

3

Marking systems, tools, and mounting material

2019 / 2020

PHOENIX CONTACT
INSPIRING INNOVATIONS

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Terminal blocks

- Terminal blocks



Interface technology and switching devices

- Electronic switching devices and motor control
- Measurement and control technology
- Monitoring
- Relay modules
- System cabling for controllers



Sensor/actuator cabling and connectors

- Sensor/actuator cabling
- Cables and lines
- Connectors



Automation

- PLCnext Technology
- Industrial cloud computing
- Software
- PLCs and I/O systems
- Functional safety
- Industrial communication technology
- HMIs and industrial PCs
- Lighting and signaling



Marking systems, tools, and mounting material

- Marking and labeling
- Tools
- Installation and mounting material



Charging technology for electromobility

- Charging technology for electromobility



Surge protection, power supplies, and device circuit breakers

- Surge protection and interference suppression filters
- Power supplies and UPS
- Protective devices



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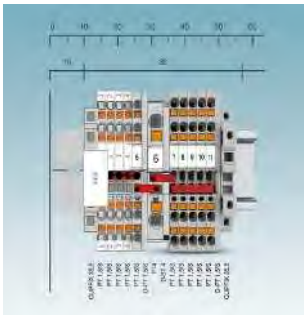
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Table of contents

Illustrated product range overview – You can access the desired product directly from here			**4**
COMPLETE line – The comprehensive solution for the control cabinet			**14**
Marking and labeling MARKING system	Planning and marking software MARKING system app Customer-specific printing service		**16**
	Marking systems		**24**
	Terminal marking		**56**
	Wire and cable marking		**176**
	Equipment marking		**252**
	Plant marking		**354**
Tools TOOL fox	Hand tools		**386**
	Automatic devices		**502**
Installation and mounting material CABINET add-on	CLIPSAFE stainless steel Ex junction boxes and empty enclosures, CLIPSAFE ABS junction boxes, component mounting, shielding, cable management		**518**
Technical information			**660**
Index			**678**

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Planning and marking software



Planning and marking software
PROJECT complete Page 18
Customer-specific printing Page 22
MARKING system app Page 20

Marking systems – MARKING system



TOPMARK NEO for industrial identification
TOPMARK NEO Page 32



TOPMARK NEO SET Page 32



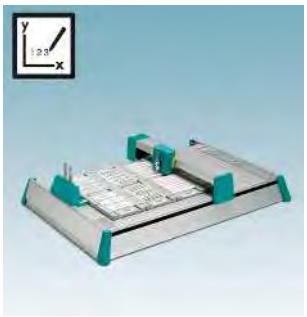
UV LED printing system for industrial identification
BLUEMARK ID and
BLUEMARK ID COLOR Page 33



Thermal transfer printer for material off the roll
THERMOMARK ROLLMASTER Page 41



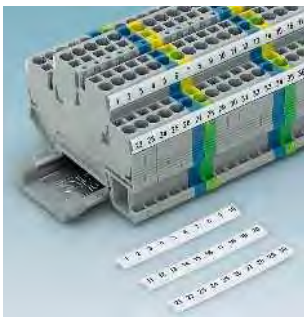
Thermal transfer printer for shrink sleeves (double-sided printing possible)
THERMOMARK W2 Page 42



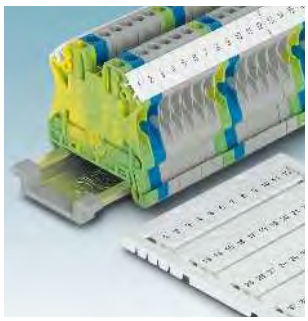
Plotter
PLOTMARK Page 50



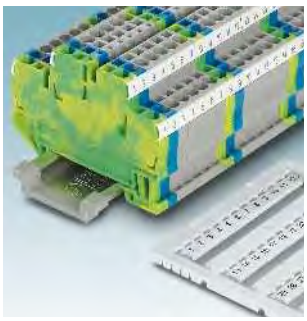
Plotter with engraving unit
ENGRAVING UNIT Page 51



Zack marker strip terminal marking for tall and flat marker groove, for printing with plotter
ZBF... Page 116



UniCard terminal marking for tall marker groove, TOPMARK ..., BLUEMARK ..., THERMOMARK PRIME and CARD ...
UCT-TM... Page 132



UniCard terminal marking for tall and flat marker groove, TOPMARK ..., BLUEMARK ..., THERMOMARK PRIME and CARD ...
UCT-TMF... Page 132



UniSheet terminal marking for universal marker groove, BLUEMARK ID ..., THERMOMARK PRIME and CARD ...
US-TM... Page 136

Wire and cable marking – MARKING system



UniCard group marking, for printing with TOPMARK ..., BLUEMARK ..., THERMOMARK PRIME and CARD ...
Page 152



UniCard marking for terminal blocks from other manufacturers, for printing with TOPMARK ..., BLUEMARK ..., THERMOMARK PRIME and CARD ... Page 156



Stainless steel or aluminum laser cable marking, for marking with TOPMARK ..., LS-WMTB... Page 189



Aluminum cable marking, for printing with BLUEMARK CLED and BLUEMARK ID ...
WMTB-AL... Page 192

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Thermal transfer printer for mobile or stationary use.
THERMOMARK PRIME Page 34



Thermal transfer printer for printing plastic material in UCT and US format
THERMOMARK CARD 2.0 Page 35



Thermal transfer printer for material off the roll
THERMOMARK ROLL 2.0 Page 40

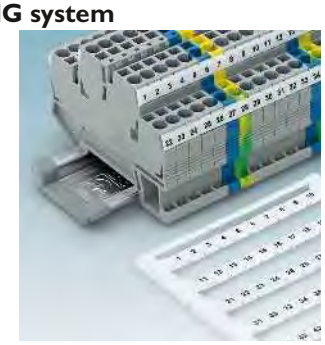


THERMOFOX Page 43

Terminal marking – MARKING system



UniCard terminal marking for tall marker groove, for printing with BLUEMARK ... and plotter
UC-TM... Page 110



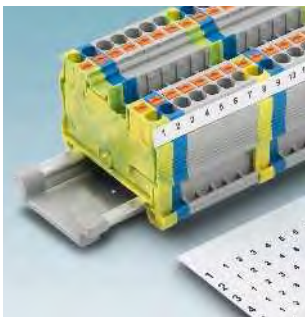
UniCard terminal marking for tall and flat marker groove, for printing with BLUEMARK ... and plotter
UC-TMF... Page 110



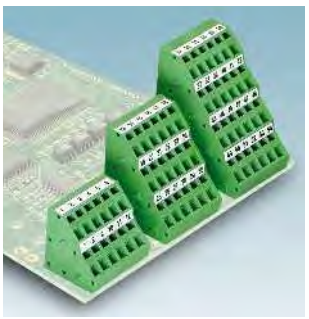
UniCard terminal marking for marking stud holder, for printing with BLUEMARK ... and plotter
UC-TMN... Page 114



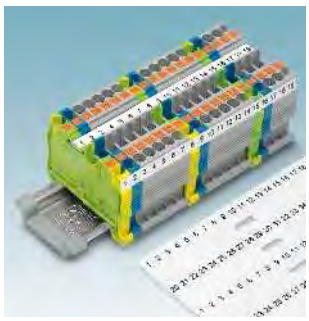
Zack marker strip terminal marking for a tall marker groove, for printing with plotter
ZB... Page 116



UniSheet terminal marking for tall and flat marker groove, BLUEMARK ID ..., THERMOMARK PRIME and CARD ...
US-TMF... Page 137



Self-adhesive marker strips for terminal blocks without marker groove, BLUEMARK ID ..., THERMOMARK PRIME and CARD ... US-TML...
US-TML... Page 138



Terminal marking material off the roll, marker strips for tall and flat marker groove, for printing with thermal transfer roll printer
TMT... Page 140



Terminal marking material off the roll, self-adhesive marker strips for terminal blocks without marker groove, for printing with thermal transfer roll printer
TML.... Page 146
SK.... Page 149



Clip-on UniCard wire marking, for printing with BLUEMARK ... and plotter
UC-WMC... Page 194



Thread-on UniCard wire marking, for printing with BLUEMARK ... and plotter
UC-WMCO... Page 198



Wire marking with ferrules that can be marked, for printing with BLUEMARK ...
AI-WM... Page 201



Thread-on UniCard wire marking, for printing with BLUEMARK ... and plotter
UC-WMCO... Page 198

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Wire and cable marking – MARKING system



Wire marking with ferrules that can be marked, for printing with BLUEMARK ...
AI-WM... Page 201



UniCard wire marking for marking collars, for printing with BLUEMARK ... and plotter
UC-WMT... Page 202



UniCard cable marking for mounting with cable ties, for printing with BLUEMARK ... and plotter
UC-WMTB... Page 204
UC-WMTBA... Page 205



UniCard wire marking for marking with TOPMARK ..., BLUEMARK ..., THERMOMARK PRIME and CARD ...
UCT-WMT... Page 206



UniSheet wire marking for mounting with cable ties, for printing with BLUEMARK ..., THERMOMARK PRIME and CARD ...
US-WMT... Page 212



UniSheet wire marking for mounting with cable ties, for printing with BLUEMARK ..., THERMOMARK PRIME and CARD ...
US-WMTB... Page 214



Wire marking material off the roll with transparent protective film, for printing with thermal transfer roll printer
WML... Page 216
WML-HF... Page 218



Wire marking material off the roll, self-adhesive wire marking as a flag, for printing with thermal transfer roll printer
WML-FLAG... Page 219



Material off the roll, halogen-free wire and cable marking for mounting with cable ties, for printing with thermal transfer roll printer
WMTB-HF... Page 232



Cable marking material off the roll, insert strips for plastic cable markers for insert labels
KMK... Page 234



Cable markers for marking cables and conductors with larger cross sections
SD-WMTBS... Page 245



Stainless steel cable marking
SD-WMTBS...VA Page 246



Aluminum equipment marking for snapping into marker carriers, for printing with BLUEMARK ID... and BLUEMARK CLED
EMP-AL... Page 297



Stick-on UniCard equipment marking with high adhesive strength, for printing with BLUEMARK
UC-EMLP... Page 298



Stick-on UniCard equipment marking, for printing with BLUEMARK ...
UC-EMLP...EX Page 299



UniCard equipment marking for screwing or riveting, for printing with BLUEMARK ...
UC-EMSP... Page 300

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Clip-on UniCard wire marking, for printing with TOPMARK ..., BLUEMARK ..., THERMOMARK PRIME and CARD ...
UCT-WMS... Page 208



Clip-on UniCard wire marking, for printing with TOPMARK ..., BLUEMARK ..., THERMOMARK PRIME and CARD ...
UCT-WMCO... Page 209



UniCard wire marking for mounting with cable ties, for printing with TOPMARK ..., BLUEMARK ..., THERMOMARK PRIME and CARD ....
UCT-WMTBA... Page 210



UniCard wire marking for mounting with cable ties, for printing with TOPMARK ..., BLUEMARK ..., THERMOMARK PRIME and CARD ....
UCT-WMTB... Page 210



Wire marking material off the roll, shrink sleeves in conductor and continuous format, for printing with thermal transfer roll printer
WMS... Page 224
WMS-2 HF... Page 220



Wire marking material off the roll, insert strips for marking collars, for printing with thermal transfer roll printer
EMT... Page 229



Wire marking material off the roll, thread-on wire marking, for printing with thermal transfer roll printer
WMT... Page 230



Cable marking material off the roll, for mounting with cable ties, for printing with thermal transfer roll printer
WMTB... Page 231

Equipment marking – MARKING system



Marking collars for insert labels
PATG... Page 248
PATO... Page 249
PATG-HF... Page 250



Stainless steel or aluminum laser equipment marking for marking with TOPMARK...
LS-EMSP... Page 282
LS-EMLP... Page 287
LS-EMP... Page 288



Stick-on aluminum equipment marking, for printing with BLUEMARK ID ... and BLUEMARK CLED
EMLP-AL Page 295



Aluminum equipment marking for screwing or riveting, for printing with BLUEMARK ID ... and BLUEMARK CLED
EMSP-AL... Page 296



Marker carriers for UC-EMP .../US-EMP ... snap-in markers, for printing with BLUEMARK..., THERMOMARK PRIME and CARD...
Page 348



UniCard equipment marking for snapping into label holders, for printing with BLUEMARK ...
UC-EMP... Page 301



Snap-in UniCard equipment marking, for printing with BLUEMARK ...
UC-EM... Page 303



Snap-in UniCard equipment marking for various manufacturers, TOPMARK ..., BLUEMARK ..., THERMOMARK PRIME and CARD ...
UCT-EM... Page 306

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Equipment marking – MARKING system



Stick-on UniSheet equipment marking, for printing with BLUEMARK ID ..., THERMOMARK PRIME and CARD ...
US-EMLP... Page 314



UniSheet equipment marking for snapping into marker carriers, for printing with BLUEMARK ID ..., THERMOMARK PRIME and CARD ...
US-EMP... Page 317



Stick-on equipment marking and additional screws or rivets, for printing with BLUEMARK ID ..., THERMOMARK PRIME and CARD ...
US-EMLSP... Page 320



Stick-on UniSheet equipment marking, for printing with BLUEMARK ID ..., THERMOMARK PRIME and CARD ...
US-EML... Page 322
US-EMLF... Page 323



Stick-on equipment marking material off the roll, detectable, for printing with thermal transfer roll printer
EML...-D Page 338



Equipment marking material off the roll, stick-on, for rough and textured surfaces, for printing with thermal transfer roll printer
EML-HA... Page 334



Equipment marking material off the roll, stick-on, for high-temperature applications, for printing with thermal transfer roll printer
EML-HT... Page 335



Equipment marking material off the roll, stick-on, for ESD applications, for printing with thermal transfer roll printer
EML-ESD... Page 336



Sheet equipment marking, can be engraved or marked, stick-on, for marking with plotter
GPE... Page 346



Marker carrier for buttons and control devices
CARRIER-EMP 22... Page 348
CARRIER-EMLP 22... Page 349



Screw-on and adhesive marker carriers for snapping in labels.
CARRIER-EMP... Page 350
CARRIER/L-EMP... Page 350

Plant marking –



Marking labels with integrated RFID transponder, for marking with BLUEMARK ...
PMLP-RFID... Page 358
PMP-RFID.... Page 359



Plant marking material off the roll, stick-on preprinted mandatory signs, for printing with thermal transfer roll printer
PML-M100... Page 368



UniSheet plant marking, stick-on emergency stop button marking, for printing with BLUEMARK ID ..., THERMOMARK PRIME and CARD ...
US-PML-ESS... Page 369



UniSheet plant marking for marking fire alarms, stick-on, for printing with BLUEMARK ID ..., THERMOMARK PRIME and CARD ...
US-PML-F... Page 370



Plant marking material off the roll, stick-on preprinted pipeline markers, for printing with thermal transfer roll printer
PML-T101... Page 378

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Stick-on equipment marking material off the roll, for printing with thermal transfer roll printer
EML... Page 324



Stick-on equipment marking material off the roll, for printing with thermal transfer roll printer
EMLP... Page 328



Equipment marking material off the roll, stick-on, for printing with thermal transfer roll printer
EMLP 24... Page 331
EMLP 30... Page 331



PVC or textile equipment marking material off the roll, stick-on, for printing with thermal transfer roll printer
EMLF... Page 332
EMLC.... Page 333



Equipment marking material off the roll, stick-on, removable, for printing with thermal transfer roll printer
EML-RM... Page 337



Equipment marking material off the roll, stick-on, as tamper protection, for printing with thermal transfer roll printer
EMLS... Page 339

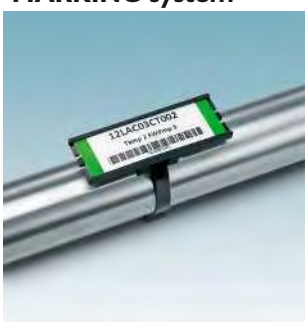


Equipment marking material off the roll, stick-on, as tamper protection, for printing with thermal transfer roll printer
EML-RS... Page 340



Snap-in equipment marking material off the roll for Axioline F series or controllers from other manufacturers, for printing with thermal transfer roll printer
EMT...R Page 342

MARKING system



UniCard plant marking for sticking on or inserting into label holders, for printing with BLUEMARK ...
UC-PMLP... Page 360
UC-PMP... Page 361



Marker carrier for UC-PMP... and PMP-RFID... marking labels Page 358
CARRIER(/L)-PMP-... Page 362



Plant marking material off the roll, stick-on preprinted warning labels, for printing with thermal transfer roll printer
PML-W... Page 366
PML-W301... Page 377



Plant marking material off the roll, stick-on preprinted prohibition signs, for printing with thermal transfer roll printer
PML-P100... Page 367



Plant marking material off the roll, stick-on preprinted pipeline markers, for printing with thermal transfer roll printer
PML-GHS100... Page 374



Plant marking material off the roll, magnetic label, for printing with thermal transfer roll printer
PMM... Page 385

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Hand tools – TOOL fox



Cutting tools
CUTFOX... Page 390



Cable cutter with ratchet function for minimum effort
CUTFOX... Page 390



Combination pliers
UNIFOX-CE VDE... Page 395
UNIFOX-PE VDE Page 395



Cable tie tools for plastic and stainless steel cable ties
UNIFOX-CT... Page 396



Stripping tools, angled
WIREFOX... Page 404



Stripping tools
WIREFOX... Page 404



Stripping tool
WIREFOX-D... Page 412



Stripping tool for coaxial cables
WIREFOX-D... Page 412



Crimping pliers for ferrules
CRIMPFOX... Page 419



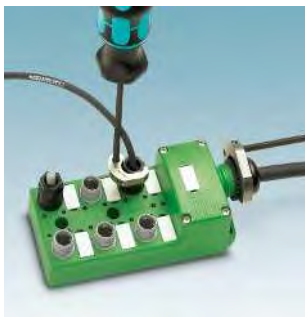
Crimping pliers for various connectors and contacts
CRIMPFOX... Page 422



Crimping pliers for solar connectors
CRIMPFOX-SR... Page 435



Crimping pliers for turned contacts
CRIMPFOX-TC MP Page 432



Preset torque screwdriver
TSD... Page 460



Universal control cabinet keys
SF-CCK... Page 461



Voltage and continuity tester
DUSPOL... Page 463



Digital multimeters and current probes
TESTFOX... Page 463

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Cable duct cutter
CUTFOX-CD Page 399



Cable duct cutter
PPS CD M Page 399



DIN rail cutter
PPS... Page 400



Electronic, cutting, gripping, and bending pliers
MICROFOX... Page 402



Stripping tool for solar cables
WIREFOX-D SR... Page 413



Portable crimping device, for stripping and crimping in just one step
CRIMPHANDY Page 440



Multifunctional crimping pliers for cutting, stripping, twisting, and crimping ferrules.
CRIMPFOX 4 IN 1... Page 415



Crimping pliers with rotating die for ferrules
CRIMPFOX DUO 10 Page 418



Basic pliers for accommodating various crimp inserts
CRIMPFOX-M... Page 435



Screwdriver tools and bits
SF... Page 442



Torque screwdrivers
TSD-M... Page 453



Cordless screwdrivers
SF-ASD Page 454



Tool sets
TOOL... Page 467



Pliers, laser marked according to customer specifications
CRIMPFOX...CUS Page 473
WIREFOX...CUS Page 475



Tool sets equipped according to customer requirements Page 476



Tool bags with customized marking
Page 478

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Automatic devices – TOOL fox



Cable lugs, slip-on sleeves, and spade connectors
C-... Page 490



Ferrules
AI... Page 481



Automatic cutting device for conductors and cables
CUTFOX 10... Page 393



Stripping machine
WF 1000... Page 407

Mounting material – CABINET add-on



Stripping and crimping devices for ferrules (bulk goods)
CF 1000... Page 439



CLIPSAFE junction boxes and empty enclosures Page 624
CLIPSAFE ABS terminal boxes Page 646



CLIPSAFE polyester..... Page 636



Ex cable glands Page 650



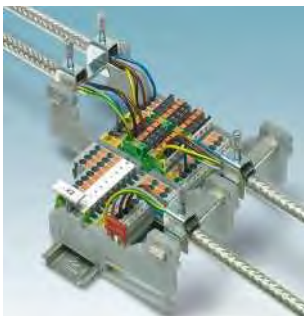
European and junction box connectors
EC... Page 556
JBC... Page 560



Sockets
SD-D... Page 566



Shield connection clamps
SK... Page 568



Shield clamp accessories
AB-SK... Page 570
AB/SS... Page 552



Protective hose accessories
WP-G HF... Page 586



Spiral hoses
WG-S HF... Page 601



Cable marking material off the roll, insert strips for plastic cable markers for insert labels
KMK... Page 646



Cable ties
WT... Page 614

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Pneumatic crimping pliers for ferrules
ZAP-.... Page 508



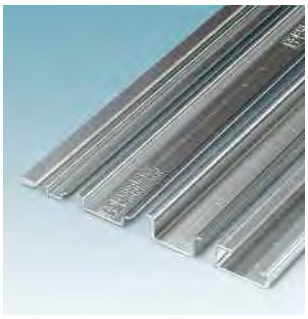
Portable crimping machine for ferrules, cable lugs, and connectors
CF 500... Page 438



CF CRIMPHANDY Page 440



Stripping and crimping devices for ferrules
CF 3000... Page 438



DIN rails
NS... Page 522



End bracket
CLIPFIX... Page 538



Cover profiles
EA... Page 550
AP.. Page 546
A/U... Page 546



Power, branch, and L/N/PE connection terminal blocks
AK.../AKG... Page 554
AZK 35... Page 553



CGSA.... Page 578



Cable ducts and accessories
CD... Page 579



Cable clamps and accessories
WCC... Page 583



Protective hoses
WP... Page 584

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Easy planning, intuitive installation

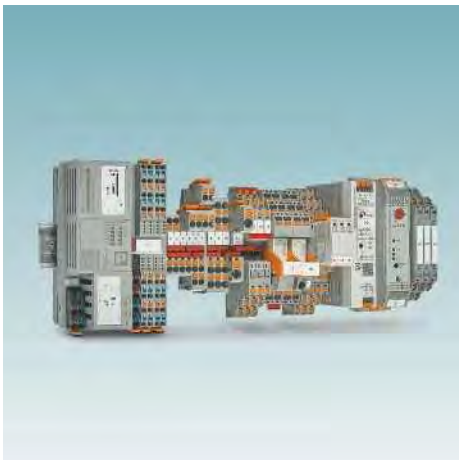


COMPLETE line is a system comprising technologically leading and coordinated hardware and software products, consulting services, and system solutions that help you optimize your processes in control cabinet manufacturing. Engineering, purchasing, installation, and operation become significantly easier for you.

Your advantages at a glance:

- Intuitive handling, thanks to the uniform design, look, and function
- Time savings across the entire engineering process, thanks to consistent software support
- Reduced logistics costs with standardized accessories and reduced variety of parts
- Optimized processes in control cabinet manufacturing, thanks to custom services and innovative manufacturing solutions

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Comprehensive product portfolio

With COMPLETE line, we offer a complete product portfolio of technologically leading products. These include:

– Controllers and I/O modules
– Power supplies and device circuit breakers
– Terminal blocks and distribution blocks
– Relay modules and motor starters
– Signal conditioners
– Safety technology
– Surge protection
– Heavy-duty connectors



Intuitive handling

Thanks to the simple, intuitive handling of the coordinated hardware components you will save time during installation, startup, and maintenance. Push-in connection technology enables you to wire applications quickly – without using tools. The broad, technologically leading product portfolio will always provide you with the right product for standard or special applications.



Time savings across the entire engineering process

The PROJECT complete planning and marking software supports the entire control cabinet manufacturing process. The program features an intuitive user interface and enables the individual planning, automatic checking, and direct ordering of terminal strips.



Reduced logistics costs

Reduced variety of parts, thanks to standardized marking, bridging, and testing accessories. The COMPLETE line system coordinates products, design, and accessories in a way that you benefit from maximum reusability and thus reduce your logistics costs.



Optimized processes in control cabinet manufacturing

From engineering through to manufacturing, COMPLETE line supports you in making your control cabinet production as efficient as possible. Thus creating a customized concept for optimizing your processes in control cabinet manufacturing.
Our terminal strip production helps you to flexibly manage peak order times or to supply your control cabinet production with fully assembled DIN rails just-in-time.

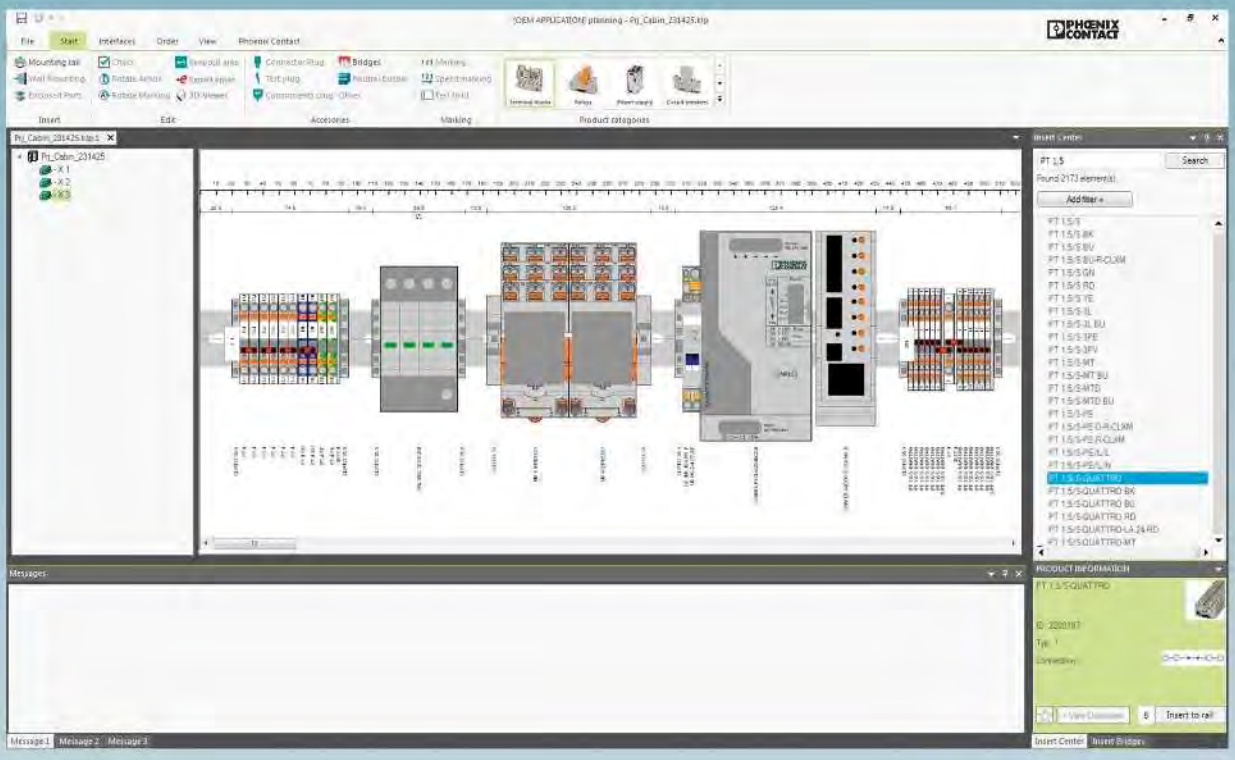


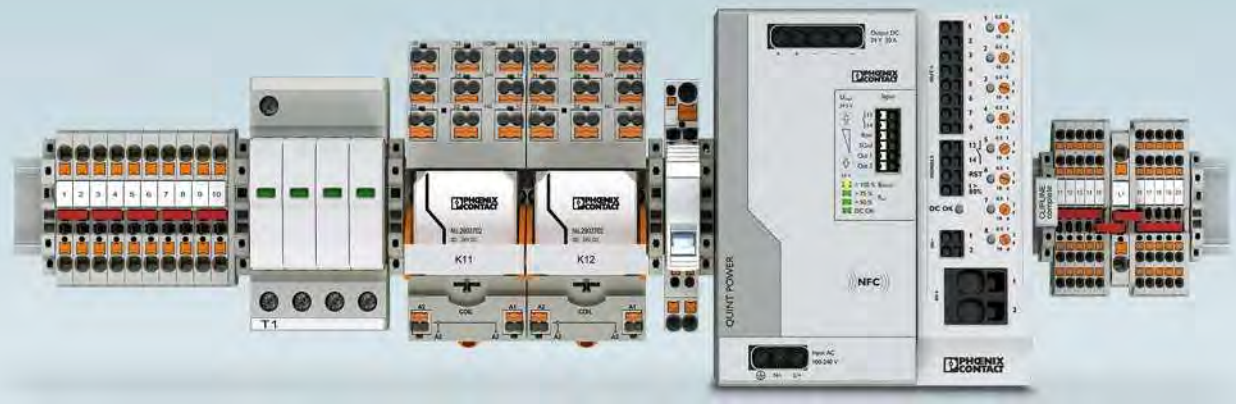
Additional information:

Find our more about COMPLETE line and your comprehensive solutions for the control cabinet. Visit our website:

phoenixcontact.com/completeline

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Planning and marking software, MARKING system app, and customer-specific printing service

The PROJECT complete software is the most innovative solution to date, allowing you to plan your terminal strip with ease. Direct data exchange with all conventional CAE software solutions, along with the creation of all project documentation, make this software unique.

The high-performance marking tool optimally supports all output devices and marking materials. Design your own print files quickly and easily with a large selection of different templates, symbols, and formats.

Which marking suits your requirements? Find out with the MARKING system app.

Quickly and easily find the right solution with either the structured search assistant or the integrated bar code scanner. More than 3000 marking solutions, 11 different printing systems, and three marking technologies. You are certain to find the right marking option for your application.

With the Marking Editor, you can also create the required markings directly in the application environment.

All marking materials in the portfolio can also be ordered as customer-specific printed versions. Within no time at all, you will receive high-quality marking solutions, printed according to your individual requirements.

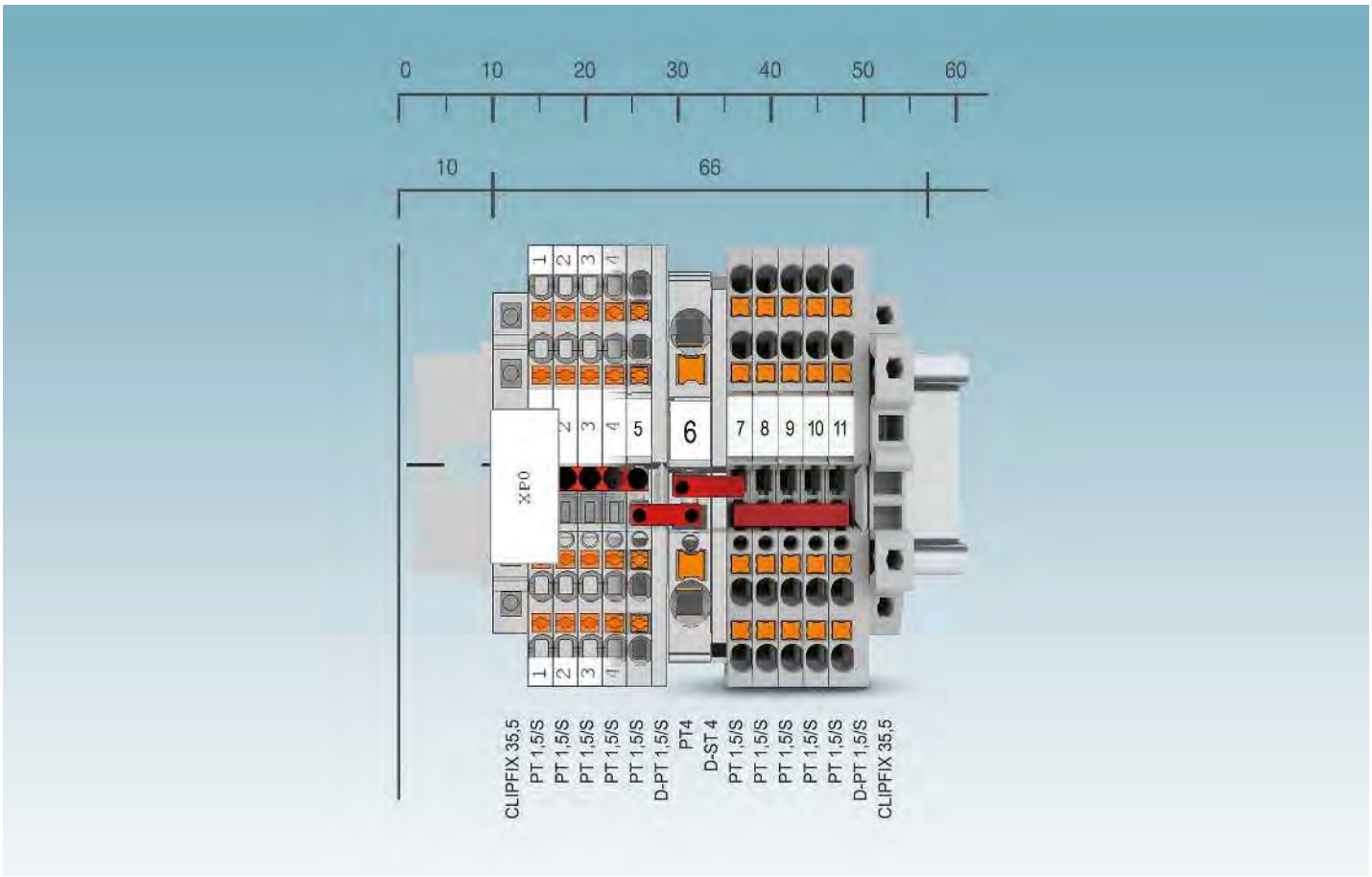
PROJECT complete planning and marking software 18

MARKING system app 20

Customer-specific printing service 22

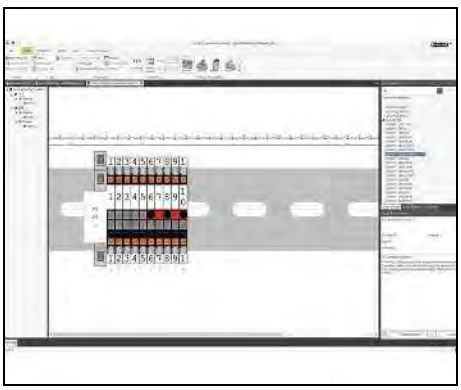
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Planning and marking software, MARKING system app, and customer-specific printing service





The PROJECT complete planning and marking software supports the entire control cabinet manufacturing process. The program features an intuitive user interface and enables the individual planning, automatic checking, and direct ordering of terminal strips, as well as the easy creation of corresponding markings.

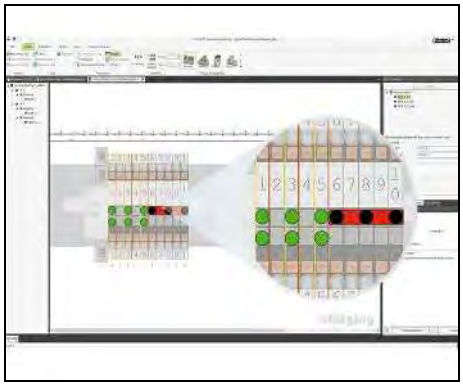


The intuitive functions make PROJECT complete very easy to use. Customize the menu bars according to your individual needs.

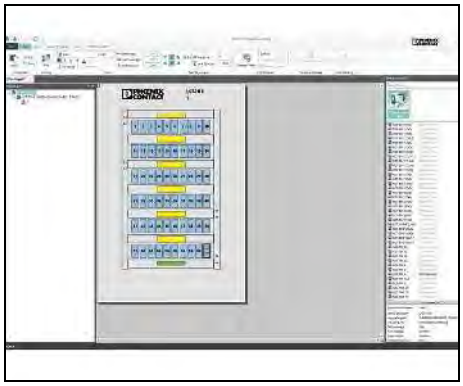


Import projects directly from electrical plans. PROJECT complete includes interfaces to all conventional CAE programs.

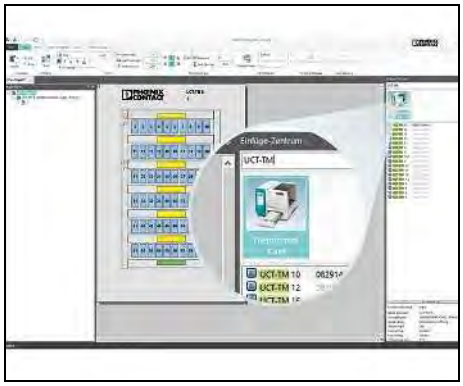
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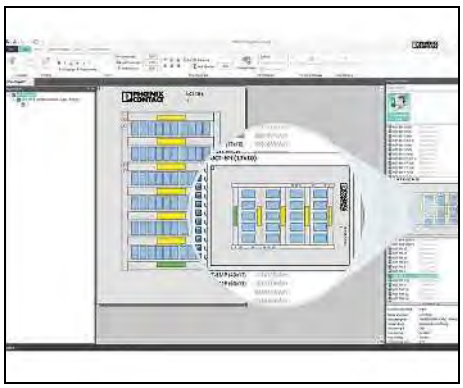
PROJECT complete automates many steps and reduces the effort involved. Manually bridging or planning individual markings is no longer necessary.



Create the right markings for your projects with PROJECT complete. The software controls all marking systems from Phoenix Contact.



The intelligent search function in PROJECT complete selects the appropriate material using filters, reliably directing you to the perfect solution for your application.



In the template preview, you can see the breakdown of a material immediately and thus find the right product for your application faster.

Find out more with the web code

Detailed information on these products can be found on our website.
Simply enter # and numbers in the search field.



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Planning and marking software, MARKING system app, and customer-specific printing service



MARKING system app

The MARKING system app spearheads the digital transformation in industrial identification. It creates real added value for the user. The app features a unique, mobile interface for the smart, networked selection and creation of marking solutions in Industrie 4.0. Conveniently find the right solution using either the structured search assistant or integrated bar code scanner. Among the 3000 marking solutions and eleven different printing systems (subdivided into three marking technologies), almost all users will find the right marking solution for their application. The app is clearly structured and intuitive to use, and also includes a search assistant for marking materials. In addition, the integrated MARKING Application Guide enables the specific selection of marking materials based on the application and environmental requirements. Through specific querying of the desired parameters and control via a user-friendly menu, the Application Guide quickly and intuitively directs you to the perfect marking solution for your application.

The app can also be used offline on mobile end devices. It is therefore available at all times, anywhere in the world. Thanks to the intuitive menu navigation, the app is easy to use and does not require specialist knowledge. The MARKING system app is available for iOS and Android operating systems. The app can be downloaded free of charge from the appropriate app store.

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Marking Editor

Thanks to the Marking Editor, you can create the required markings directly in the application environment via tablet PC or smartphone.



Bar code scanner

With the bar code scanner, you can quickly and easily access the technical data for marking material. You can also perform marking directly via the Marking Editor.



Search assistant

With the search assistant, you can carry out a structured, targeted search for suitable marking materials, even without knowledge of this field.

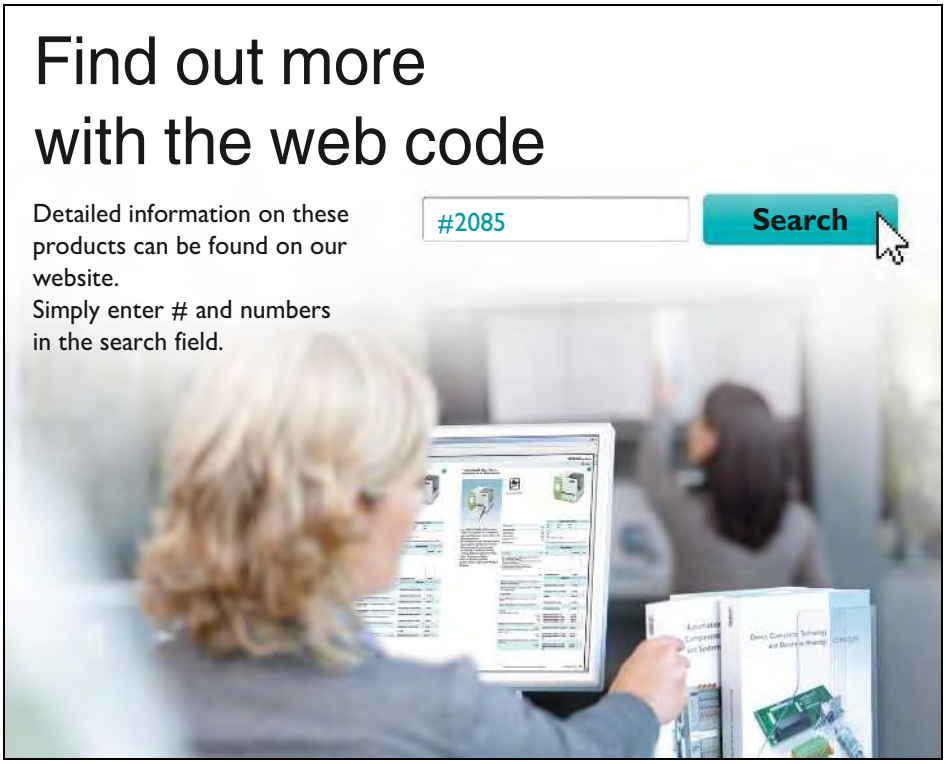


Application Guide

The Application Guide queries the environmental conditions that the marking must be able to withstand. Based on this, it directs you to the appropriate material for your marking requirements

Find out more with the web code

Detailed information on these products can be found on our website.
Simply enter # and numbers in the search field.



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Easy ordering via PROJECT complete

Create customer-specific markings quickly and easily with PROJECT complete and then order them online.



Color printed marking solutions

You can use marking materials in UniCard and UniSheet format as well as metal labels for color printing.



We mark marking materials according to your requirements

All materials which can be marked according to customer requirements are indicated with this symbol. The ordering process is described on the next page.

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Ordering special marking, step 1

All marking materials are available on our website. Order your custom marking. Search for the item you want on our website. Choose materials that end with ... CUS.

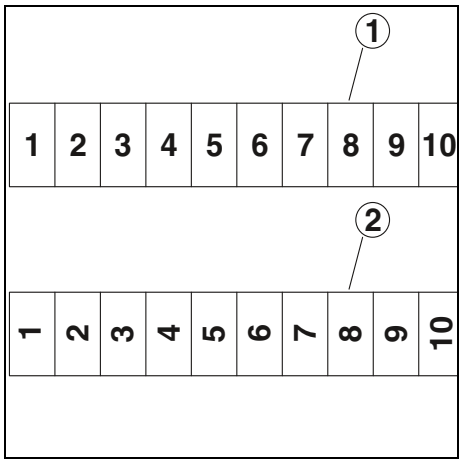


Ordering special marking, step 2

Configuration of the selected CUS item: under the **Configuration** category, you can enter the required marking data in the free text field.

Tasks required:

– Marking text
– Font size
– Read direction "horizontal" (1) or "vertical" (2)
– Normal or bold print
– Please send special characters, symbols, and logos as an image file.



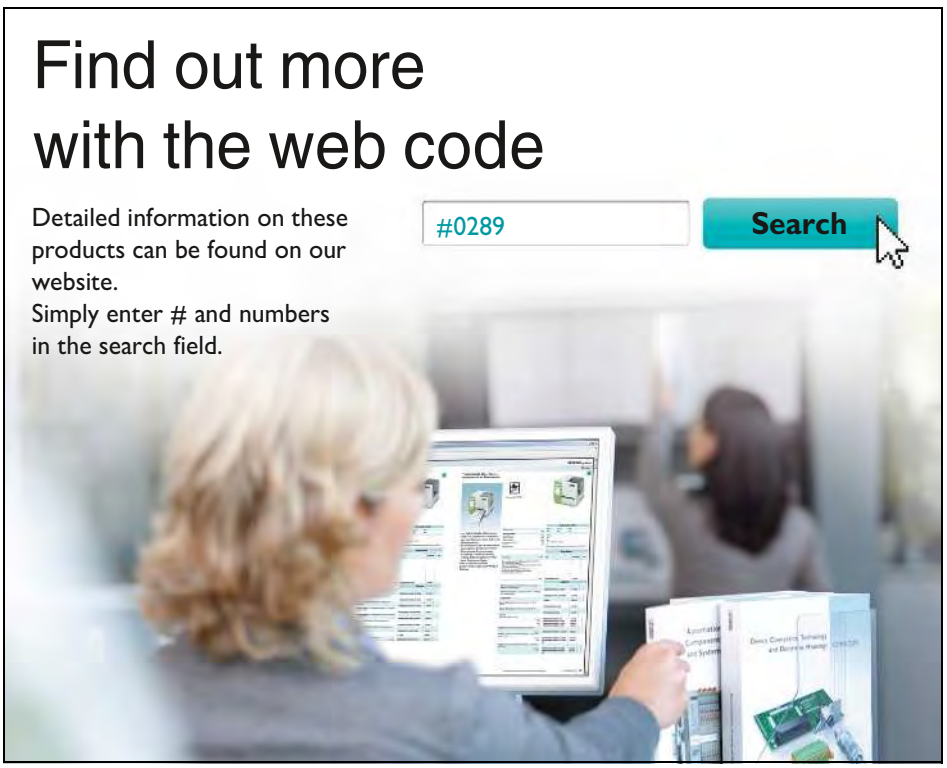
Ordering special marking, step 3

– Zack marker strip (ZB...): 1 strip
– Card material (US-...): 1 card
– Plastic sheet (e.g., UC(T)-...): 1 sheet
– Sheet material (e.g., BMKL...): 1 sheet
– Rolls (e.g., EML (...x..)R): 1 strip (row)
– Metal labels for the BLUEMARK ID COLOR (e.g., EMP-AL...): 1 label



Individually marked according to customer requirements

You will receive your marking materials, custom-marked according to the marking requirements you have provided, as quickly as possible.



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Marking systems – MARKING system

The right printing system for every application

The TOPMARK NEO laser marking system marks materials for use in industrial applications permanently, making them highly resistant. Easy handling is possible, without special knowledge of laser technology. The BLUEMARK ID high-speed printers with innovative UV LED technology quickly and easily print materials in UniCard and US format as well as aluminum markers – in color as well.

The printers in the THERMOMARK series are renowned for their proven maintenance-free thermal transfer printing method and maximum user-friendliness.

The THERMOMARK PRIME is equipped with integrated marking software, an independent energy supply, and a user interface with intuitive operation. As a result, the card printer is ideally designed for mobile use.

The easy-to-operate THERMOMARK CARD 2.0 is installed in no time at all. It prints plastic labels in UniCard and UniSheet format, quickly and with high-quality results.

Marking labels and shrink sleeves in roll and continuous formats is straightforward and reliable with the THERMOMARK ROLL 2.0.

The THERMOMARK ROLLMASTER 300 and 600 robust industrial printers are both ideal for marking large print volumes.

With its 600 dpi print resolution, the THERMOMARK ROLLMASTER 600 is particularly suitable for printing high-resolution and small bar codes or 2D bar codes, small characters, symbols or graphics.

The THERMOMARK W2 enables double-sided marking of shrink sleeves, which significantly improve the legibility of the wire markings.

The robust THERMOFOX handheld printer is ideally suited to fast marking right on site. It processes continuous media for terminal marking, wire and cable marking, equipment marking, and plant marking

Product range overview

Which printer prints which marking

Overview of marking material and printers	**28**
Marking systems	**26**
TOPMARK NEO	**32**
BLUEMARK ID	**33**
THERMOMARK PRIME	**34**
THERMOMARK CARD 2.0	**35**
THERMOMARK ROLL 2.0	**40**
THERMOMARK ROLLMASTER	**41**
THERMOMARK W2	**42**
THERMOFOX	**43**
PLOTMARK	**50**
ENGRAVING UNIT	**51**

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The BLUEMARK ID printing systems use the latest UV LED technology for marking, including CMYK multicolor printing. This makes the materials instantly wipe-resistant and ready for immediate use. The printing systems do not need time to warm up, they are environmentally friendly, and also very quiet.



The TOPMARK NEO marking system enables you to flexibly implement the requirements of challenging marking applications. With modern laser technology, you can create permanent, durable markings with ease. Preset parameters mean you don't need special knowledge of laser technology.



The THERMOMARK PRIME is ideal for mobile use with its integrated marking software, independent energy supply, and intuitive user interface. The automatic ink ribbon, magazine, and material detection also make operation much easier.

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The THERMOMARK CARD 2.0 thermal transfer printer prints marking materials in card format. It offers you an easy way of producing terminal, wire, cable, and equipment markings of impressively high quality.



The THERMOMARK ROLL 2.0 thermal transfer printer processes material off the roll and continuous media. You can easily create high-quality printed labels, markers, and shrink sleeves.



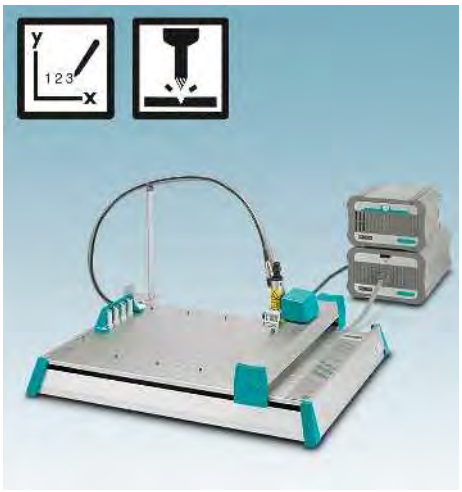
The THERMOMARK ROLLMASTER is particularly suitable for marking large print volumes, either with 300 or 600 dpi for high print resolutions for bar codes or 2D printers.



The THERMOMARK W2 prints and perforates WMS continuous shrink sleeves on both sides. This double-sided printing ensures optimum legibility on conductors and cables. Easy loading of the sleeve is ensured, thanks to the special design of the guide elements.



The THERMOFOX handheld printer is ideally suited to fast marking right on site. The thermal transfer printer is robust, easy to use, and offers versatile functions. It processes continuous media for terminal, wire, cable, equipment, and plant marking.



The PLOTMARK also marks sheet material, in addition to strips and UniCard materials. The integrated pen station prevents the plotter pens from drying out. The PLOTMARK can be converted into an engraving unit quickly and easily by swapping the plotter head for the engraving device.

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Overview
Marking system –
Marking material –
Matrix









Marking system	TOPMARK NEO	BLUEMARK ID BLUEMARK ID COLOR	THERMOMARK CARD 2.0 THERMOMARK PRIME	THERMOMARK ROLL 2.0
Terminal marking				
UC...-TM...		Page 110		
UCT...-TM...	Page 132	Page 132	Page 132	
UM...-TM...		Page 168	Page 168	
US-TM...		Page 136	Page 136	
US-TMF...		Page 137	Page 137	
US-TML...		Page 138	Page 138	
ZB...				
ZBF...				
TMT...				Page 140
TML...				Page 144
SK...				Page 148
MM-TML...				
MM-TMT...				
Wire/cable marking				
LS-WMTB...	Page 189			
WMTB-AL...		Page 192		
AI-WM...		Page 201		
UC-WMT...		Page 202		
UC-WMTB(A)...		Page 204		
UC-WMC(O)...		Page 194		
UCT-WMT...	Page 206	Page 206	Page 206	
UCT-WMTB(A)...	Page 210	Page 210	Page 210	
UCT-WMCO...	Page 209	Page 209	Page 209	
UCT-WMS...	Page 208	Page 208	Page 208	
US-WMT...		Page 212	Page 212	
US-WMTB...		Page 214	Page 214	
US-WML...		Page 215	Page 215	
WML-RFID/HF...				
WML.../WML HF... /WML-FLAG...				Page 217
WMS... (HF) (pre-assembled)				Page 224
WMS... (HF) (continuous shrink sleeve)				Page 226
WMS... OT-HF (continuous marking sleeve)				Page 228
EMT...				Page 229
WMT...				Page 230
WMTB...(HF)				Page 231
MM-WMS... + MM-WMS-2....				
MM-WML...				
MM-EMT...				

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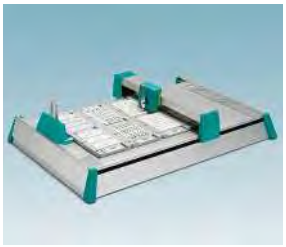













THERMOMARK ROLLMASTER 300/600	THERMOMARK W2	THERMOFOX	PLOTMARK	ENGRAVING UNIT
			Page 110	
			Page 116	
			Page 126	
Page 140				
Page 144				
Page 148				
		Page 49		
		Page 49		
			Page 202	
			Page 204	
			Page 194	
Page 217				
Page 224				
Page 226	Page 226			
Page 228	Page 228			
Page 229				
Page 230				
Page 231				
		Page 44		
		Page 45		
		Page 46		

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Overview

Marking system – Marking material – Matrix









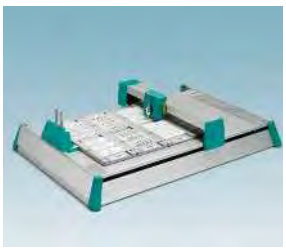
Marking system	TOPMARK NEO	BLUEMARK ID BLUEMARK ID COLOR	THERMOMARK CARD 2.0 THERMOMARK PRIME	THERMOMARK ROLL 2.0
Equipment marking				
LS-EM...	Page 282			
EM...AL...		Page 296		
UC-EM...		Page 303		
UC-EMP...		Page 301		
UC-EMLP...(EX)		Page 298		
UC-EMSP...		Page 300		
UCT-EM(P)...	Page 306	Page 306	Page 306	
US-EMP...		Page 317	Page 317	
US-EMLP...(HA)		Page 314	Page 314	
US-EMLSP...		Page 320	Page 320	
US-EMSP...		Page 319	Page 319	
US-EML...		Page 322	Page 322	
US-EMLF...		Page 323	Page 323	
EMT...				Page 342
EML-D				Page 324
EMLP...				Page 328
EMLF...				Page 332
EMLC...				Page 333
EMLS...				Page 339
EML-HA...				Page 334
EML-HT...				Page 335
EML-ESD...				Page 336
EML-RM...				Page 337
GPE...				
BMK...				
BMKL...				
MM-EMLC.../MM-EML.../				
MM-EMLF...				
Plant marking				
UC-PM(L)P...		Page 360		
PM(L)P-RFID/...		Page 358		
US-PML-W...		Page 366	Page 366	
US-PML-P...		Page 367	Page 367	
US-PML-M...			Page 368	
US-PML-GHS...		Page 371	Page 371	
US-EMLF...		Page 323	Page 323	
PML-W....				Page 375
PML-P...				Page 372
PML-M...				Page 373
PML-GHS...				Page 374
PML-T...				Page 378
PMM...				Page 385
MM-EML.../MM-EMLF...				

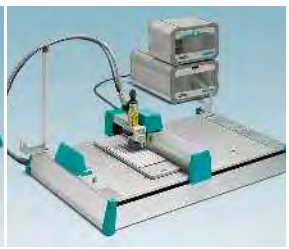
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THERMOMARK ROLLMASTER 300/600	THERMOMARK W2	THERMOFOX	PLOTMARK	ENGRAVING UNIT
			Page 303	
			Page 301	
			Page 298	
			Page 300	
Page 342				
Page 324				
Page 328				Page 328
Page 332				
Page 333				
Page 339				
Page 334				
Page 335				
Page 336				
Page 337				
			Page 346	Page 346
			Page 345	
			Page 344	
		Page 47		
		Page 48		
Page 375				
Page 372				
Page 373				
Page 374				
Page 378				
Page 385				
		Page 47		

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TOPMARK NEO, desktop laser marker including extraction unit

new





Direct laser marking



Integration into the PROJECT complete planning and marking software makes the TOPMARK NEO the fastest desktop laser marker in its class – and the easiest to use. You can now mark all materials, without special knowledge of laser technology.

– Wide range of materials comprising stainless steel, aluminum, ABS, polyacrylics, and polycarbonate
– Preset optimized laser parameters are available for all material types
– Thanks to automatic material detection of UCT cards and LS materials, marking is fast and effective
– The laser marker can also be used via the multicolor touch display without marking software
– Permanent markings are created by engraving, annealing or carbonizing the material

Technical data

Dimensions		Width	Length	Height
	[mm]	**580**	**485**	**615**

General data		
Temperature range	[°C]	5 ... 35
Marking method		Direct laser marking
Laser system		Ytterbium fiber laser, pulsed, 1064 nm
Laser class		Laser class 1 according to EN 60825-1 classification
Interfaces		Ethernet 10/100 Mbps, dynamic IP/RS-232/USB host for USB stick
Power supply	[V]	100 ... 240
Weight	[kg]	47
Operating system		-
Power consumption	[W]	250
CW laser power (continuous wave)	[W]	20

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Laser marker, incl. operating instructions, LAN cable, type E and F power cable, and LS adapter plate		**TOPMARK NEO**	1012015	1
Laser marker, incl. operating instructions, LAN cable, type E and F power cable, LS adapter plate, and extraction unit		**TOPMARK NEO SET**	1012018	1

Accessories

Extraction unit, 100 V ... 240 V, incl. filter equipment, suction tube, crevice nozzle set, type E and F power cable, D-SUB cable, and operating instructions	**TMN-EXTRACTION**	1012102	1
Prefilter, for replacement	**TMN-PRE FILTER**	1012100	1
HEPA filter, for replacement	**TOPMARK LASER HEPA FILTER**	0803305	1
Activated carbon filter, for replacement	**TOPMARK LASER CARBON FILTER**	0803306	1
Suction tube, for replacement, length: 2.5 m	**TMN-EXTRACTION HOSE**	1012101	1
Cleaning nozzle, for plugging onto the suction tube of the extraction unit.	**TOPMARK LASER CLEANING NOZZLE**	0803310	1
Adapter plate, for LS materials, for TOPMARK NEO	**TMN-ADAPTER PLATE-LS**	1012104	1
Carrying handles for carrying the laser marker more easily	**TMN-HANDLE SET**	1012105	1
Bypass plug, D-SUB plug, 25-pos. for simulating an extraction unit	**TMN-BP**	1012081	1



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BLUEMARK ID printing systems

new



UV LED technology



The BLUEMARK ID printing systems are the all-in-one solution for industrial identification. In addition to the BLUEMARK ID for monochrome printing, the BLUEMARK ID COLOR system also prints CMYK multicolor markings. Both printing systems are characterized by:

– Intuitive operation, the integrated marking software supports the entire printing process via an intuitive 7" graphical user interface
– Maximum speed, automatic material feed-in and a de-stacking function enable over 15,000 markers to be processed per hour. The use of several magazines speeds up large-batch processing
– Flexible material loading, additional front feed-in is integrated along with magazine insertion. This enables the flexible printing of individual UC/UCT sheets, metal labels, and US cards
– Material selection, over 1300 materials for industrial identification are available for both printing systems

Technical data

		Width	Length	Height
Dimensions	[mm]	**523**	**675**	**340**

General data		
Temperature range	[°C]	5 ... 35
Marking method		-
Volume		23 ml
Pressure capacity		-
Interfaces		10/100 Mbps Ethernet / 1x USB 2.0 Device, 1x USB 2.0 Host
Power supply	[V]	100 ... 240
Weight	[kg]	21
Operating system		MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit)
Power consumption	[W]	-
CW laser power (continuous wave)	[W]	-

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Color printer with solvent-free UV LED technology, with integrated "MARKING system app" marking software on board, 7" color touch display, incl. power cable, USB cable, for printing US cards, plastic labels in UC, UCT, and UM format, and metal labels		**BLUEMARK ID COLOR**	1002329	1
Monochrome printer with solvent-free UV LED technology, with integrated "MARKING system app" marking software on board, 7" color touch display, incl. power cable, support CD containing multilingual user manuals, links to firmware, drivers, and planning and marking software, for printing US cards, plastic labels in UC, UCT, and UM format, and metal labels		**BLUEMARK ID**	1003334	1

Accessories

Infeed magazine			
for accommodating max. 20 UniCard sheets	**BM ID-MAG20**	1044356	1
for accommodating max. 40 UniCard sheets	**BM ID-MAG40**	1044357	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1
Transport case, with aluminum edges, for printer and accessories	**BM ID CASE**	1049953	1
UV fluid, **for replacement**, 23 ml, color:			
black	**BM ID-CARTR. BK**	1044345	1
cyan	**BM ID-CARTR. CY**	1044346	1
magenta	**BM ID-CARTR. MA**	1044347	1
yellow	**BM ID-CARTR. YE**	1044348	1
Dummy cartridge for transportation, color:			
black	**BM ID-DUMMY CARTR. BK**	1044351	1
cyan	**BM ID-DUMMY CARTR. CY**	1044352	1
magenta	**BM ID-DUMMY CARTR. MA**	1044353	1
yellow	**BM ID-DUMMY CARTR. YE**	1044354	1
Cleaning cartridge, for replacement	**BM ID-CLEANING CARTR.**	1044350	1
Original packaging for transportation	**BM ID-CARDBOARD BOX**	1044361	1

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THERMOMARK PRIME





Thermal transfer



Mobile thermal transfer printer with integrated marking software

- The THERMOMARK PRIME is the thermal transfer printer for mobile or stationary use
- With the integrated MARKING system app software, printing data is created on site
- Easy and intuitive operation via 7" touch color display
- Replaceable battery pack ensures cable-free use for many hours
- The connection to PROJECT complete enables the convenient processing of large marking projects
- Prints on plastic labels in UCT, US, and UM format

Notes:

Additional ink ribbons can be found in our online shop at phoenixcontact.net/products.

Technical data

Dimensions			
Width	Length	Height	
[mm]			
380	**292**	**122**	

General data	
Temperature range	[°C] 5 ... 35
Print resolution	[dpi] 300 dpi
Max. print width	[mm] 104
Interfaces	10/100 Mbps Ethernet / USB 2.0
Power supply	[V] 100 ... 240 / 50 Hz ... 60 Hz
Weight	[kg] 6
Operating system	MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Thermal transfer printer for mobile or stationary use, with integrated "MARKING system app" marking software on board, 7 inch color touch display, and replaceable battery pack. It can be linked to CLIP PROJECT. For printing on plastic labels in UCT, US, and UM format	gray	**THERMOMARK PRIME**	5148888	1

Accessories

Charger for the battery pack, power is supplied via the THERMOMARK PRIME's standard power supply unit or using the vehicle charging cable via the 12 V or 24 V connection	**TMP/CHARGER**	0803670	1
Spare charging cable for the charger when using a 12 V connection in the vehicle	**TMP/CHARGER CABLE VEHICLE 12V**	0803671	1
Spare battery pack, (NIMH) 18 V DC, 2.1 Ah	**TMP/ACCU**	0803668	1
Battery compartment cover, dummy battery pack closes the battery tab on the printer	**TMP/ACCU COVER**	0803669	1
Replacement power supply unit, input voltage of 100 V AC ... 240 V AC / 1.5 A / 50 Hz ... 60 Hz, output voltage: 24 V DC / 4.16 A	**TMP/EXT.POWER-SUPPLY 100-240V**	0803672	1
Bag for the THERMOMARK PRIME (5148888), material and accessories not included	**TMP BAG**	0803674	1
Backpack for the THERMOMARK PRIME (5148888), the THERMOFOX (0803984), material and accessories not included	**MOBILE BACKPACK**	0803717	1
Transport case with aluminum edges for the THERMOMARK PRIME (5148888), material and accessories not included	**TMP CASE**	0803675	1
Ink ribbon cassette for THERMOMARK PRIME, ink color: black, length: 70 m, width: 110 mm black	**TMP-RIBBON 110 BK 100**	0803374	1
Ink ribbon cassette for THERMOMARK PRIME, ink color: white, length: 60 m, width: 110 mm white	**TMP-RIBBON 110 WH 100**	0803376	1

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THERMOMARK CARD 2.0, thermal transfer printer for sheet and card material



- The THERMOMARK CARD 2.0 prints markers supplied in card format for cable, equipment, and plant marking applications
- For all UniCard (UCT) and UniSheet (US) materials
- Maintenance-free operation with tried-and-tested thermal transfer printing technology
- High-quality, fast marking. Printing time for one UniCard: just 8 seconds
- Easy and intuitive operation via touch color display
- USB and Ethernet connections
- Easy control via the PROJECT complete software



Thermal transfer printer for sheet and card material

Technical data

Dimensions	Width	Length	Height
[mm]	**380**	**320**	**189**

General data		
Temperature range	[°C]	5 ... 35
Print resolution	[dpi]	-
Max. print width	[mm]	104
Interfaces		10/100 Mbps Ethernet / USB 2.0
Power supply	[V]	-
Weight	[kg]	6
Operating system		MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Thermal transfer printer for card material, incl. European power cable, US power cable, USB cable, operating instructions in German, English in printed format, magazine for UCT-TM materials, magazine for US materials, one UCT-TM 6 unit pack, one US-EMLP (85,6X54) (85,6x54) unit pack, one ink ribbon (50 m sample roll)		**THERMOMARK CARD 2.0**	1085267	1

Accessories

Transport case	**TL CASE**	0800613	1
Trolley for TL-CASE transport case	**TL CASE TROLLY**	0803337	1
Cleaning stick	**CLEANING STICK**	5146697	5
Ink ribbon for THERMOMARK CARD..., ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-TC**	0801371	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm	**TM-RIBBON 110-TC/TR WH**	1014402	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm	**TM-RIBBON 110 WH 100**	0804661	1

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Magazines for THERMOMARK CARD and THERMOMARK PRIME



Thermal transfer



Magazines for UniCard marking materials

- Robust magazines for UniSheet and UniCard marking material
- The format automatically ensures printing with a high degree of positioning accuracy
- Marking sheets that have already been started and have full rows remaining can continue to be used
- A bar code affixed laterally to the magazine enables the THERMOMARK PRIME to identify the magazine. This prevents printing errors caused by using the wrong magazines

	Ordering data		
Description	Type	Order No.	Pcs./Pkt.
Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UCT-TM..., UCT1(U)-TM..., UCT5-TM..., UCT-EM (5x10), UCT-EM (6x10)	TMP-UCT-MAG1	0803342	1
for accommodating UCT-TMF...	TMP-UCT-MAG2	0803343	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UCT-WMS...	TMP-UCT-MAG3	0803344	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UCT1-TMF...	TMP-UCT-MAG4	0803345	1
for accommodating UCT2-TM...	TMP-UCT-MAG5	0803347	1
for accommodating UCT3-TM...	TMP-UCT-MAG6	0803348	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UCT-WMT..., UCT-EM (7x10)	TMP-UCT-MAG7	0803349	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UCT-EM (20x7), UCT-EM (17,5x8)	TMP-UCT-MAG8	0803350	1
for accommodating UCT-EM (12x3,3), UCT-EM (12x6)	TMP-UCT-MAG9	0803351	1
for accommodating UCT-EM (30x5)	TMP-UCT-MAG10	0803352	1
for accommodating UCT-EM (17x10)	TMP-UCT-MAG11	0803353	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UCT-EM (10x8)	TMP-UCT-MAG12	0803354	1
for accommodating UCT-EM (10x5)	TMP-UCT-MAG13	0803355	1
for accommodating UCT-EM (17x8), UCT-EM (21x8)	TMP-UCT-MAG14	0803356	1
for accommodating UCT-EM (20x9)	TMP-UCT-MAG15	0803357	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UCT-EM (17x9)	TMP-UCT-MAG16	0803358	1
for accommodating UCT-EM (18x8)	TMP-UCT-MAG17	0803360	1
for accommodating UCT-EM (17,5x7,5)	TMP-UCT-MAG18	0803361	1
for accommodating UCT-EM (15x10)	TMP-UCT-MAG19	0803363	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UCT-EM (10x7), UCT-WMTB (29x8)	TMP-UCT-MAG20	0803364	1
for accommodating UCT-EM (20x8)	TMP-UCT-MAG21	0803365	1
for accommodating UCT-EM (17,5x9)	TMP-UCT-MAG22	0803366	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UCT6M-TM...	TMP-UCT-MAG23	0803367	1
for accommodating UCT6R-TM...	TMP-UCT-MAG24	0803368	1

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Magazines for THERMOMARK CARD and THERMOMARK PRIME





Thermal transfer



Magazines for UniCard marking materials

- Robust magazines for UniSheet and UniCard marking material
- The format automatically ensures printing with a high degree of positioning accuracy
- Marking sheets that have already been started and have full rows remaining can continue to be used
- A bar code affixed laterally to the magazine enables the THERMOMARK PRIME to identify the magazine. This prevents printing errors caused by using the wrong magazines

	Ordering data		
Description	Type	Order No.	Pcs./Pkt.
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating: UCT-WMCO...(12x4)	TMP-UCT-MAG25	0803369	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EMP ...	TMP-UCT-MAG26	0803370	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-WMTBA (25x6), UCT-WMTBA (29x8), UCT-WMTBA (40x17)	TMP-UCT-MAG27	0803371	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating: UCT-WMCO...(18x4)	TMP-UCT-MAG28	0803372	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating: UCT-WMCO...(23xX)	TMP-UCT-MAG29	0803373	1
for accommodating UCT-EM (12x7)	TMP-UCT-MAG30	0804461	1
for accommodating UCT-EMNP (12,5x6), UCT-EMP (35x9)	TMP-UCT-MAG31	1025505	1
for accommodating UCT4-EM(L)P...	TMP-UCT-MAG32	1082129	1
for accommodating UCT-EM (12x8)P..	TMP-UCT-MAG33	1082130	1

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Magazines for THERMOMARK CARD and THERMOMARK PRIME





Thermal transfer



Magazine for UniSheet marking materials

- Robust magazines for UniSheet and UniCard marking material
- The format automatically ensures printing with a high degree of positioning accuracy
- Marking sheets that have already been started and have full rows remaining can continue to be used
- A bar code affixed laterally to the magazine enables the THERMOMARK PRIME to identify the magazine. This prevents printing errors caused by using the wrong magazines

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

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Magazines for THERMOMARK CARD and THERMOMARK PRIME



Thermal transfer for sheets and cards



Magazine for UM marking materials

- Robust magazine for universal material
- One magazine accommodates up to four double strips
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Marking strips that have already been started and have full rows remaining can continue to be used

	Ordering data		
Description	Type	Order No.	Pcs./Pkt.
Magazine, for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM1-TM ..., UM5-TM...	TMP-UM-MAG1	0831200	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UM1-TMF ...	TMP-UM-MAG3	0831202	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UM1U-TM ...	TMP-UM-MAG4	0831203	1
Magazine, for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM2-TM...	TMP-UM-MAG5	0803328	1
Magazine, for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM3-TM...	TMP-UM-MAG6	0803329	1
Magazine, for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM6M-TM...	TMP-UM-MAG7	0803330	1
Magazine, for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM6R-TM...	TMP-UM-MAG8	0803331	1
Magazine, for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM8-TM...	TMP-UM-MAG9	0803332	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UM7-TM (5x10), UM7-TM (6x10)	TMP-UM-MAG10	0803334	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UM7-TM (8x10)	TMP-UM-MAG11	0803681	1

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THERMOMARK ROLL 2.0, thermal transfer printer for material off the roll





Thermal transfer for rolls



Thermal transfer printer for material off the roll

- The THERMOMARK ROLL 2.0 prints markers supplied in roll format for terminal, wire, cable, and equipment marking applications
- For all labels, shrink sleeves, and marking sleeves
- Maintenance-free operation with tried-and-tested thermal transfer printing technology
- High-quality, fast marking
- Easy and intuitive operation via touch color display
- USB and Ethernet connections
- Easy control via the PROJECT complete software

Cutting to length or perforating is easy

- Continuous media can be cut or perforated with a high degree of positioning accuracy (see figure below)



Technical data

Dimensions			
	Width	Length	Height
	[mm]	[mm]	[mm]
	253	320	189

General data	
Temperature range	[°C] 10 … 35
Print resolution	[dpi] 300 dpi
Max. print width	[mm] 105
Max. print length	[mm] 1000
Interfaces	10/100 Mbps Ethernet / USB 2.0 / RS-232
Power supply	[V] -
Weight	[kg] -
Operating system	MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Thermal transfer printer for material off the roll, incl. power cable, USB cable, user manual in German, English printed in DIN A5 format, one EML (20x8) roll of labels with 1000 labels, one ink ribbon (50 m)	THERMOMARK ROLL 2.0	1085260	1

Accessories

Cutter, can be retrofitted, for precise cutting of continuous media into required lengths	THERMOMARK ROLL-CUTTER	5146422	1
Cutter, can be retrofitted, for perforating continuous media	THERMOMARK ROLL-CUTTER/P	5146435	1
External media hub, for roll diameters of 150 mm to 400 mm	THERMOMARK ROLL-ERH	5146448	1
Standard pressure roller	TR-PRESSURE ROLLER STANDARD	0801802	1
Pressure roller, for continuous shrink sleeve	TR-PRESSURE ROLLER DR4-50	0801800	1
Transport case	TL CASE	0800613	1
Trolley for TL-CASE transport case	TL CASE TROLLY	0803337	1
Cleaning stick	CLEANING STICK	5146697	5
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm black	THERMOMARK-RIBBON 110	5145384	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm white	TM-RIBBON 110 WH 100	0804661	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm black	THERMOMARK-RIBBON 110-WMTB HF	5148007	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm black	THERMOMARK-RIBBON 110-WMSU	0801358	1

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THERMOMARK ROLLMASTER, thermal transfer printer for material off the roll





Thermal transfer for rolls



Thermal transfer printer for material off the roll

The THERMOMARK ROLLMASTER 300 and THERMOMARK ROLLMASTER 600 complete the product range in the field of thermal transfer printers and excel, thanks to:

– High print speed
– Print resolution of 300 dpi
– The printers are ideal for marking large quantities and process all materials in roll format
– Easy and intuitive operation via touch color display
– The easy-to-use centering function for the printing material makes it possible to mark continuous media such as shrink sleeves
– High-quality resin-based ink ribbons ensure a form of marking that is resistant to mechanical and chemical effects
– Continuous media can be cut and perforated with a high degree of positioning accuracy

Notes:

For more ink ribbons, visit our online shop at: phoenixcontact.net/products.

Technical data

		Width	Length	Height
Dimensions	[mm]	**380**	**460**	**288**

General data		
Temperature range	[°C]	10 … 40
Print resolution	[dpi]	300 dpi
Max. print width	[mm]	105
Max. print length	[mm]	2000
Interfaces		10/100 Mbps Ethernet / USB 2.0 / RS-232
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz
Weight	[kg]	10
Operating system		MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Thermal transfer printer for material off the roll, 300 dpi, incl. power cable, USB cable, user manual in German, English printed in DIN A4 format	THERMOMARK ROLLMASTER 300	0804501	1
Thermal transfer printer for material off the roll, 600 dpi, incl. power cable, USB cable, user manual in German, English printed in DIN A4 format	THERMOMARK ROLLMASTER 600	0804663	1

Accessories

Cutting device, for THERMOMARK ROLLMASTER 300 and THERMOMARK ROLLMASTER 600	THERMOMARK ROLLMASTER-CUTTER	0804502	1
Perforation device, for THERMOMARK ROLLMASTER 300 and THERMOMARK ROLLMASTER 600	THERMOMARK ROLLMASTER-CUTTER/P	0804503	1
Adapter screw for using the existing THERMOMARK X1.2 CUTTER and THERMOMARK X1.2 CUTTER/P blade	TRM-ADAPTER SCREW	0804653	1
External media hub, for roll diameters of 150 mm to 400 mm	THERMOMARK ROLL-ERH	5146448	1
Standard pressure roller	TRM-PRESSURE ROLLER STANDARD	0804655	1
Pressure roller for continuous shrink sleeve	TRM-PRESSURE ROLLER 4-50	0804656	1
Transport case	THERMOMARK ROLLMASTER-CASE	0804643	1
Cleaning stick	CLEANING STICK	5146697	5
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm, black	THERMOMARK-RIBBON 110	5145384	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm, white	TM-RIBBON 110 WH 100	0804661	1



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THERMOMARK W2, thermal transfer printer for continuous shrink sleeve and continuous marking sleeve





Thermal transfer for rolls



Thermal transfer printer for continuous sleeve materials

The THERMOMARK W2 was specifically developed for double-sided printing and perforation of WMS(-2 HF) ... continuous shrink sleeves and continuous marking sleeves

- The double-sided printing ensures optimum legibility of the marking
- Shrink sleeve rolls can be inserted directly in the device, an external media hub is required for RL and RXL shrink sleeve rolls
- Guide elements ensure easy handling when inserting the sleeve
- The user-friendly interface of the PROJECT complete software enables you to enter custom specifications for the marking and marker length
- Ink ribbons in black and white are available for maximum contrast to the carrier material
- The printed markers can be easily and quickly separated along the perforations



Technical data

Dimensions				
		Width	Length	Height
	[mm]	**780**	**554**	**405**

General data		
Temperature range	[°C]	10 ... 35
Print resolution	[dpi]	300 dpi
Max. print width	[mm]	105.6
Max. print length	[mm]	1000
Interfaces		Serial (RS-232) / USB 2.0 / 10/100 Mbps Ethernet
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz
Weight	[kg]	21
Operating system		MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Thermal transfer printer for material off the roll, 300 dpi, specifically for double-sided shrink sleeve printing, incl. perforation cutter, power cable, USB cable, user manual in German, English printed in DIN A4 format	gray	**THERMOMARK W2**	5146147	1

Accessories

External media hub, for roll diameters of 150 mm to 400 mm		**THERMOMARK ROLL-ERH**	5146448	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	black	**THERMOMARK-RIBBON 110-WMSU**	0801358	1
	white	**THERMOMARK-RIBBON 110-WMSU WH**	0801359	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm	black	**THERMOMARK-RIBBON 64-WMSU**	0801360	1
	white	**THERMOMARK-RIBBON 64-WMSU WH**	0801361	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	black	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm	black	**THERMOMARK-RIBBON 25-WMSU**	0803390	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm	black	**THERMOMARK-RIBBON 64-WMSE**	5145724	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm	black	**THERMOMARK-RIBBON 64-WMSU**	0801360	1
	white	**THERMOMARK-RIBBON 64-WMSU WH**	0801361	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm	black	**TM-RIBBON 25 BK 102**	1053499	1

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THERMOFOX





Thermal transfer for rolls



Mobile thermal transfer printer for material off the roll

- Portable thermal transfer printer for material off the roll
- Maintenance-free operation with tried-and-tested thermal transfer printing technology
- Printing of self-adhesive labels, non-adhesive marking strips, and shrink sleeves
- The THERMOFOX prints materials in cassette format, which contain the material to be marked and the appropriate ink ribbon.
- Intuitive user guidance, thanks to a well-structured menu and direct input keys
- 8 different bar codes and over 300 symbols are integrated
- Alternative control via the PROJECT complete software

Technical data

Dimensions		Width	Length	Height
	[mm]	**98**	**230**	**69**
General data				
Temperature range	[°C]	5 ... 40		
Print resolution	[dpi]	203 dpi		
Max. print width	[mm]	24		
Interfaces		USB		
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz		
Weight	[kg]	656		
Operating system		MS Windows 7, MS Windows 8.1, MS Windows 10		

Ordering data

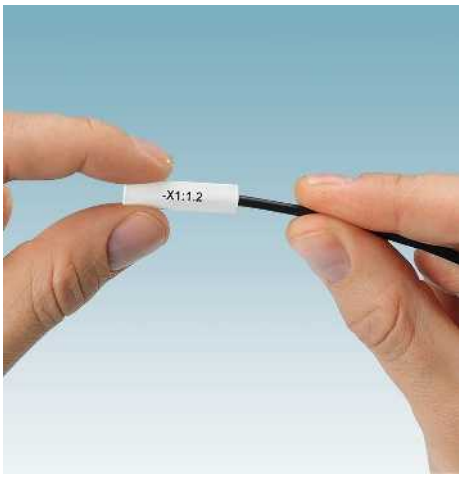
Description	Color	Type	Order No.	Pcs./Pkt.
Portable thermal transfer printer for material off the roll				
		THERMOFOX	**0803984**	1
with Chinese firmware and Chinese marking		**THERMOFOX CN**	**0803985**	1
with Russian firmware and Russian marking		**THERMOFOX RU**	**1037760**	1
Portable thermal transfer printer for materials off the roll, with accessories (power supply unit with four interchangeable plugs, battery, USB cable, MM-EMLF (EX18) WH/BK, EMLC (EX18) WH/BK) materials in hard-shell case				
		THERMOFOX SET	**0803986**	1
with Chinese firmware and Chinese marking		**THERMOFOX SET CN**	**0803987**	1
with Russian firmware and Russian marking		**THERMOFOX SET RU**	**1037743**	1

Accessories

Hard-shell case for storing the THERMOFOX printer and accessories	**THERMOFOX/CASE**	**0805002**	1
Shoulder bag for transporting the THERMOFOX printer and accessories	**THERMOFOX/BAG**	**0805003**	1
Belt clip	**THERMOFOX/BELT CLIP**	**0805004**	1
Magnetic holder for placing the THERMOFOX printer on metal surfaces, e.g., on the control cabinet	**THERMOFOX/MAGNET HOLDER**	**0805008**	1
Rechargeable battery for mobile operation of the THERMOFOX printer	**THERMOFOX/ACCU**	**0805009**	1
Power supply unit for stationary operation of the THERMOFOX printer	**THERMOFOX/ADAPTER**	**0805010**	1
Charging cradle for charging the battery (THERMOFOX/ACCU)	**THERMOFOX/CHARGER**	**0805012**	1

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Cassettes for THERMOFOX



Thermal transfer for rolls



Mounting type: slide-on

- The MM-WMS ... and MM-WMS 2 ... shrink sleeves are suitable for marking prior to wiring and can be shrunk
- MM-WML ... is used for subsequent marking
- Practical material ink ribbon cassette for fast material changeover

Technical data

General data		
Can be marked with		THERMOFOX
Material		Polyolefine
Temperature range	[°C]	-55 ... 135
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium
Shrink ratio		3:1

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shrink sleeve in cassettes, can be marked with THERMOFOX				
1.0 - 3.2 mm conductor diameter	white	**MM-WMS 3,2 (EX5)R C1 WH/BK**	0803923	1
1.6 - 4.8 mm conductor diameter	white	**MM-WMS 4,8 (EX9)R C1 WH/BK**	0803924	1
2.1 - 6.4 mm conductor diameter	white	**MM-WMS 6,4 (EX10)R C1 WH/BK**	0803925	1
3.2 - 9.5 mm conductor diameter	white	**MM-WMS 9,5 (EX16)R C1 WH/BK**	0803926	1
Shrink sleeve in cassettes, can be marked with THERMOFOX				
1.6 - 3.2 mm conductor diameter	white			
2.4 - 4.8 mm conductor diameter	white			
3.2 - 6.4 mm conductor diameter	white			
4.8 - 9.5 mm conductor diameter	white			
Cable marker labels in cassettes, can be marked with THERMOFOX				
Up to 3 mm Ø	white			
Up to 5 mm Ø	white			

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Mounting type: slide-on



Mounting type: adhesive

Technical data

THERMOFOX	
Polyolefine	
-55 ... 135	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone, halogen, and cadmium	
2:1	

Ordering data

Type	Order No.	Pcs./Pkt.
MM-WMS-2 3,2 (EX5)R C1 WH/BK	**0803927**	1
MM-WMS-2 4,8 (EX9)R C1 WH/BK	**0803928**	1
MM-WMS-2 6,4 (EX10)R C1 WH/BK	**0803929**	1
MM-WMS-2 9,5 (EX16)R C1 WH/BK	**0803930**	1

Technical data

THERMOFOX	
Vinyl polymer	
-40 ... 80	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and cadmium	
-	

Ordering data

Type	Order No.	Pcs./Pkt.
MM-WML 3 (EX10)R C1 WH/BK	**0803931**	1
MM-WML 5 (EX10)R C1 WH/BK	**0803932**	1

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Cassettes for THERMOFOX





Thermal transfer for rolls



Mounting type: insertion

- Insert strips in continuous format
- MM-EMT ... is suitable for assembling KMK plastic cable markers as well as PATO/PATG marking collars
- Practical material ink ribbon cassette for fast material changeover

Technical data

Can be marked with		THERMOFOX
Material		Polyester
Temperature range	[°C]	-5 ... 49
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Insert label in cassettes, can be marked with THERMOFOX				
Lettering field size: continuous x 6 mm	white	**MM-EMT (EX6)R C1 WH/BK**	0803963	1
Lettering field size: continuous x 8 mm	white	**MM-EMT (EX8)R C1 WH/BK**	0803965	1
Lettering field size: continuous x 15 mm	white	**MM-EMT (EX15)R C1 WH/BK**	0803966	1
Lettering field size: continuous x 17 mm	white	**MM-EMT (EX17)R C1 WH/BK**	0803967	1
Lettering field size: continuous x 18 mm	white	**MM-EMT (EX18)R C1 WH/BK**	0803968	1
Lettering field size: continuous x 23 mm	white	**MM-EMT (EX23)R C1 WH/BK**	0803969	1

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Cassettes for THERMOFOX

- The MM-EMLC ... and MM-EML ... self-adhesive labels are available as continuous material for equipment marking
- MM-EMLC ... is particularly suitable for applying around edges.
- Practical material ink ribbon cassette for fast material changeover



Mounting type: adhesive



Mounting type: adhesive

		Technical data	Technical data
Can be marked with		THERMOFOX	THERMOFOX
Material		PA	Polyester
Temperature range	[°C]	0 ... 80	-40 ... 149
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium	Free from silicone, halogen, and cadmium

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 10 mm							
	white	**MM-EMLC (EX10)R C1 WH/BK**	0803933	1	**MM-EML (EX10)R C1 WH/BK**	0803970	1
	silver				**MM-EML (EX10)R C1 SR/BK**	0803974	1
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 12 mm							
	white	**MM-EMLC (EX12)R C1 WH/BK**	0803934	1	**MM-EML (EX12)R C1 WH/BK**	0803971	1
	silver				**MM-EML (EX12)R C1 SR/BK**	0803975	1
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 18 mm							
	white	**MM-EMLC (EX18)R C1 WH/BK**	0803936	1	**MM-EML (EX18)R C1 WH/BK**	0803972	1
	silver				**MM-EML (EX18)R C1 SR/BK**	0803976	1
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 24 mm							
	white				**MM-EML (EX24)R C1 WH/BK**	0803973	1
	silver				**MM-EML (EX24)R C1 SR/BK**	0803978	1

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Cassettes for THERMOFOX





Thermal transfer for rolls



Mounting type: adhesive

- The MM-EMLF ... material is suitable for a multitude of applications in the field of plant marking
- Available in six different colors
- Practical material ink ribbon cassette for fast material changeover

Technical data

Can be marked with		THERMOFOX
Material		Vinyl polymer
Temperature range	[°C]	-20 ... 75
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Label, highly flexible, in cassette form, can be marked with: THERMOFOX, lettering field size: continuous x 10 mm				
	blue	**MM-EMLF (EX10)R C1 BU/WH**	0803945	1
	green	**MM-EMLF (EX10)R C1 GN/WH**	0803950	1
	orange	**MM-EMLF (EX10)R C1 OG/BK**	0803955	1
	red	**MM-EMLF (EX10)R C1 RD/WH**	0803959	1
	white	**MM-EMLF (EX10)R C1 WH/BK**	0803937	1
	yellow	**MM-EMLF (EX10)R C1 YE/BK**	0803941	1
Label, highly flexible, in cassette form, can be marked with: THERMOFOX, lettering field size: continuous x 12 mm				
	blue	**MM-EMLF (EX12)R C1 BU/WH**	0803946	1
	green	**MM-EMLF (EX12)R C1 GN/WH**	0803952	1
	orange	**MM-EMLF (EX12)R C1 OG/BK**	0803956	1
	red	**MM-EMLF (EX12)R C1 RD/WH**	0803960	1
	white	**MM-EMLF (EX12)R C1 WH/BK**	0803938	1
	yellow	**MM-EMLF (EX12)R C1 YE/BK**	0803942	1
Label, highly flexible, in cassette form, can be marked with: THERMOFOX, lettering field size: continuous x 18 mm				
	blue	**MM-EMLF (EX18)R C1 BU/WH**	0803947	1
	green	**MM-EMLF (EX18)R C1 GN/WH**	0803953	1
	orange	**MM-EMLF (EX18)R C1 OG/BK**	0803957	1
	red	**MM-EMLF (EX18)R C1 RD/WH**	0803961	1
	white	**MM-EMLF (EX18)R C1 WH/BK**	0803939	1
	yellow	**MM-EMLF (EX18)R C1 YE/BK**	0803943	1
Label, highly flexible, in cassette form, can be marked with: THERMOFOX, lettering field size: continuous x 24 mm				
	blue	**MM-EMLF (EX24)R C1 BU/WH**	0803949	1
	green	**MM-EMLF (EX24)R C1 GN/WH**	0803954	1
	orange	**MM-EMLF (EX24)R C1 OG/BK**	0803958	1
	red	**MM-EMLF (EX24)R C1 RD/WH**	0803962	1
	white	**MM-EMLF (EX24)R C1 WH/BK**	0803940	1
	yellow	**MM-EMLF (EX24)R C1 YE/BK**	0803944	1

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Cassettes for THERMOFOX

- The self-adhesive, continuous MM-TML ... label material is suitable for subsequent marking of terminal markers
- The non-adhesive, continuous MM-TMT ... marking strips are snapped into the marker groove of Phoenix Contact terminal blocks
- Practical material ink ribbon cassette for fast material changeover



Mounting type: adhesive



Mounting type: snap-on

Technical data	
Can be marked with	THERMOFOX
Material	Polyester
Temperature range [°C]	-40 ... 150
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone, halogen, and cadmium

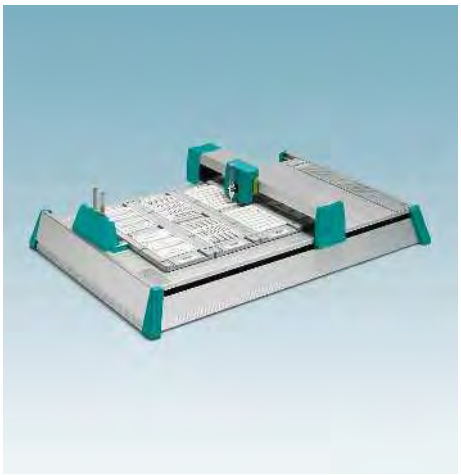
Technical data	
THERMOFOX	
Polyester	
-5 ... 49	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone, halogen, and cadmium	

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Labels in cassettes, can be marked with THERMOFOX				
Lettering field size: continuous x 4.2 mm	transparent	**MM-TML (EX4,2)R C1 TR/BK**	0803979	1
Lettering field size: continuous x 6.35 mm	white	**MM-TMT (EX6,35)R C1 WH/BK**	0803982	1
Lettering field size: continuous x 9.5 mm	transparent	**MM-TML (EX9,5)R C1 TR/BK**	0803981	1
Lettering field size: continuous x 9.5 mm	white	**MM-TMT (EX9,5)R C1 WH/BK**	0803983	1

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PLOTMARK





Plotter



Marking plotter

- During long periods of non-use, the plotter pens are stored safely in a pen station
- The pens are removed and deposited automatically
- The pen station of the PLOTMARK prevents the plotter pens from drying out
- An automatic marking preparation function ensures optimum marking results right from the first character
- The plotter is controlled via the PROJECT complete software
- The plotter can be connected to the computer quickly and easily via the Centronics or USB interface
- Easily operated with just a few buttons

Technical data

Dimensions		Width	Length	Height
	[mm]	**480**	**690**	**155**

General data		
Lettering field size	[mm]	422 x 305 mm
Max. material height	[mm]	10.5
Max. plotting speed	[m/s]	0.04
Interfaces		USB 2.0 / -
Input voltage / frequency	[V]	100 ... 240 / 50 Hz ... 60 Hz
Weight	[kg]	8
Operating system		MS Windows 7, MS Windows 8.1, MS Windows 10

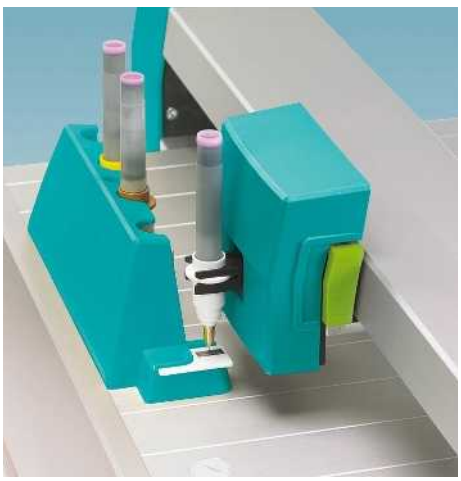
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marking plotter, incl. power supply unit, connecting cable (Centronics and USB), CMS-PEN 0,25 pen, user manual, CLIP PROJECT planning and marking software	silver	**PLOTMARK**	0804499	1

Accessories

Pen station seal set, 4 replacement seals for the PLOTMARK pen station and 10 marking preparation plates, incl. assembly tool	**CMS-P1-PENDEPOT**	5144835	1
Marking preparation plate, for the CMS-P1-PLOTTER and PLOTMARK pen stations	**CMS-P1-PREPLATES**	5145135	1

Magazines and pens — **See page 52**



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ENGRAVING UNIT





Engraving



Engraving unit

- The ENGRAVING UNIT is the ideal marking solution for device and component marking applications subjected to high levels of mechanical and chemical stress
- The PLOTMARK can be converted into an engraving unit quickly and easily by swapping the plotter head for the engraving device
- To allow different line thicknesses, engraving chisels with diameters ranging from 0.2 ... 1.0 mm are available as accessories
- These are supplemented by a comprehensive product range of pre-assembled engraving materials; see page 346.
- These materials remain in position and do not slip when used with the CMS-P1-M/GPE ENGRAVING plotter magazine

Technical data

Dimensions		Width	Length	Height
	[mm]	**250**	**350**	
General data				
Power supply	[V]	110 ... 240 / 50 Hz ... 60 Hz		
Weight	[kg]	8		
Speed range	[RPM]	5000 ... 50000		
Collet chuck	[mm]	3		
Power consumption	[W]	150		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Engraving unit, for the PLOTMARK, incl. operating instructions (English/German), data CD, and engraving chisel	**ENGRAVING UNIT**	0804500	1

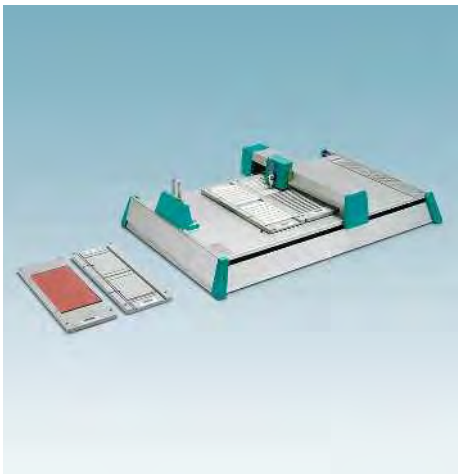
Accessories

Engraving chisel, with a point angle of 15°			
Point diameter 0.2 mm	**P1 GRAVER 0.2**	5145478	1
Point diameter 0.3 mm	**P1 GRAVER 0.3**	5145481	1
Point diameter 0.5 mm	**P1 GRAVER 0.5**	5145504	1
Point diameter 0.7 mm	**P1 GRAVER 0.7**	5145517	1
Point diameter 1.0 mm	**P1 GRAVER 1.0**	5145520	1
Vacuum cleaner bag, 5 spare bags for replacement	**P1 ENGRAVING VC BAG**	5145559	1
Magazine for CMS-P1-PLOTTER and the PLOTMARK, for accommodating EMLP ... and GPE... materials for engraving - 1 GPE label sheet	**CMS-P1-M/GPE ENGRAVING**	5145711	1



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Magazines for marking plotter





Magazines for marking plotter

- Robust plastic magazines for marking all standard marking materials
- Marking sheets that have already been started and have full rows remaining can continue to be used
- Partial marking is possible
- The plotter capacity is fully utilized, thanks to the size of the magazine
- If you cannot find the right magazine for your materials, please get in touch

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Magazine for CMS-P1-PLOTTER and PLOTMARK, for accommodating: UC-TM ..., UC-TMN ..., UC3-TM ..., UC-WMC 1,9..., UC-WMC 3,1..., UC-WMTBA ..., UC-EM (17,5x9), UC-EM (18x8), UC-EM (21x8)	gray	**P1 UC-MAG 1**	5146079	1
for accommodating UC-WMC 4,4...	gray	**P1 UC-MAG 2**	5146082	1
for accommodating UC-WMC 5,6..., UC-WMC 7,5...	gray	**P1 UC-MAG 3**	5146095	1
for accommodating UC-TMF..., UC1-TMF..., UC2F-TM..., UC-WMT...	gray	**P1 UC-MAG 4**	5146105	1
for accommodating UC1-TM..., UC1U-TM..., UC2-TM...	gray	**P1 UC-MAG 5**	5146118	1
for accommodating: UC-EM..., UC-EMP..., UC-EMLP..., UC-EMSP..., and UC-WMTB...	gray	**P1 UC-MAG 6**	5146121	1
for accommodating: UC-WMCO ...	gray	**P1 UC-MAG 7**	5146568	1
Plastic magazines for CMS-P1-PLOTTER and PLOTMARK, for accommodating: - 22 zack marker strips		**CMS-P1-M/ZB**	5144699	1
- 26 flat zack marker strips or ZBN strips		**CMS-P1-M/ZBF**	5144709	1
- 2 zack marker sheets		**CMS-P1-M/ZBM**	5144660	1
- 3 flat zack marker sheets		**CMS-P1-M/ZBFM**	5144686	1
- 22 contactor label zack marker strips		**CMS-P1-M/SS-ZB**	5144712	1
- 4 to 6 PABA marker bars		**CMS-P1-M/PAB**	5144741	1
- 30 stud-type ZB strips		**CMS-P1-M/BN-ZB**	5144725	1
- 1 GPE label sheet		**CMS-P1-M/GPE**	5144754	1
- 20 strips LBHZ conductor marking		**CMS-P1-M/LBHZ**	5144738	1
- 1 GPE label sheet		**CMS-P1-M/GPE ENGRAVING**	5145711	1
Magazine for accommodating sheet material, self-adhesive mat for fixing labels, foils and paper, size of sheet max. DIN A4		**CMS-P1-PAD**	5144819	1

Accessories

Adapter plate for WMU magazines, for using the universal CMS-WMU replaceable frame with the magazine inserts of the CMS-MCP 3 plotter		**CMS-P1-WMU-ADAPTER**	5144822	1
Replacement fixation pad for CMS-P1-M/GPE and CMS-P1-M/GPE ENGRAVING, one fixation pad, sufficient for one magazine		**CMS-P1-M/GPE-PAD**	5144880	1
Replacement fixation pad for CMS-P1-PAD, 1 fixation pad in DIN A4 format		**CMS-P1-PAD/SPARE**	5144893	1

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Plotter pens



– Plotter pens for high-quality product marking
– Wipe-resistant, high-quality print image
– Both reusable and disposable plotter pens are available



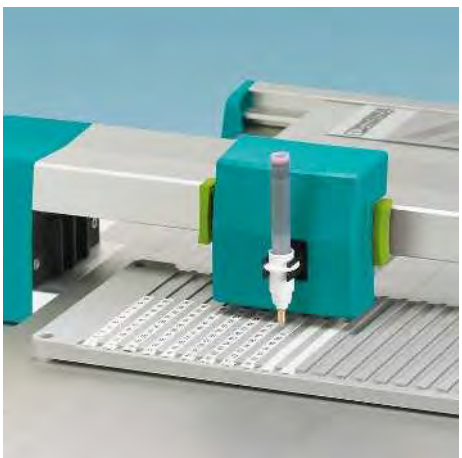
Plotter



Pens for marking plotter

EAC

Description	Color	Type	Order No.	Pcs./Pkt.
Ordering data				
Disposable plotter pen, non-refillable plotter pen, with pen station, completely filled with 1 ml CMS-INK-TR-C 5 ink, for the highest requirements				
Line thickness 0.25 mm	black	**CMS-DISPOSABLE-PEN 0,25 TR**	5146685	1
Line thickness 0.35 mm	black	**CMS-DISPOSABLE-PEN 0,35 TR**	5146686	1
Pens, incl. adapters, ink reservoir, and pen station, for different line thicknesses, without ink				
Line thickness 0.25 mm	black	**CMS-PEN 0,25**	5067815	1
Line thickness 0.35 mm	black	**CMS-PEN 0,35**	5067828	1
Line thickness 0.50 mm	black	**CMS-PEN 0,50**	5067831	1
Accessories				
Cleaning set for pens, consisting of: 1 cleaning cup, 2 cartridges, each with 10 ml cleaning fluid and 2 spare sealing caps for the pen station		**CMS-R-SET-TR**	5146751	1
Cleaning cartridges with spare sealing caps, 2 cartridges, each with 10 ml cleaning fluid and 2 caps		**CMS-R-FLUID-TR-C2**	5146752	1
Cleaning fluid, 30 ml		**CMS-R-FLUID-TR**	5146750	1
Ink cartridge, for CMS-PEN...		**CMS-INK-TR-C5**	5146684	1



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Marker pen for plotter and manual marking



- High-quality marking of marking materials, can be performed manually or with the plotter
- Used in conjunction with the P-PEN ADAPTER when combined with plotter
- Disposable pen



Pen for marking plotter

Description	Color	Type	Order No.	Pcs./Pkt.
Disposable pen, non-refillable, for manual marking, can be also used for plotter marking when combined with the P-PEN ADAPTER	black	**P-PEN**	0815211	10

Accessories

Aluminum adapter, for affixing the P-PEN when plotter marking		**P-PEN ADAPTER**	0815224	1

Marker pen for manual marking



- High-quality marking of marking materials is even possible without using marking devices
- We provide three versions for manual marking
- Refillable pen: X-PEN
- Disposable pen: B-STIFT
- Disposable pen: P-PEN, can also be used for plotter marking when combined with an adapter



Marker pen for manual marking

Description	Color	Type	Order No.	Pcs./Pkt.
Marker pen, refillable, for manual marking, 0.35 mm line thickness, can be refilled with CMS-INK-TR-C 5, supplied without ink	black	**X-PEN 0,35**	0811228	1

Accessories

Ink cartridge, for CMS-PEN...	black	**CMS-INK-TR-C5**	5146684	1

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Marker pen for manual marking

- High-quality marking of marking materials is even possible without using marking devices
- We provide three versions for manual marking
- Refillable pen: X-PEN
- Disposable pen: B-STIFT
- Disposable pen: P-PEN, can also be used for plotter marking when combined with an adapter



Marker pen for manual marking

Description	Color	Ordering data		
		Type	Order No.	Pcs./Pkt.
Marker pen, non-refillable, for manual marking, line thickness 0.5 mm	black	**B-STIFT**	1051993	10

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Terminal marking – MARKING system

Large-surface and clear marking of terminal strips is essential for quick and error-free wiring of terminal strips. This is also true for the maintenance and startup of control cabinets and systems.

Terminal markers from Phoenix Contact are optimally tailored to the terminals. They are available marked or unmarked, in sheet, card or roll format.

Product range overview

Terminal marking 58

Overview of terminal marking for Phoenix Contact 60

The right marking solution for every terminal

Overview of terminal marking for other manufacturers 80

Phoenix Contact offers the right marking solution for every terminal

UniCard UC-TM... terminal marking

For tall marker groove 110
For flat marker groove 112

ZB... zack marker strip terminal marking

For tall marker groove 116
For flat marker groove 126

UniCard UCT-TM... terminal marking

For tall marker groove 132
For flat marker groove 134

UniSheet US-TM... terminal marking

For universal marker groove 136
For flat marker groove 137

TMT... terminal marking supplied in rolls

Marker strips for tall and flat marker grooves 140

TML... terminal marking supplied in rolls

Self-adhesive markers for terminal blocks without marker groove 144

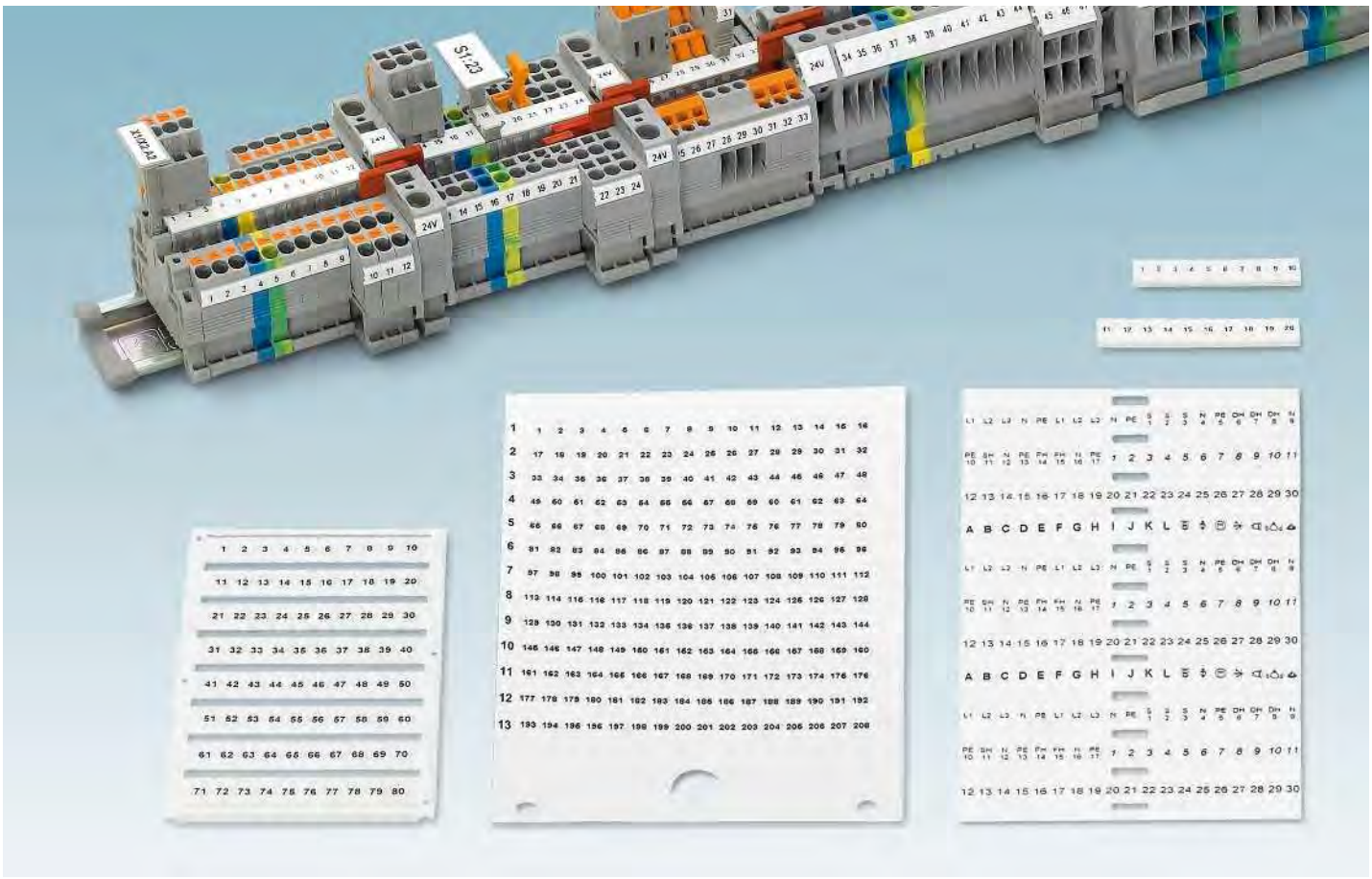
SK... terminal marking supplied as card material

Self-adhesive markers for terminal blocks without marker groove 149

Group marker labels and warning labels 152

Terminal marking for terminal blocks from other manufacturers 156

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Clear marking of electrical connecting elements and control cabinet components are requirements which industry must face up to nowadays. As with comprehensive documentation, the precise marking of all terminal points makes it easier to set up and maintain the systems concerned.

EN 60204-1/VDE 0113 Part 1 sets out requirements concerning consistent marking and, therefore, for ensuring that it matches the technical documentation.

A comprehensive product range of different marking materials is available to you for marking Phoenix Contact terminal blocks, as well as those provided by other companies. The marking materials can be easily separated by hand. Their special geometry ensures that the marking remains in place even in the event of impact and vibration in machines and systems.

The combination of printing system and marking material ensures high quality with regard to the appearance, wipe and scratch resistance.

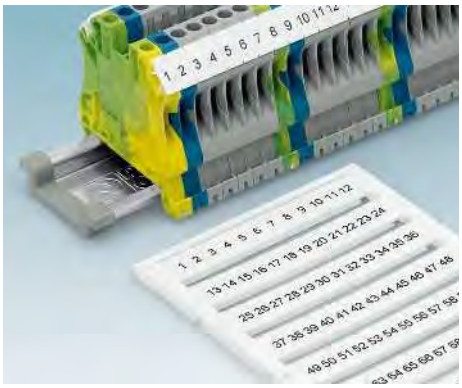
Depending on the application and material for individual marking, the following marking systems can be used:

– TOPMARK NEO, laser marker for marking UniCard formats
– BLUEMARK ID and BLUEMARK ID COLOR, high-speed printer with UV LED technology for marking UniCard and UniSheet formats
– THERMOMARK CARD 2.0 and THERMOMARK PRIME, thermal transfer card printer for marking UniSheet and UniCard formats
– THERMOMARK ROLL 2.0, thermal transfer roll printer for marking material off the roll and continuous media
– THERMOMARK ROLLMASTER 300 and ROLLMASTER 600, industrial thermal transfer roll printer for large printing volumes of rolls and continuous media
– THERMOFOX, thermal transfer printer in handheld format, for marking labels in continuous format
– PLOTMARK, marking plotter for marking UniCard formats and strip formats
– Standard desktop laser printer, for marking material in sheet format

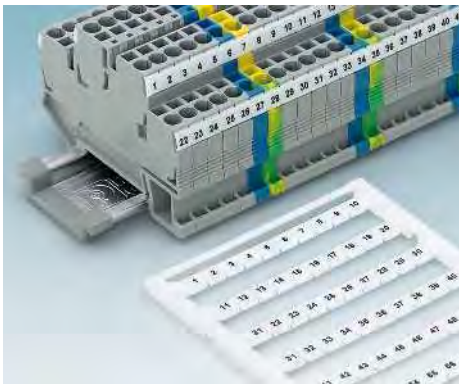
The PROJECT complete software is available for the easy and efficient production of markings. The marking data generated can be imported from CAE systems, Excel or word processing programs using the data exchange manager included in PROJECT complete. In addition to automatic data transfer, there is also the option of manual input. The print files are then automatically forwarded to the corresponding marking systems and processed.

If you do not have the option of creating markings yourself, you can turn to our marking service. We will be happy to handle your printing orders.

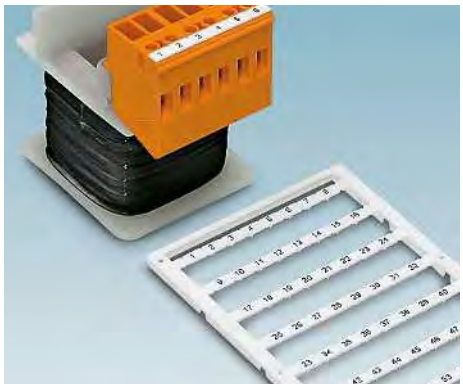
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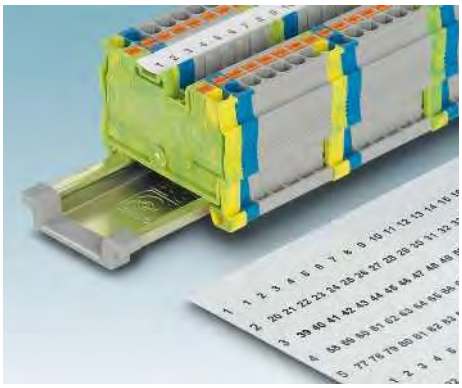
Markers are available in UniCard and UniSheet format for marking terminal blocks with a vertical marker groove. They can be supplied unprinted or printed in accordance with customer requirements.



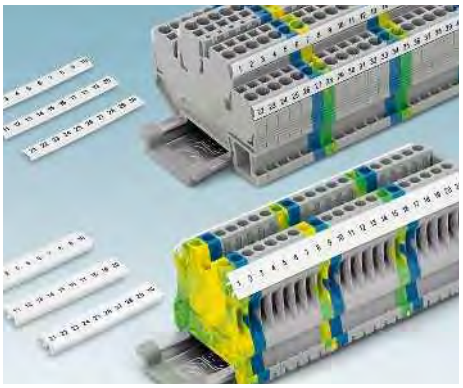
Markers are available in UniCard and UniSheet format for terminal blocks, modules, and connectors with a flat marker groove. They can be supplied unprinted or printed in accordance with customer requirements.



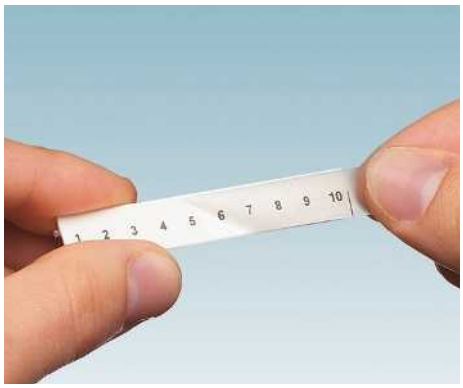
Miniature terminal blocks/transformer terminal blocks have neither a flat nor tall marker groove. Special markers are available in UniCard format for marking these terminal blocks.



The universal marker groove can be marked with markers in UniSheet format. These are available unprinted or printed in accordance with customer requirements.



10-section zack marker strips are available in tall and flat versions. They are used to mark terminal blocks, modules or connectors and can be supplied unprinted or printed.



Unmarked zack marker strips can accommodate printed marker strips. Once printed, the self-adhesive strip is simply stuck onto the zack marker strip.



The marker strips can be used in both tall and flat marker grooves. They can be easily separated by hand since they are pre-perforated for the pitch.



Self-adhesive marker strips can be applied to all PCB terminal blocks and COMBICON connectors. They can be supplied printed on cards or unprinted on a roll.



Markers are available in both UniCard and UniSheet format for marking terminal blocks from other manufacturers.

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Terminal marking for Phoenix Contact



		ZB... see from page 116								
			0829414	1050004	1051003	1054000	1052002	1053001	0812120	0827461
		UC-TM... see from page 110								
				0818108	0818085		0818072	0818069	0819194	0819217
		UCT-TM... see from page 132								
		0803666	0829484	0828734	0828736	0828738	0828740	0829142	0829144	0829146
		TMT... see from page 140								
				0816430	0816498		0816553	0816210		
	Pitch	U (3,5x7)	3.5	5	6	7.62	8	10	12	16
Push-in connection terminal blocks		**Tall marker groove**								
PT 1,5/S ...	3.5		■							
PT 2,5 ...	5		■	■						
PT 4 ...	6		■	■	■					
PT...4-HESI ...	6		■	■	■					
PT 6 ...	8		■	■	■	■	■			
PT 10 ...	10		■	■	■	■	■	■		
PT 16...TWIN ...	12		■	■	■	■	■	■	■	
PTB 2,5 ...	5		■	■						
PTC 2,5 ...	5		■	■						
PTI 4 ...	6		■	■	■					
PTI 6 ...	8		■	■	■	■	■			
PTIO 1,5/S ...	3.5	■								
PTIO-IN ...	7		■	■	■					
PTME...4 ...	6		■	■	■					
PTME...6 ...	8		■	■	■	■	■			
PTN 2,5 ...	5		■	■						
PTN 4 ...	6		■	■	■					
PTN 6 ...	8		■	■	■	■	■			
PTPOWER 35 ...	16		■	■	■	■	■	■	■	■
PTPOWER 50 ...	20		■	■	■	■	■	■	■	■

US-TM 100	
0829255	
TMT...	
100 R	(Ex9,5)R
0816605	0828295
Continuous	
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■
■	■

■ The pitch of the terminal block corresponds to the width of the label

■ The pitch of the terminal block is greater than the width of the label

■ Continuous media, can be shortened to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZBF... see from page 126									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF... see from page 112									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 134									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT... R... see from page 140									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Push-in connection terminal blocks		**Flat marker groove**									
MPT 1,5/S ...	3.5	■									
MPT 2,5 ...	5	▪	▪	■							
PT 1,5/S ...	3.5	■									
PT 1,5/S-3L	3.5	■									
PT 1,5/S-PE ...	3.5	■									
PT 2,5 ...	5	▪	▪	■							
PT 2,5-3L	5	▪	▪	■							
PT 2,5-PE/L/L	5	▪	▪	■							
PT 4 ...	6	▪	▪	▪	■						
PT 4-FSI ...	6	▪	▪	▪	■						
PT 4-MT ...	6	▪	▪	▪	■						
PT 4-TG ...	6	▪	▪	▪	■						
PT...4-HESI ...	6	▪	▪	▪	■						
PT 6 ...	8	▪	▪	▪	▪	▪	■				
PT 10 ...	10	▪	▪	▪	▪	▪	▪	■			
PT 10,3-HESI ...	10.3	▪	▪	▪	▪	▪	▪	▪			
PT 16...TWIN ...	12	▪	▪	▪	▪	▪	▪	▪	■		
PTB 2,5 ...	5	▪	▪	■							
PTC 2,5 ...	5	▪	▪	■							
PTI 2,5 ...	5	▪	▪	■							
PTI 4 ...	6	▪	▪	▪	■						
PTI 4-L ...	6	▪	▪	▪	■						
PTI 4-PE ...	6	▪	▪	▪	■						
PTI 6 ...	8	▪	▪	▪	▪	▪	■				
PTIO 1,5/S ...	3.5	■									
PTIO-IN ...	7	▪	▪	■							
PTME...4 ...	6	▪	▪	▪	■						
PTME...6 ...	8	▪	▪	▪	▪	▪	■				
PTN 2,5 ...	5	▪	▪	■							
PTN 4 ...	6	▪	▪	▪	■						
PTN 6 ...	8	▪	▪	▪	▪	▪	■				
PTPOWER 35 ...	16	▪	▪	▪	▪	▪	▪	▪	▪	■	
PTPOWER 50 ...	20	▪	▪	▪	▪	▪	▪	▪	▪	▪	

■ **The pitch of the terminal block corresponds to the width of the label**

▪ **The pitch of the terminal block is greater than the width of the label**

Continuous media, can be shortened to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZB ...see from page 116									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM...see from page 110									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 132									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT ...see from page 140									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Push-in connection terminal blocks		**Tall marker groove**									
PTPOWER 95 ...	25										
PTPOWER 150 ...	31										
PTS 1,5/S ...	3.5										
PTS 2,5 ...	5										
PTTBS 1,5/S ...	3.5										
PTTBS 2,5 ...	5										
PTU 2,5 ...	5										
PTU 4 ...	6										

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label

Continuous material can be cut to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZBF... (see pages from 126									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 112									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 134									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 140									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Push-in connection terminal blocks		**Flat marker groove**									
PTPOWER 95 ...	25										
PTPOWER 150 ...	31										
PTS 1,5/S ...	3.5										
PTS 2,5 ...	5										
PTT 1,5/S	3.5										
PTT 2,5 ...	5										
PTTB 1,5/S ...	3.5										
PTTB 2,5 ...	5										
PTTB 4 ...	6										
PTTBS 1,5/S ...	3.5										
PTTBS 2,5 ...	5										
PTU 2,5 ...	5										
PTU 4 ...	6										
PTU 4-MT ...	6										
PTU 4-TG ...	6										
PTU...6 ...	8										

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label

Continuous material can be cut to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZB... see from page 116									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM... see from page 110									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 132									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT... see from page 140									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Screw terminal blocks		**Tall marker groove**									
DFK 4 ...	6				■						
DFK 5 ...	9.5										
DIK ...1,5 ...	6				■						
DLK ...	6				■						
DOK ...1,5 ...	6				■						
GTF 76	22.5										
HDFK ... 50 ...	18.8										
HDFK ... 95 ...	25										
MBK 6 ...	8						■				
MBKKB 2,5 ...	5			■							
MSLKG 6 ...	8						■				
MTK ...	5			■							
OTTA 2,5 ...	9										
OTTA 2,5-PE	10										
OTTA 6 ...	11										
OTTA 6-PE	12										
OTTA 25 ...	18										
PIK 4 ...	6				■						
PIK 6 ...	8						■				
SLKK 5 ...	6				■						
SSK 0525 KER-EX	6				■						
SSK 110 KER-EX	8.4										
SSK 116 KER-EX	10.4										
SSK 135 KER-EX	15.3										
UDK 3 ...	5			■							
UDK 4 ...	6				■						
UDMTK 5 ...	6				■						
UGSK ...	8						■				
UHK 4 ...	6				■						
UHSK/S 2000 ...	10							■			

■ The pitch of the terminal block corresponds to the width of the label

■ The pitch of the terminal block is greater than the width of the label

■ Continuous media, can be shortened to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZBF... see from page 126									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF... see from page 112									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 134									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT... R... see from page 140									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Screw terminal blocks		**Flat marker groove**									
DFK 4 ...	6				■						
DFK 5 ...	9.5										
DIK ...1,5 ...	6				■						
DLK ...	6				■						
DOK ... 1,5 ...	6				■						
GTF 76	22.5										
HDFK ... 50 ...	18.8										
HDFK ... 95 ...	25										
MBK 6 ...	8										
MBKKB 2,5 ...	5			■							
MSLKG 6 ...	8										
MT 1,5 ...	4		■								
MTK ...	5			■							
MTTB 1,5 ...	4		■								
MUT 2,5 ...	5			■							
MUT 4 ...	6				■						
OTTA 2,5 ...	9										
OTTA 2,5-PE	10										
OTTA 6 ...	11										
OTTA 6-PE	12										
OTTA 25 ...	18										
PIK 4 ...	6				■						
PIK 6 ...	8										
SLKK 5 ...	6				■						
SSK 0525 KER-EX	6				■						
SSK 110 KER-EX	8.4										
SSK 116 KER-EX	10.4										
SSK 135 KER-EX	15.3										
UDK 3 ...	5			■							
UDK 4 ...	6				■						
UDMTK 5 ...	6				■						
UGSK ...	8										
UHK 4 ...	6				■						
UHSK/S 2000 ...	10										

■ The pitch of the terminal block corresponds to the width of the label

■ The pitch of the terminal block is greater than the width of the label

■ Continuous media, can be shortened to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZB... see from page 116									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM... see from page 110									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 132									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT... see from page 140									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Screw terminal blocks		**Tall marker groove**									
UIK ... 16 ...	12								■		
UIK ... 35 ...	15.2										
UISLKG 16 ...	12								■		
UISLKG 35 ...	12										
UK 1,5 ...	4		■								
UK 2,5 ...	5			■							
UK 3 ...	5			■							
UK 4 ...	6				■						
UK 5 ...	6				■						
UK 5-HESI ...	8				■						
UK 5-MTD ...	8					■					
UK 6 ...	8						■				
UK 6,3-HESI ...	10.2										
UK 6-FSI ...	8						■				
UK 6-HEDI ...	8				■						
UK 10 ...	10							■			
UK 10-DREHSI ...	12								■		
UK 10,3 ... HESI ...	18										
UK 16 ...	12								■		
UK 35 ...	16									■	
UKD 6 ...	8						■				
UKH 50 ...	20										
UKH 70 ...	20.3										
UKH 95 ...	25										
UKH 150 ...	31										
UKH 240 ...	36										
UKK ... 3 ...	5			■							
UKK 4 ...	6				■						
UKK ...5 ...	6				■						
UKK 5-HESI ...	8						■				
UKK ...10 ...	10							■			
UKN 2,5 ...	6				■						
UKN 5 ...	6				■						
UKN 6 ...	8						■				

■ The pitch of the terminal block corresponds to the width of the label

■ The pitch of the terminal block is greater than the width of the label

■ Continuous media, can be shortened to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZBF... see from page 126									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF... see from page 112									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 134									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT... R... see from page 140									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Screw terminal blocks		**Flat marker groove**									
UIK ... 16 ...	12								■		
UIK ... 35 ...	15.2										
UISLKG 16 ...	12								■		
UISLKG 35 ...	12										
UK 1,5 ...	4		■								
UK 2,5 ...	5			■							
UK 3 ...	5			■							
UK 4 ...	6				■						
UK 5 ...	6				■						
UK 5-HESI ...	8				■						
UK 5-MTD ...	8					■					
UK 6 ...	8						■				
UK 6,3-HESI ...	10.2										
UK 6-FSI ...	8						■				
UK 6-HEDI ...	8				■						
UK 10 ...	10							■			
UK 10-DREHSI ...	12								■		
UK 10,3 ... HESI ...	18										
UK 16 ...	12								■		
UK 35 ...	16									■	
UKD 6 ...	8						■				
UKH 50 ...	20										
UKH 70 ...	20.3										
UKH 95 ...	25										
UKH 150 ...	31										
UKH 240 ...	36										
UKK ... 3 ...	5			■							
UKK 4 ...	6				■						
UKK ...5 ...	6				■						
UKK 5-HESI ...	8						■				
UKK ...10 ...	10							■			
UKN 2,5 ...	6				■						
UKN 5 ...	6				■						
UKN 6 ...	8						■				

■ The pitch of the terminal block corresponds to the width of the label

■ The pitch of the terminal block is greater than the width of the label

■ Continuous media, can be shortened to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZB... see from page 116									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM... see from page 110									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 132									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT... see from page 140									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Screw terminal blocks		**Tall marker groove**									
UKN 10 ...	8										
UKN 16 ...	12										
UKN 35 ...	15										
UK-SI ...	8										
UR ... K ...	8										
USIG ...	10										
USK 4 ...	6										
USLKG 1,5 ...	4										
USLKG 2,5 ...	5										
USLKG 3 ...	5										
USLKG 5 ...	6										
USLKG 6 ...	8										
USLKG 10 ...	10										
USLKG 16 ...	12										
USLKG 35 ...	16										
USST ... 4 ...	6										
USST ... 6 ...	8										
USST ... 10 ...	10										
UT ... 2,5 ...	5										
UT ... 4 ...	6										
UT 4-...HE...I ...	6										
UT ... 6 ...	8										
UT ... 10 ...	10										
UT ... 16 ...	12										
UT ... 35 ...	16										
UVKB 4 ...	6										
UW ... 4 ...	8										
UW ... 10 ...	10										
UW ... 16 ...	12										
UW ... 25 ...	15										
UXKK 4 ...	6										
VBST ... 4 ...	6										
VIOK ...1,5 ...	6										

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label

Continuous media, can be shortened to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZBF... see from page 126									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF... see from page 112									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 134									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT... R... see from page 140									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Screw terminal blocks		**Flat marker groove**									
UKN 10 ...	8										
UKN 16 ...	12										
UKN 35 ...	15										
UK-SI ...	8										
UR ... K ...	8										
USIG ...	10										
USK 4 ...	6										
USLKG 1,5 ...	4										
USLKG 2,5 ...	5										
USLKG 3 ...	5										
USLKG 5 ...	6										
USLKG 6 ...	8										
USLKG 10 ...	10										
USLKG 16 ...	12										
USLKG 35 ...	16										
USST ... 4 ...	6										
USST ... 6 ...	8										
USST ... 10 ...	10										
UT ... 2,5 ...	5										
UT ... 4 ...	6										
UT 4-...HE...I ...	6										
UT ... 6 ...	8										
UT ... 10 ...	10										
UT ... 16 ...	12										
UT ... 35 ...	16										
UVKB 4 ...	6										
UW ... 4 ...	8										
UW ... 10 ...	10										
UW ... 16 ...	12										
UW ... 25 ...	15										
UXKK 4 ...	6										
VBST ... 4 ...	6										
VIOK ...1,5 ...	6										

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label

Continuous media, can be shortened to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZB... see from page 116									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM... see from page 110									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 132									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT... see from page 140									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Spring-cage connection terminal blocks		**Tall marker groove**									
SGSK 6 ...	8						■				
SRDK 6 ...	8						■				
SRTK 6 ...	8						■				
ST 1,5 ...	4		■								
ST 1,5/S ...	3.5	■									
ST 2,5 ...	5			■							
ST 2,5-PE/3L	5			■							
ST 35 ...	16									■	
ST 4 ...	6									■	
ST 4-MT	6				■						
ST 6 ...	8						■				
ST 10 ...	10							■			
ST 16 ...	12								■		
STI 2,5 ...	5			■							
STI 4 ...	6				■						
STIO 2,5 ...	5			■							
STME... 6 ...	8						■				
STN 2,5 ...	5			■							
STN 4 ...	6				■						
STN 10 ...	10							■			
STN 16 ...	12								■		
STN 35 ...	16									■	
STS 2,5 ...	5			■							
STS 4 ...	6				■						
STS 6 ...	8						■				

■ The pitch of the terminal block corresponds to the width of the label

■ The pitch of the terminal block is greater than the width of the label

■ Continuous media, can be shortened to the pitch of the terminal block

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Terminal marking for Phoenix Contact



		ZBF... see from page 126									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF... see from page 112									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 134									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT... R... see from page 140									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Spring-cage connection terminal blocks		**Flat marker groove**									
MS ... 2,5 ...	5										
MZFKK ...1,5 ...	5										
SGSK 6 ...	8										
SRDK 6 ...	8										
SRTK 6 ...	8										
ST 1,5 ...	4										
ST 1,5/S ...	3.5										
ST 2,5 ...	5										
ST 2,5-3L ...	5										
ST 2,5-PE/3L	5										
ST 2,5-PE/L/N	5										
ST 35 ...	16										
ST 4 ...	6										
ST 4-MT	6										
ST 4-TG ...	6										
ST 6 ...	8										
ST 10 ...	10										
ST 16 ...	12										
STI 2,5 ...	5										
STI 4 ...	6										
STI 10 ...	10										
STI 16 ...	12										
STIO 2,5 ...	5										
STIO-IN 2,5 ...	5										
STME... 6 ...	8										
STN 2,5 ...	5										
STN 4 ...	6										
STN 10 ...	10										
STN 16 ...	12										
STN 35 ...	16										
STS 2,5 ...	5										
STS 4 ...	6										
STS 6 ...	8										

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label

Continuous media, can be shortened to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZB ...see from page 116									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM...see from page 110									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 132									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT ...see from page 140									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Spring-cage connection terminal blocks		**Tall marker groove**									
STTBS 2,5 ...	5			■							
STTBS 4 ...	6				■						
STU 2,5 ...	5			■							
STU 4 ...	6				■						
STU 10 ...	10							■			
STU 35 ...	16									■	
ZFK 6-DREHSI ...	12								■		
ZGSK ...	8						■				
ZR ...	8						■				
ZRV ...	7.62					■					
Fast connection terminal blocks		**Tall marker groove**									
QTC 1,5 ...	5			■							
QTC 2,5 ...	6				■						
QTCS 1,5 ...	5			■							
QTCS 2,5 ...	6				■						
QTCU 1,5 ...	5			■							
QTCU 2,5 ...	6				■						

■ The pitch of the terminal block corresponds to the width of the label

■ The pitch of the terminal block is greater than the width of the label

■ Continuous material can be cut to the pitch of the terminal block

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Terminal marking for Phoenix Contact



		ZBF... (see pages from 126									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 112									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 134									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 140									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Spring-cage connection terminal blocks		**Flat marker groove**									
STTB 1,5 ...	4										
STTB 2,5 ...	5										
STTB 4 ...	6										
STTBS 2,5 ...	5										
STTBS 4 ...	6										
STTBU 4 ...	6										
STU 2,5 ...	5										
STU 4 ...	6										
STU 10 ...	10										
STU 35 ...	16										
ZDMTK 2,5 ...	5										
ZFK 6-DREHSI ...	12										
ZFKK 2,5 ...	6										
ZGSK ...	8										
ZPV ...	5										
ZR ...	8										
ZRV ...	7.62										
Fast connection terminal blocks		**Flat marker groove**									
QTC 1,5 ...	5										
QTC 2,5 ...	6										
QTCS 1,5 ...	5										
QTCS 2,5 ...	6										
QTCU 1,5 ...	5										
QTCU 2,5 ...	6										
QTCU 2,5-TWIN-MT	6										
QTTCB ... 1,5 ...	5										

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label

Continuous material can be cut to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZB ...see from page 116									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM...see from page 110									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 132									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT ...see from page 140									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Plug-in connection solutions		**Tall marker groove**									
PPCT 6 ...	8										
PT 1,5 ... P ...	3.5										
PT 2,5 ... P ...	5										
PT 4 ... P ...	6										
PT 6 ... P ...	8										
PTME 6 ...1P ...	8										
PTMED 6 ...1P ...	8										
PTS 1,5 ...1P ...	3.5										
PTTB 1,5 ...4P ...	3.5										
PTTBS 1,5 ...2P ...	3.5										
PTTBS 2,5 ...2P ...	5										
QTC 1,5 ...1P ...	5										
ST 2,5 ... P ...	5										

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label

Continuous material can be cut to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZBF ...see from page 126									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 112									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 134									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 140									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Plug-in connection solutions		**Flat marker groove**									
FC 4-PCB ...	78										
MPT 1,5 ...1P ...	3.5										
PPC 1,5 ...	3.5										
PPC 6 ...	8										
PPCT 6 ...	8										
PP-H 1,5 ...	3.5										
PP-H 2,5 ...	5										
PP-H 4 ...	6										
PP-H 6 ...	8										
PT 1,5 ... P ...	3.5										
PT 2,5 ... P ...	5										
PT 4 ... P ...	6										
PT 6 ... P ...	8										
PTME 6 ...1P ...	8										
PTMED 6 ...1P ...	8										
PTS 1,5 ...1P ...	3.5										
PTTB 1,5 ...2P ...	3.5										
PTTB 1,5 ...4P ...	3.5										
PTTB 2,5 ...2P ...	5										
PTTBS 1,5 ...2P ...	3.5										
PTTBS 2,5 ...2P ...	5										
QP 1,5 ...	5										
QTC 1,5 ...1P ...	5										
QTTCB 1,5 ...2P ...	5										
SC 2,5 ...	5										
SC 4 ...	6										
SP 4 ...	6										
SPB ... 2,5 ...	5										
SPH 2,5 ...	5										
SPV 2,5 ...	5										
ST 2,5 ... P ...	5										
ST 2,5-PCB ...	5										

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label

Continuous material can be cut to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZB ...see from page 116									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM...see from page 110									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 132									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT ...see from page 140									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Plug-in connection solutions		**Tall marker groove**									
ST 4 ... P ...	6										
STTB 2,5 ...4P ...	5										
UPCT 4 ...	12.4										
UT 2,5 ...1P...	5										
UT 4 ... P ...	6										
UT 6 ... P ...	8										
UTME 4 ...1P ...	6										

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label

Continuous material can be cut to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZBF ...see page 126									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 112									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 134									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 140									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Plug-in connection solutions		**Flat marker groove**									
ST 2,5-PCB ...	10.4			■							
ST 4 ... P ...	6				■						
ST 4-PCB ...	6				■						
STTB 2,5 ...2P ...	5			■							
STTB 2,5 ...4P ...	5			■							
UP 4 ...	6				■						
UP 6 ...	8					■					
UPBV 2,5 ...	5			■							
UPBV 4 ...	6				■						
UPCT 4 ...	12.4				■						
UT 2,5 ...1P...	5			■							
UT 4 ... P ...	6				■						
UT 6 ... P ...	8					■					
UTME 4 ...1P ...	6				■						
UTTB 2,5 ...2P ...	5			■							

■ The pitch of the terminal block corresponds to the width of the label

■ The pitch of the terminal block is greater than the width of the label

■ Continuous material can be cut to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZB ...see from page 116									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM...see from page 110									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 132									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT ...see from page 140									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Bolt connection terminal blocks		**Tall marker groove**									
HV M5 ...	13										
HV M6 ...	16										
HV M8 ...	21										
HV M10 ...	32										
HV M12 ...	32										
RBO 5 ...	13										
RBO 6 ...	17										
RBO 8 ...	29										
RBO 10 ...	41										
RBO 12 ...	49										
RBO 16 ...	54.9										
RSC 4 ...	9										
RSC 5 ...	13										
RSC 6 ...	17										
RT 3 ...	12										
RT 4 ...	12										
RT 5 ...	16										
RT 8 ...	20.3										
RTO 3 ...	12										
RTO 5 ...	16										
RTO 8 ...	20.3										
UHV 25 ...	26										
UHV 50 ...	32										
UHV 95 ...	40										
UHV 150 ...	46										
UHV 240 ...	53										

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label

Continuous material can be cut to the pitch of the terminal block

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Terminal marking for Phoenix Contact



		ZBF ...see page 126									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 112									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 134									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 140									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Bolt connection terminal blocks		**Flat marker groove**									
HV M5 ...	13										
HV M6 ...	16										
HV M8 ...	21										
HV M10 ...	32										
HV M12 ...	32										
RBO 5 ...	13										
RBO 6 ...	17										
RBO 8 ...	29										
RBO 10 ...	41										
RBO 12 ...	49										
RBO 16 ...	54.8										
RSC 4 ...	9										
RSC 5 ...	13										
RSC 6 ...	17										
RT 3 ...	12										
RT 4 ...	12										
RT 5 ...	16										
RT 8 ...	20.3										
RTO 3 ...	12										
RTO 5 ...	16										
RTO 8 ...	20.3										
UHV 25 ...	26										
UHV 50 ...	32										
UHV 95 ...	40										
UHV 150 ...	46										
UHV 240 ...	53										

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label

Continuous material can be cut to the pitch of the terminal block

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Terminal marking for ABB



		UCT6M-TM ... see from page 165		
		0830756	0830757	0830758
		UM6M-TM ... see from page 173		
		0830928	0830926	0830939
	Pitch	5	6	8
Screw connection terminal blocks			**Tall marker groove**	
CDS4 ...	5.2			
CDS4 ... R1	6			
ZDS4 ...	5.2			
ZDS4 ... R1	6			
ZS4 ...	5.2			
ZS4 ... R ...	6			
ZS4 ... SF1 ...	8			
ZS4-R1	8			
ZS4-SF ...	6			
ZS4-S-R3	8			
ZS6 ...	6			
ZS10 ...	8			
ZS16 ...	10			
ZS25 ...	12			
ZS35 ...	16			
ZS50 ...	16			
ZS70 ...	22			
ZS95 ...	26			
Spring-cage connection terminal blocks			**Tall marker groove**	
CDK2,5 ...	5.2			
CDK4 ...	6			
ZDK2,5 ...	5.2			
ZDK4 ...	6			
ZK2,5 ...	5.2			
ZK2,5 ... R1 ...	6			
ZK2,5 ... SF ...	6			
ZK4 ...	6			
ZK6 ...	8			
ZK10 ...	10			
ZK16 ...	12			

Pitch of Phoenix Contact marking material same as ABB

Pitch of Phoenix Contact marking material smaller than ABB

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Terminal marking for Allen Bradley / Rockwell



		UC1-TMF ...		UC1-TM...see from page 156						
		0821425	0821483	0821784		0821247		0821739		
		UCT1-TMF ...		UCT1-TM ... see from page 162						
		0829237	0829243	0829482		0829483				
		UM1-TMF ...		UM1-TM ... see from page 168						
		(5x5)	(6x5)	(5x10)	(5x12)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830902	0830904	0830905	0830912	0830903	0830909	0830906	0830920	0830916
	Pitch	5	6	5	5	6	6	8	8	12
Screw connection terminal blocks				**Flat marker groove**						
1492-J3	5.1									
1492-J3P	5.1									
1492-J4	6.1									
1492-J6	8.1									
1492-J10	10									
1492-J16	12									
1492-J35	16									
1492-JD3 ...	5.1									
1492-JD3P	5.1									
1492-JD4 ...	6.1									
1492-JG3	5.1									
1492-JG4	6.1									
1492-WTF3 ...	5.1									
1492-WTS3 ...	5.1									

Pitch of Phoenix Contact marking material same as Allen Bradley Rockwell

Pitch of Phoenix Contact marking material smaller than Allen Bradley Rockwell

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Terminal marking for Cabur



		UCT5-TM... see from page 164		
			0828750	0828752
		UM5-TM...see from page 173		
		(4x10)	(5x10)	(6x10)
		0830938	0830922	0830919
	Pitch	4	5	6
Screw connection terminal blocks			**Tall marker groove**	
AFO.2 ...	6.5			
CBC. 2 ...	5			
CBC.4 ...	6			
CBC.6 ...	8			
CBC.10 ...	10			
CBC.16 ...	12			
CBC.35 ...	16			
CBD.2 ...	5.5			
CBD.4 ...	6.5			
CBD.6 ...	8			
CBD.10 ...	10			
CBD.16 ...	12			
CBD.35 ...	16			
CBD.50 ...	18			
CBD.70 ...	20.5			
CBE.2 ...	5			
CBR.2 ...	5			
CDA.70 ...	27			
CDA.120 ...	32			
CDA.185 ...	38			
CNT.6 ...	8			
CNT.16 ...	12			
CNT.35 ...	16			
CPF/5 ...	6			
CVF.4 ...	7.5			
DAS.4 ...	6			
DBC.2 ...	5			
DSFA.4 ...	6			
DSS.4 ...	6			
EDM.2 ...	5.5			
EDM.4 ...	6.5			
EDM.6 ...	8			
EDM.10 ...	10			

Pitch of Phoenix Contact marking material same as Cabur

Pitch of Phoenix Contact marking material smaller than Cabur

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Terminal marking for Cabur



		UCT5-TM... see from page 164		
			0828750	0828752
		UM5-TM...see from page 173		
		(4x10)	(5x10)	(6x10)
		0830938	0830922	0830919
	Pitch	4	5	6
Screw connection terminal blocks		**Tall marker groove**		
EDM.16 ...	12			
EDM.25 ...	16			
EDM.35 ...	18.5			
EDM.70 ...	21			
FFS.4 ...	6.5			
FLD.10 ...	11			
FP ... 10 ...	12			
FVS.4 ...	6.5			
GPA.70 ...	20.5			
GPA.95 ...	26			
GPA.150 ...	31			
GPA.240 ...	37			
GPM.95 ...	32			
GPM.150 ...	42			
GPM.240 ...	52			
MAC.6 ...	8			
MPFA.4 ...	6			
MPS.2 ...	5.5			
MPS.4 ...	6			
RFI.2 ...	6			
RN. ...	8			
RP.4 ...	9			
SCB.6 ...	8			
SCB.10 ...	10.5			
SCX.10 ...	10.5			
SF ... 4	8			
SF ... 10	12			
SFR.6 ...	10			
SV.2 ...	5.5			
SV.4 ...	7			
SV.6 ...	8			
SV.10 ...	10.5			
TC ...	5.5			

Pitch of Phoenix Contact marking material same as Cabur

Pitch of Phoenix Contact marking material smaller than Cabur

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

Terminal marking for Cabur



		UCT5-TM... see from page 164		
			0828750	0828752
		UM5-TM...see from page 173		
		(4x10)	(5x10)	(6x10)
		0830938	0830922	0830919
	Pitch	4	5	6
Screw connection terminal blocks			**Tall marker groove**	
TDE.2 ...	6.2			
TE ... 2 ...	5.5			
TE ... 4 ...	6.5			
TE ..... 6 ...	8			
TE ... 10 ...	10			
TE ... 16 ...	12			
TE ... 35 ...	16			
TE ... 50 ...	18			
TE ... 70 ...	20.5			
TL ... 2 ...	6.2			
TR.2 ...	5			
TR.4 ...	7.3			
VL.16 ...	29			
VLM.10 ...	13			
VP ... 2 ...	5.08			
Push-in connection terminal blocks			**Tall marker groove**	
NCS	6.2			
NCV	6.2			

Pitch of Phoenix Contact marking material same as Cabur

Pitch of Phoenix Contact marking material smaller than Cabur

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Terminal marking for Cabur



		UCT5-TM... see from page 164		
			0828750	0828752
		UM5-TM...see from page 173		
		(4x10)	(5x10)	(6x10)
		0830938	0830922	0830919
	Pitch	4	5	6
Spring-cage connection terminal blocks			**Tall marker groove**	
CHP.2 ...	5.2			
HCD.1 ...	5.08			
HFR.4 ...	6.2			
HLD.2 ...	5.2			
HM ... 1 ...	4.2			
HM ... 2 ...	5.2			
HM ... 4 ...	6.2			
HM ... 6 ...	8.2			
HM ... 10 ...	10			
HM ... 16 ...	12			
HMF.4 ...	8			
HMR.16 ...	12.8			
HSCB.4 ...	6.2			
HTE.1 ...	4.2			
HTE.2 ...	5.2			
HTE.4 ...	6.2			
HTE.6 ...	8.2			
HTE.10 ...	10			
HTE.16 ...	12			
HTTE.2 ...	5.2			
HVPC.2 ...	5.2			
HVTE.2 ...	5.2			

Pitch of Phoenix Contact marking material same as Cabur

Pitch of Phoenix Contact marking material smaller than Cabur

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Terminal marking for CONTA-CLIP



		UC1-TMF ...					UC1-TM...see from page 156									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...					UCT1-TM... see from page 162									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ...					UM1-TM...see from page 168									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
BKA 2,5	5															
BKA 4	6															
BKA 10	8															
DLI ... 2,5	6															
FF 1/15	6															
FF 2,5	6															
IK ... 2,5	5															
KBL 2,5	5															
KBL 2,5-4	6															
KBL 6	8															
NT 2,5	6															
NT 6	8															
P ... K 10 ...	8															
RK 1,5	6															
RK 2,5	5															
RK 2,5-4	6															
RK 6	8															
RK 16	12															
RK 35	16															
RK 50	20															
RK 95	25															
RK 150	31															
RK 240	36															
RKB 4	6															
RKD 2,5	5															
RKD 4	6															

Pitch of Phoenix Contact marking material same as CONTA-CLIP

Pitch of Phoenix Contact marking material smaller than CONTA-CLIP

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Terminal marking for CONTA-CLIP



		UC1-TMF ...					UC1-TM...see from page 156									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...					UCT1-TM... see from page 162									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ...					UM1-TM...see from page 168									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(365x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
RKDG 4	6	■	■	■	■		■	■	■	■	■	■	■			
SF 2,5	6	■	■	■	■		■	■	■	■	■	■	■			
SIK 10 PA	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SIK 10/Z	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SK 1	12.2	■	■	■	■	■										
SL ... 2,5	6	■	■	■	■		■	■	■	■	■	■	■			
SL 4/15	7	■	■	■	■											
SL 4/35	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SL 10	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SL 16	12	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SL 35	16	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SMAG 4/2,5	5.9	■	■	■												
SMAG 6/4	6.6	■	■	■	■											
SMAG 10/6	8.3	■	■	■	■	■										
SPTK 10 ...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SRK ... 10 ...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SRK ... 2,5 ...	5	■	■	■			■	■	■	■						
SRK ... 4 ...	6	■	■	■	■		■	■	■	■	■	■	■			
SRK 6	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SRK 16	12.1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SRK 35	16.1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SRK 50	18.5	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SRK 70	20.5	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SRK 120	27	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SSIK 4	6.1	■	■	■	■											
SSIK 6	8.1	■	■	■	■	■										

■ **Pitch of Phoenix Contact marking material same as CONTA-CLIP**

■ **Pitch of Phoenix Contact marking material smaller than CONTA-CLIP**

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Terminal marking for CONTA-CLIP



		UC1-TMF ...					UC1-TM...see from page 156									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...					UCT1-TM... see from page 162									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ...					UM1-TM...see from page 168									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
SSL ... 2,5 ...	5															
SSL ... 4 ...	6															
SSL 6	8															
SSL ... 10 ...	10															
SSL 16	12.1															
SSL 35	16.1															
SSL 50	18.5															
SSL 70	20.5															
STA 5/1	5															
STK ... 1	8															
STK 2	8															
TK 2	8															
TK ... 4	7.5															
TKS 10	11.25															
TRK 1,5	6															
TSK 2,5	10															
VMAK 2,5	6															

Pitch of Phoenix Contact marking material same as CONTA-CLIP

Pitch of Phoenix Contact marking material smaller than CONTA-CLIP

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Terminal marking for CONTA-CLIP



		UC1-TMF ...					UC1-TM...see from page 156									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...					UCT1-TM... see from page 162									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ...					UM1-TM...see from page 168									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Push-in connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
FDLI ... 2,5	5.1															
FDLIS B 2,5	15.3															
FNT 2,5	5.1															
FNT 6	8.1															
FRK 1,5	4.1															
FRK ... 2,5	5.1															
FRK 4	6.1															
FRKI 6	8.1															
FSIK 4	6.1															
FSL 1,5	4.1															
FSL ... 2,5	5.1															
FSL 4	6.1															
FSLI 6	8.1															
FTRK 2,5	5.1															

Pitch of Phoenix Contact marking material same as CONTA-CLIP

Pitch of Phoenix Contact marking material smaller than CONTA-CLIP

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Terminal marking for CONTA-CLIP



		UC1-TMF ...					UC1-TM ... see from page 156									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...					UCT1-TM ... see from page 162									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ...					UM1-TM ... see from page 168									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Spring-cage connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
FIK 2,5 ...	5.1															
SL 4	6.1															
ZIKD 2,5	5.1															
ZIZA 1,5	5.1															
ZMP 1,5	5.1															
ZRK ... 2,5	5.1															
ZRK 4	6.1															
ZRK 6	8.1															
ZRK 10	10.1															
ZRK 16	12.1															
ZSL 2,5	5.1															
ZSL 4	6.1															
ZSL 6	8.1															
ZSL 10	10.1															
ZSL 16	12.1															
ZSLD 2,5	5.1															
ZSL ... 2,5	5.1															
ZSRK 2,5	5.1															
ZST 2,5	5.1															
ZSTK 2,5	5.1															
ZSTK 2,5 ...	5.1															
ZTRK 2,5	5.1															
ZVMAK 2,5	5.1															

Pitch of Phoenix Contact marking material same as CONTA-CLIP

Pitch of Phoenix Contact marking material smaller than CONTA-CLIP

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Terminal marking for CONTA-CLIP



		UC1-TMF ...					UC1-TM ... see from page 156									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...					UCT1-TM ... see from page 162									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ...					UM1-TM ... see from page 168									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Bolt connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
HSK 16	13															
HSK 35	16															
HSK 50	21															
HSK 70	40															
HSK 95	40															
HSK 120	32															
HSK 150	50															
HSK 240	50															
HSKG 35 ...	27															
HSKG 70 ...	32															
HSKG 120 ...	42															
HSKG 185 ...	55															
HSKG 300 ...	55															

Pitch of Phoenix Contact marking material same as CONTA-CLIP

Pitch of Phoenix Contact marking material smaller than CONTA-CLIP

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Terminal marking for Entrelec



		UC1-TMF … see from page 157			UC2F-TM … see from page 159		
		0821425	0821483	0821548	0822181	0822194	0822204
		UCT1-TMF … see from page 162			UCT6R-TM … see from page 166		
		0829237	0829243		0830753	0830754	0830755
		UM1-TMF … see from page 171			UM6R-TM … see from page 174		
		(5x5)	(6x5)	(8x5)	(5x10)	(6x10)	(8x10)
		0830902	0830904	0830924	0830923	0830921	0830932
	Pitch	5	6	8	5	6	8
Screw connection terminal blocks		**Flat marker groove**			**Tall marker groove**		
D1/5 … ADO …	5						
D1,5/6 … ADO …	6						
D1,5/8 … ADO …	8						
D2,5/5 …ADO …	5						
D2,5/6 …	6						
D2,5/8 … ADO …	8						
D4/6 …	6						
D4/6 … ADO …	6						
D4/6 … LNTP …	17.8						
D4/8 … ADO …	8						
D6/8 …	8						
D6/8 … ADO …	8						
D6/10 …	10						
DB1,5/8 … ADO …	6						
DB2,5/5 … ADO …	5						
DB2,5/8 … ADO …	8						
DB4/6 … ADO …	6						
DB4/8 … ADO …	8						
DH1,5/6 … ADO …	6						
DH4/6 … ADO …	6						
DR1,5/5 …	5						
DR1,5/6 … ADO …	6						
DR2,5/5 …	5.08						
DR2,5/8 … ADO …	8						
DR2,5/10 …	10						
DR4/6 …	6						
DR4/8 …	8						
DRE1,5/5 … ADO …	5						
DRE1,5/6 … ADO …	6						
DRE2,5/5 … ADO …	5						
DRE2,5/8 … ADO …	8						
DRE4/6 … ADO …	6						
DRE4/8 … ADO …	8						

Pitch of Phoenix Contact marking material same as Entrelec

Pitch of Phoenix Contact marking material smaller than Entrelec

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Terminal marking for Entrelec



		UC1-TMF … see from page 157			UC2F-TM … see from page 159		
		0821425	0821483	0821548	0822181	0822194	0822204
		UCT1-TMF … see from page 162			UCT6R-TM … see from page 166		
		0829237	0829243		0830753	0830754	0830755
		UM1-TMF … see from page 171			UM6R-TM … see from page 174		
		(5x5)	(6x5)	(8x5)	(5x10)	(6x10)	(8x10)
		0830902	0830904	0830924	0830923	0830921	0830932
	Pitch	5	6	8	5	6	8
Screw connection terminal blocks		**Flat marker groove**			**Tall marker groove**		
DS1,5/6 … ADO …	6						
DS2,5/5 … ADO …	5						
DS2,5/8 … ADO …	8						
DS4/6 … ADO …	6						
DS4/8 … ADO …	8						
DSE1,5/6 … ADO …	6						
DSE2,5/5 … ADO …	5						
DSE2,5/8 … ADO …	8						
DSE4/6 … ADO …	6						
DSE4/8 … ADO …	8						
M4/6 …	6						
M6/8 …	8						
M10/10 …	10						
M16/12 …	12						
M35/16 …	17						
M35/26 …	26						
M70/31 …	31						
M120/35 …	35						
M300/42 …	42						
MA2,5/5 …	5.08						
MS4/6 …	6						
MS6/8 …	8						
MTC6 …	6						

Pitch of Phoenix Contact marking material same as Entrelec

Pitch of Phoenix Contact marking material smaller than Entrelec

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenseng.com - www.stevenengineering.com

Terminal marking for Entrelec



		UC1-TMF … see from page 157			UC2F-TM … see from page 159		
		0821425	0821483	0821548	0822181	0822194	0822204
		UCT1-TMF … see from page 162			UCT6R-TM … see from page 166		
		0829237	0829243		0830753	0830754	0830755
		UM1-TMF … see from page 171			UM6R-TM … see from page 174		
		(5x5)	(6x5)	(8x5)	(5x10)	(6x10)	(8x10)
		0830902	0830904	0830924	0830923	0830921	0830932
	Pitch	5	6	8	5	6	8
Spring-cage connection terminal blocks		**Flat marker groove**			**Tall marker groove**		
D2,5/5 … L …	5	■					
D2,5/5 … D …	5	■			■		
D4/6 … L …	6	■	■		■	■	
D6/8 … L …	8	■	■	■	■	■	■
D10/10 … L …	10	■	■	■	■	■	■
DB2,5/5 … L …	5	■					
DH2,5/5 … L …	5	■					
DR2,5/5 … L …	5	■					
DR2,5/10 … L …	10	■	■	■			
DS2,5/5 … L …	5	■					
DS2,5/10 … L …	10	■	■	■			
M4/6 … D2 …	6				■	■	

Bolt connection terminal blocks		**Flat marker groove**			**Tall marker groove**		
M6/9 …	9.5				■	■	■
M6/12 …	12.5				■	■	■
M6/13 …	13				■	■	■

■ Pitch of Phoenix Contact marking material same as Entrelec

■ Pitch of Phoenix Contact marking material smaller than Entrelec

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Terminal marking for Klemsan



		UC1-TMF ... see from page 157					UC1-TM ... see from page 156									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... see from page 162					UCT1-TM ... see from page 162									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ... see from page 171					UM1-TM ... see from page 168									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830903	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
ASK 2...	8					■								■	■	
ASK 3...	6.2				■						■	■	■			
ASK 4 LD...	10															
ASK 4 S...	10															
ASK 5...	8					■								■	■	
AVK 2,5...	5			■				■	■	■						
AVK 2,5 CCA...	6				■						■	■	■			
AVK 2,5 EA...	6				■						■	■	■			
AVK 2,5 F...	6				■						■	■	■			
AVK 2,5 T RD	5.75															
AVK 2,5/4...	6				■						■	■	■			
AVK 4...	6				■						■	■	■			
AVK 4 B...	10															
AVK 4 FS...	8					■								■	■	
AVK 4 T RD	6.2				■						■	■	■			
AVK 6...	8					■								■	■	
AVK 10...	10															
AVK 12 ...	12															■
AVK 16...	12															■
AVK 25...	12															■
AVK 35...	16															
AVK 50 ...	20															
AVK 70 ...	22															
AVK 95 ...	25															
AVK 150 ...	31															
AVK 240 ...	36															
AVK AS ...	5.8															
AVK SKT ...	5.8															
AVK Y 4...	6				■						■	■	■			
AVK Y 6...	8					■								■	■	
AVK Y 10...	10															
MVK 2,5...	5			■												
MVK 4...	6				■											
PB 2,5 ...	9															

■ Pitch of Phoenix Contact marking material same as Klemsan

■ Pitch of Phoenix Contact marking material smaller than Klemsan

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Terminal marking for Klemsan



		UC1-TMF ... 157					UC1-TM ... see from page 156									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 162					UCT1-TM ... see from page 162									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ... 171					UM1-TM ... see from page 168									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830903	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
PB 2,5T ...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
PB 6 ...	11	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
PB 6T ...	12	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
PB 25 ...	18	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
PIK 2,5 N...	8	■	■	■			■	■	■	■						
PIK 10 N...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
PIK 4 ...	6	■	■	■	■		■	■	■	■	■	■	■			
PUK ...	6	■	■	■	■		■	■	■	■	■	■	■			
WG-EKI	7	■	■	■	■		■	■	■	■	■	■	■			
WGL 1...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO 1...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO 2...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO 3...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO 4...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO 5 ...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO PB...6...	11	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO Y...6...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Bolt connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
AVK 95 B...	40						■	■	■	■	■	■	■	■	■	■
AVK 150 B...	48						■	■	■	■	■	■	■	■	■	■
AVK 240 B...	53						■	■	■	■	■	■	■	■	■	■
AVK PB 50...	20						■	■	■	■	■	■	■	■	■	■
AVK PB 70...	22						■	■	■	■	■	■	■	■	■	■
AVK PB 95...	25						■	■	■	■	■	■	■	■	■	■
AVK PB 150...	31						■	■	■	■	■	■	■	■	■	■
AVK PB 240...	36						■	■	■	■	■	■	■	■	■	■
CPB 6...	9.5	■	■	■	■	■										
CPB 6B...	13	■	■	■	■	■										
PB 6...	11						■	■	■	■	■	■	■	■	■	

■ Pitch of Phoenix Contact marking material same as Klemsan

■ Pitch of Phoenix Contact marking material smaller than Klemsan

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Terminal marking for Klemsan



		UC1-TMF ... 157					UC1-TM ... see from page 156									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 162					UCT1-TM ... see from page 162									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ... 171					UM1-TM ... see from page 168									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830903	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Spring-cage connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
MY ... K 2,5...	5	■	■	■												
MYVR 2,5	5	■	■	■												
MYVR 2,5 C	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
PCY 2,5...	5.05	■	■	■			■	■	■	■						
PYK 1,5...	4.2	■	■				■									
PYK 2,5...	5	■	■	■			■	■	■	■						
PYK 3 S...	5	■	■	■			■	■	■	■						
PYK 4...	6	■	■	■	■		■	■	■	■	■	■	■			
PYK 4 I...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
PYK 4 S...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
PYK 6...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
PYK 10...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
PYK 16 ...	12	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
PYK TEST	5	■	■	■			■	■	■	■						
PYKM 2,5...	5	■	■	■												
PYKMR 2,5...	5						■	■	■	■						
TRV 4 ...	7.5	■	■	■	■											
TRV 4 M ...	15	■	■	■	■	■										
TRV 4 S ...	12.5	■	■	■	■	■										
TRV 4 T ...	12	■	■	■	■	■										
TRV 10 ...	22	■	■	■	■	■										
YBK 2,5...	5	■	■	■			■	■	■	■						
YBK 3 S...	5	■	■	■			■	■	■	■						
YBK 4...	6	■	■	■	■		■	■	■	■	■	■	■			
YBK 6...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
YBK 10...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
YBK I...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
YBK S...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

■ **Pitch of Phoenix Contact marking material same as Klemsan**

■ **Pitch of Phoenix Contact marking material smaller than Klemsan**

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Terminal marking for Legrand



		UM7-TM...see from page 175		
		(5x10)	(6x10)	(8x10)
		0830933	0830931	0830945
	Pitch	5	6	8
Screw connection terminal blocks			**Tall marker groove**	
0371 ...	5			
0371 ...	6			
0371 ...	8			
0371 ...	10			
0371 ...	12			
0371 ...	15			
0371 ...	22			

Spring-cage connection terminal blocks			**Tall marker groove**	
0372 ...	5			
0372 ...	6			
0372 ...	8			
0372 ...	10			
0372 ...	12			

Pitch of Phoenix Contact marking material same as Legrand

Pitch of Phoenix Contact marking material smaller than Legrand

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Terminal marking for Wago



		UC1-TMF ...					UC2-TM ...					US2-TM ...
			0821360	0821425	0821483	0821548		0821713	0821690	0821674	0821755	0829268
		UCT1-TMF ...					UCT2-TM ...					
				0829237	0829243				0829249	0829249		
		UM1-TMF ...					UM2-TM ...					TMT2 ...
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x10)	(4x10)	(5/6x10)	(5/6x10)		(Ex11)R
		0830935		0830902	0830904	0830924	0830936	0830934	0830911	0830911		0802683
	Pitch	3.5	4	5	6	8	3.5	4	5	6	8	Continuous
Spring-cage connection terminal blocks		**Flat marker groove**					**Tall marker groove**					
2000-1 ..., 2000-2 ...	3.5	■					■					
2000-2 ..., 2001-1 ..., 2001-5 ...	4	■	■				■	■				
2001-5 ..., 2002-1 ...	5	■	■	■			■	■	■			
2002-1 ...	6	■	■	■	■		■	■	■	■		
2002-2 ...	5	■	■	■			■	■	■			
2002-2 ...	6	■	■	■	■		■	■	■	■		
2002-3 ..., 2002-4 ..., 2002-6 ..., 2002-7 ..., 2003-6 ..., 2003-7 ...	5	■	■	■			■	■	■			
2003-9 ...	10.4	■	■	■	■	■	■	■	■	■		
2004-1 ..., 2004-5 ..., 2005-7 ...	6	■	■	■	■		■	■	■	■		
2006-1 ...	7.5	■	■	■	■		■	■	■	■		
2006-1 ...	10.4	■	■	■	■	■	■	■	■	■		
2006-1 ...	15	■	■	■	■	■	■	■	■	■		
2006-5 ...	7.5	■	■	■	■		■	■	■	■		
2006-7 ...	5	■	■	■			■	■	■			
2006-8 ...	15	■	■	■	■	■	■	■	■	■		
2006-9 ...	7.4						■	■	■	■		
2006-9 ...	10.4						■	■	■	■		
2007-8 ...	8	■	■	■	■	■	■	■	■	■	■	
2010-1 ..., 2010-5 ...	10	■	■	■	■	■	■	■	■	■		
2016-1 ...	12	■	■	■	■	■	■	■	■	■		
2016-7 ...	12						■	■	■	■		
2020-1 ..., 2020-2 ...	3.5	■					■					
2022-1 ..., 2022-2 ...	5	■	■	■			■	■	■			
249-1 ...	5	■	■	■			■	■	■			
249-1 ...	6	■	■	■	■		■	■	■	■		
261-4 ...	6	■	■	■	■							
264-1 ...	6	■	■	■	■							
264-1 ...	6	■	■	■	■		■	■	■	■		
264-2 ...	10	■	■	■	■	■						
264-2 ...	10	■	■	■	■	■	■	■	■	■		
264-3 ...	6	■	■	■	■		■	■	■	■		
264-3 ...	10	■	■	■	■	■	■	■	■	■		
264-7 ...	6	■	■	■	■							
264-7 ...	10	■	■	■	■	■						
270-5 ...	5	■	■	■			■	■	■			

■ **Pitch of Phoenix Contact marking material same as Wago**

■ **Pitch of Phoenix Contact marking material smaller than Wago**

■ **Continuous material can be cut to the pitch of the terminal block**

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Terminal marking for Wago



		UC1-TMF ...see from page 157					UC2-TM ...see from page 158					US2-TM ...
			0821360	0821425	0821483	0821548		0821713	0821690	0821674	0821755	0829268
		UCT1-TMF ...see from page 162					UCT2-TM ... see from page 163					
				0829237	0829243				0829249	0829249		
		UM1-TMF ...see from page 171					UM2-TM ... see from page 172					TMT2 ...
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x10)	(4x10)	(5/6x10)	(5/6x10)		(Ex11)R
		0830935		0830902	0830904	0830924	0830936	0830934	0830911	0830911		0802683
	Pitch	3.5	4	5	6	8	3.5	4	5	6	8	Continuous
Spring-cage connection terminal blocks		**Flat marker groove**					**Tall marker groove**					
279-1 ... - 279-9 ...	4											
280-1 ...	5											
280-5 ...	5											
280-5 ...	6											
280-6 ... - 280-9 ...	5											
281-1 ... - 281-6 ...	6											
281-6 ...	8											
281-6 ...	10											
281-9 ...	6											
282-1 ...	8											
282-1 ...	13											
282-6 ... - 282-9 ...	8											
283-1 ..., 283-6 ..., 283-9 ...	12											
284-1 ..., 284-6 ..., 284-9 ...	10											
285-1 ...	16											
285-1 ...	20											
285-1 ...	25											
285-1 ...	32											
285-4 ...	15											
285-4 ...	20											
285-6 ..., 285-9 ...	16											
709-3 ...	8											
769-1 ...	5											
769-1 ...	5											
769-2 ...	5											
769-5 ..., 769-6 ...	5											
780-6 ...	5											
781-6 ..., 781-6 ...	6											
782-6 ..., 782-9 ...	8											
783-6 ..., 783-9 ...	12											
785-6 ...	16											
811-3 ...	17.5											
869-1 ..., 869-3 ..., 870-1 ..., 870-4 ..., 870-5 ...	5											
870-6 ... - 870.9 ...	5											
880-6 ... - 880-9 ...	5											

Pitch of Phoenix Contact marking material same as Wago

Pitch of Phoenix Contact marking material smaller than Wago

Continuous material can be cut to the pitch of the terminal block

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Terminal marking for Weidmüller



		UC1-TMF ...				UC1-TM ... see from page 156									
			0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...				UCT1-TM ... see from page 162									
			0829237	0829243			0829482	0803204		0829483					
		UM1-TMF				UM1…-TM… see from page 168									
		(3,5x5)	(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
AKE 2,5	5.1														
AKE 4	7														
AKZ 1,5, AKZ 2,5	5.1														
AKZ 4, DL ... 2,5	6.1														
KDKS 1	8														
MAK 2,5	6.2														
SAKS 2	27.6														
SAKS 4	24														
SAKS 5	28														
VLI 1,5	6.15														
WDK 1,5/R	3.5														
WDK 2,5	5.1														
WDK 4	6.1														
WDK 10	9.9														
WDKL 4	6.5														
WDL 2,5	6.1														
WDT 1,5	6.4														
WDTR 2,5	6.2														
WDU 1,5	5.1														
WDU 1,5/R	3.5														
WDU 2,5	5.1														
WDU 2,5/TC	10.2														
WDU 4	6.1														
WDU 6	7.9														
WDU 10	9.9														
WDU 16	11.9														
WDU 35	16														
WDU 50	18.5														
WDU 70	20.5														

Pitch of Phoenix Contact marking material same as Weidmüller

Pitch of Phoenix Contact marking material smaller than Weidmüller

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Terminal marking for Weidmüller



		UC1-TMF ... 157				UC1-TM ... see from page 156									
			0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 162				UCT1-TM ... see from page 162									
			0829237	0829243			0829482	0803204		0829483					
		UM1-TMF... 171				UM1...-TM... see from page 168									
		(3,5x5)	(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
WDU 95	27														
WDU 120	32														
WDU 240	36														
WMF 2,5	5.08														
WNT 2,5	5.1														
WNT 4	6.1														
WNT 6	7.9														
WNT 10	9.9														
WNT 16	12														
WNT 35	16														
WNT 70	20.5														
WPE 1,5	5.1														
WPE 1,5/R	3.5														
WPE 2,5	5.1														
WPE 4	6.1														
WPE 6	7.9														
WPE 10	9.9														
WPE 16	11.9														
WPE 35	16														
WPE 50	18.5														
WPE 70	20.5														
WPE 95	27														
WPE 120	32														
WPO 4	6														
WSI 4	9.1														
WSI 6	7.9														
WT 4	6.1														
WTD 6	7.9														
WTD 6/4 FF	11														

Pitch of Phoenix Contact marking material same as Weidmüller

Pitch of Phoenix Contact marking material smaller than Weidmüller

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Terminal marking for Weidmüller



		UC1-TMF ... 157				UC1-TM ... see from page 156									
			0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 162				UCT1-TM ... see from page 162									
			0829237	0829243			0829482	0803204		0829483					
		UM1-TMF... 171				UM1...-TM... see from page 168									
		(3,5x5)	(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
WTL 4	6.1														
WTL 4/2	6														
WTL 6	7.9														
WTL 6 SL	7.9														
WTL 6/4 FF	11														
WTQ 6	7.9														
WTR 2,5	5.1														
WTR 4	6.1														
WTR 4 ...	6.1														
WTR 35	32														
Push-in connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
PDK 2,5, PDL 4, PDU 2,5	5.1														
PDU 6/10	8.1														
PDU 16	12.1														
PEI 16	15														
PMAK 4	5.1														
PNT 2,5	5.1														
PNT 6/10	8.1														
PNT 16	12.1														
PPE 2,5	5.1														
PPE 6	8.1														
PPE 16	12.1														
PSI 6/10	12.2														
PTD 6/10, PTL 6/10	8.1														
PTR 2,5	5.1														

Pitch of Phoenix Contact marking material same as Weidmüller

Pitch of Phoenix Contact marking material smaller than Weidmüller

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenseng.com - www.stevenengineering.com

Terminal marking for Weidmüller



		UC1-TMF ... 157				UC1-TM...see from page 156									
			0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 162				UCT1-TM... see from page 162									
			0829237	0829243			0829482	0803204		0829483					
		UM1-TMF... 171				UM1...-TM... see from page 168									
		(3,5x5)	(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Spring-cage connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
ZDK 1,5	3.5														
ZDK 2,5	5.1														
ZDK 4	6.1														
ZDKPE 2,5	5.1														
ZDLD 2,5	5.1														
ZDT ... 2,5	5.1														
ZDU 1,5	3.5														
ZDU 2,5	5.1														
ZDU 4	6.1														
ZDU 6	8.1														
ZDU 10	10.1														
ZDU 16	12.1														
ZDU 35	16														
ZDUA 2,5, ZDUB 2,5	5.1														
ZEI 16	10														
ZEI 16-2	14														
ZIA 1,5	5.08														
ZMAK 2,5	5.1														
ZNT 4	6.1														
ZNT 6	8.1														
ZNT 16	10														
ZNT 35	16														
ZP 2,5	5.1														
ZP 4	6.1														
ZPE 1,5	3.5														
ZPE ... 2,5	5.1														
ZPE 4	6.1														
ZPE 6	8.1														
ZPE 10	10.1														
ZPE 16	12.1														
ZPE 35	16														
ZPV 1,5	5.1														

Pitch of Phoenix Contact marking material same as Weidmüller

Pitch of Phoenix Contact marking material smaller than Weidmüller

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Terminal marking for Weidmüller



		UC1-TMF ... 157				UC1-TM...see from page 156									
			0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 162				UCT1-TM... see from page 162									
			0829237	0829243			0829482	0803204		0829483					
		UM1-TMF... 171				UM1…-TM… see from page 168									
		(3,5x5)	(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Spring-cage connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
ZRV 1,5	5.1														
ZRV 2,5	5.2														
ZSI 2,5	7.9														
ZSI 2x6	16														
ZSI 6	12.2														
ZT 2,5	5.1														
ZT 4	6.5														
ZTC 2,5, ZTCPE 2,5	5.1														
ZTD 6, ZTL 6	8														
ZTPE 2,5	5.1														
ZTPE 4	6.5														
ZTR 2,5	5.1														
ZTR 6	8.1														
ZTTR 2,5	5.1														
ZVL 1,5	5.08														
ZVLD 2,5	5.1														

Bolt connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
WF 5	13														
WF 6, WF 6/2 BZ	17.8														
WF 8, WF 8/2 BZ	22.8														
WF 10, WF 10/2, BZ, WF 12	33.8														
WFF 35	27														
WFF 70	32														
WFF 120	38														
WFF 185, WFF 300	55														

Pitch of Phoenix Contact marking material same as Weidmüller

Pitch of Phoenix Contact marking material smaller than Weidmüller

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenseng.com - www.stevenengineering.com

Terminal marking for Wieland



		UC3-TM… see from page 160		
		0822369	0822385	0822408
		UCT3-TM… see from page 163		
		0829251	0829252	
		UM3-TM...see from page 173		
		(5x8)	(6x8)	(8x8)
		0830917	0830915	0830929
	Pitch	5	6	8
Screw connection terminal blocks		**Tall marker groove**		
9700-A/10 ...	10			
9700-A/12 ...	12			
9700-A/16 ...	16			
9700-A/5 ...	5			
9700-A/6 ...	6			
9700-A/8 ...	8			
9785 ..., 9786 ...	12			
WK 2,5 ...	6			
WK 2,5 ... KOI ...	5			
WK 4 ...	6			
WK 4 ... THSI 5 ...	8			
WK 4 ... THSI 6,3 ...	10			
WK 6 ...	8			
WK 10 ...SI ...	12			
WK/3 ..., WK/4 ..., WK/5 ...	6			
WKM 2,5 ...	5			
WKM 4 ...	6			
WKN 6 ...	8			
WKN 10 ..., WKN 16	10			
WKN 35 ...	16			
WKN 70 ...	24			
WKN 150 ...	28			
WRT 6 ...	11			
WT 2,5 ...	5			
WT 4 ...	6			
WT 6 ...	8			
WT 10 ...	10			
WT 16 ...	12			

Push-in connection terminal blocks		**Tall marker groove**		
WTP 2,5 ...	5			
WTP 6 ...	8			

Pitch of Phoenix Contact marking material same as Wieland

Pitch of Phoenix Contact marking material smaller than Wieland

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Terminal marking for Wieland



		ZB...	UC3-TM… see from page 160		
		0805001	0822369	0822385	0822408
		UC-TM...	UCT3-TM… see from page 163		
		0818111	0829251	0829252	
		UCT-TM...	UM3-TM...see from page 173		
			(5x8)	(6x8)	(8x8)
		0828732	0830917	0830915	0830929
	Pitch	4	5	6	8
Spring-cage connection terminal blocks		**Tall marker groove**			
WKF 1,5 ...	4				
WKF 1,5 ... KO ..., WKF 2,5 ...	5				
WKF 16 ...	12				
KF 35 ...	16				
WKFN 2,5 ...	5				
WKFN 4 ...	6				
WKFN 6 ...	8				
WKFN 10 ...	10				
WKFN 16 ...	12				
WKMF 2,5 ...	5				

Pitch of Phoenix Contact marking material same as Wieland

Pitch of Phoenix Contact marking material smaller than Wieland

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Terminal marking for Woertz



		UM8-TM ... see from page 175	
		(5x9)	(6x9)
		0830933	830931
	Pitch	5	6
Screw connection terminal blocks		**Tall marker groove**	
30150 ..., 30860 ..., 30870 ..., 30903..., 30973 ...	5		
30103 ..., 30108 ..., 30111 ..., 3012 ..., 30130 ..., 3043 ..., 30544/4 ..., 30800..., 3089 ..., 30902 ..., 30904..., 3301 ..., 3424 ..., 3430 ..., 3450 ..., 3880 ...	6		
3440 ...	6.5		
30544/6 ..., 3410 ..., 3452/6 ...	7		
30197 ..., 30290 ..., 3472 ..., 3852 ...	7.5		
30200 ..., 30291 ..., 30544/10 ..., 30930 ..., 3302 ..., 3425 ..., 3452/10 ..., 3477 ..., 3726 ..., 3857 ...	8		
30168 ..., 3017 ..., 30191 ..., 30228 ..., 30935 ..., 3303 ..., 3426 ..., 3436 ...	9		
30880 ...	10		
30146 ..., 30840 ..., 3304 ..., 3427 ..., 3452/16 ..., 3473 ..., 3780 ..., 3852 ...	11		
30841 ...	12		
30831 ...	12.5		
300 ..., 3727 ..., 30544/16 ..., 3437 ...	13		
3305 ..., 3428 ..., 3452/35 ...	14		
30832 ..., 30842 ...	14.5		
30544/35 ...	16		
30833 ..., 30834 ..., 30843 ...	16.5		
3438 ..., 3728 ...	18		
30844 ..., 3715 ...	21		
30550 ..., 3306 ..., 3429 ...	23		
3716 ...	34		

Pitch of Phoenix Contact marking material same as Woertz

Pitch of Phoenix Contact marking material smaller than Woertz

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Terminal marking for Woertz



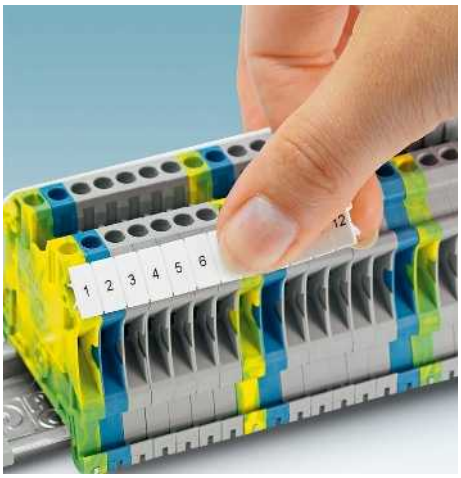
		UM8-TM ... see from page 175	
		(5x9)	(6x9)
		0830933	830931
	Pitch	5	6
Spring-cage connection terminal blocks		**Tall marker groove**	
35310/3 ..., 35320/3 ..., 35330 ..., 35340/3 ..., 35350 ..., 35370 ..., 35400 ...	5		
33200 ..., 33300..., 353 .../4 ..., 35390 ..., 35410 ..., 383 ...	6		
35310/6 ..., 35330/6 ..., 35490 ...	8		
35310/10 ...	10		
35310/16 ...	12		

Pitch of Phoenix Contact marking material same as Woertz

Pitch of Phoenix Contact marking material smaller than Woertz

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UniCard terminal marking for tall marker groove



- The UC-TM ... UniCard marking range includes markers for all products with tall and flat marker grooves
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The multi-section marking strips can be easily separated and are easy to fit
- The markers support multi-line marking
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 60.

Can be marked using:

UV

UV LED technology

y 1 2 3 x

Plotter



Markers for terminal block widths up to 8.2 mm

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for terminal blocks with a tall marker groove, 120-section, 15 individual labels per strip, for a terminal block width of 4.2 mm				
	white	**UC-TM 4**	0818111	10
	red	**UC-TM 4 RD**	0818250	10
	yellow	**UC-TM 4 YE**	0818234	10
	blue	**UC-TM 4 BU**	0818247	10
UniCard, for terminal blocks with a tall marker groove, 96-section, 12 individual labels per strip, for a terminal block width of 5.2 mm				
	white	**UC-TM 5**	0818108	10
	red	**UC-TM 5 RD**	0818302	10
	yellow	**UC-TM 5 YE**	0818289	10
	blue	**UC-TM 5 BU**	0818292	10
UniCard, for terminal blocks with a tall marker groove, 80-section, 10 individual labels per strip, for a terminal block width of 6.2 mm				
	white	**UC-TM 6**	0818085	10
	red	**UC-TM 6 RD**	0818357	10
	yellow	**UC-TM 6 YE**	0818331	10
	blue	**UC-TM 6 BU**	0818344	10
UniCard, for terminal blocks with a tall marker groove, 56-section, 7 individual labels per strip, for a terminal block width of 8.2 mm				
	white	**UC-TM 8**	0818072	10
	red	**UC-TM 8 RD**	0818409	10
	yellow	**UC-TM 8 YE**	0818386	10
	blue	**UC-TM 8 BU**	0818399	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK		
P1 UC-MAG 1	5146079	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard terminal marking for tall marker groove



Markers for terminal block widths up to 16 mm

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for terminal blocks with a tall marker groove, 48-section, 6 individual labels per strip, for a terminal block width of 10.2 mm				
	white	**UC-TM 10**	0818069	10
	red	**UC-TM 10 RD**	0818454	10
	yellow	**UC-TM 10 YE**	0818438	10
	blue	**UC-TM 10 BU**	0818441	10
UniCard, for terminal blocks with a tall marker groove, 40-section, 5 individual labels per strip, for a terminal block width of 12 mm				
	white	**UC-TM 12**	0819194	10
	red	**UC-TM 12 RD**	0817701	10
	yellow	**UC-TM 12 YE**	0819204	10
	blue	**UC-TM 12 BU**	0817785	10
UniCard, for terminal blocks with a tall marker groove, 32-section, 4 individual labels per strip, for a terminal block width of 16 mm				
	white	**UC-TM 16**	0819217	10
	red	**UC-TM 16 RD**	0817798	10
	yellow	**UC-TM 16 YE**	0819220	10
	blue	**UC-TM 16 BU**	0817769	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK		
P1 UC-MAG 1	5146079	1

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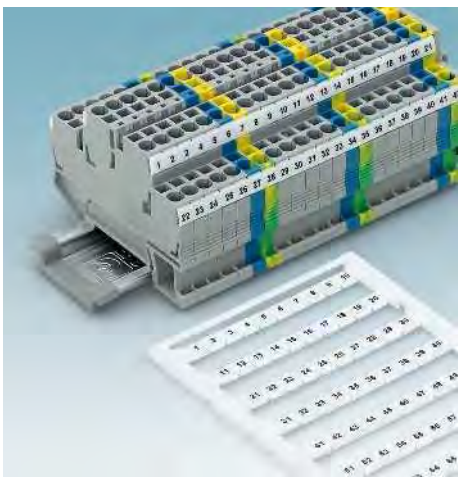
UniCard terminal marking for flat marker groove



– The UC-TMF ... UniCard marking range includes markers for all products with tall and flat marker grooves
– Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 60.



Can be marked using:

UV LED technology

Plotter



Markers for terminal block widths up to 8.2 mm

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for terminal blocks with a flat marker groove, 120-section, 15 individual labels per strip, for a terminal block width of 4.2 mm				
	white	**UC-TMF 4**	0818166	10
	red	**UC-TMF 4 RD**	0818506	10
	yellow	**UC-TMF 4 YE**	0818483	10
	blue	**UC-TMF 4 BU**	0818496	10
UniCard, for terminal blocks with a flat marker groove, 96-section, 12 individual labels per strip, for a terminal block width of 5.2 mm				
	white	**UC-TMF 5**	0818153	10
	red	**UC-TMF 5 RD**	0818551	10
	yellow	**UC-TMF 5 YE**	0818535	10
	blue	**UC-TMF 5 BU**	0818548	10
UniCard, for terminal blocks with a flat marker groove, 80-section, 10 individual labels per strip, for a terminal block width of 5.2 mm, lettering field size: 5 x 7 mm				
	white	**UC-TMF 5 (5X7)**	0820044	10
UniCard, for terminal blocks with a flat marker groove, 80-section, 10 individual labels per strip, for a terminal block width of 6.2 mm				
	white	**UC-TMF 6**	0818140	10
	red	**UC-TMF 6 RD**	0818603	10
	yellow	**UC-TMF 6 YE**	0818580	10
	blue	**UC-TMF 6 BU**	0818593	10
UniCard, for terminal blocks with a flat marker groove, 64-section, 7 individual labels per strip, for a terminal block width of 8.2 mm				
	white	**UC-TMF 8**	0818137	10
	red	**UC-TMF 8 RD**	0818658	10
	yellow	**UC-TMF 8 YE**	0818632	10
	blue	**UC-TMF 8 BU**	0818645	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK			
		P1 UC-MAG 4	5146105	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard terminal marking for flat marker groove



Markers for terminal block widths up to 16 mm

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

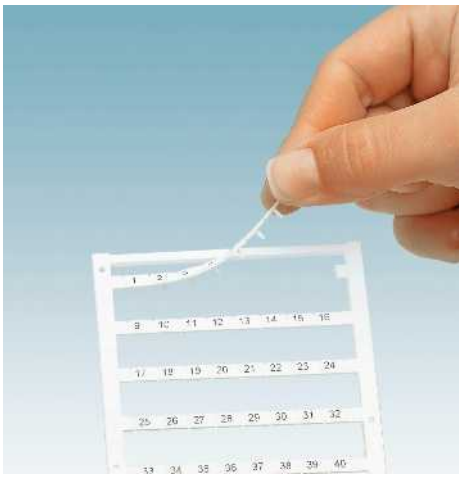
Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for terminal blocks with a flat marker groove, 48-section, 6 individual labels per strip, for a terminal block width of 10.2 mm				
	white	**UC-TMF 10**	0818124	10
	red	**UC-TMF 10 RD**	0818700	10
	yellow	**UC-TMF 10 YE**	0818687	10
	blue	**UC-TMF 10 BU**	0818690	10
UniCard, for terminal blocks with a flat marker groove, 40-section, 5 individual labels per strip, for a terminal block width of 12 mm				
	white	**UC-TMF 12**	0819233	10
	red	**UC-TMF 12 RD**	0817840	10
	yellow	**UC-TMF 12 YE**	0819246	10
	blue	**UC-TMF 12 BU**	0817853	10
UniCard, for terminal blocks with a flat marker groove, 32-section, 4 individual labels per strip, for a terminal block width of 16 mm				
	white	**UC-TMF 16**	0819262	10
	red	**UC-TMF 16 RD**	0817824	10
	yellow	**UC-TMF 16 YE**	0819259	10
	blue	**UC-TMF 16 BU**	0817905	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK			
	P1 UC-MAG 4	5146105	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard terminal marking for marking stud holder



Can be marked using:



UV LED technology



Plotter



Stud-type markers for terminal block widths of 5.2 / 7.5 / 10 mm

- The UC-TMN ... UniCard marking range includes markers for products with a marking stud holder, such as mini terminal blocks, transformer terminal blocks or COMBICON PCB connection terminal blocks
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The multi-section marking strips can be easily separated and are easy to fit
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 60.

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking transformer terminal blocks				
96-section, 12 individual labels per strip	white	**UC-TMN 5,2**	0822945	10
64-section, 8 individual labels per strip	white	**UC-TMN 7,5**	0821823	10
48-section, 6 individual labels per strip	white	**UC-TMN 10**	0828554	10

Accessories

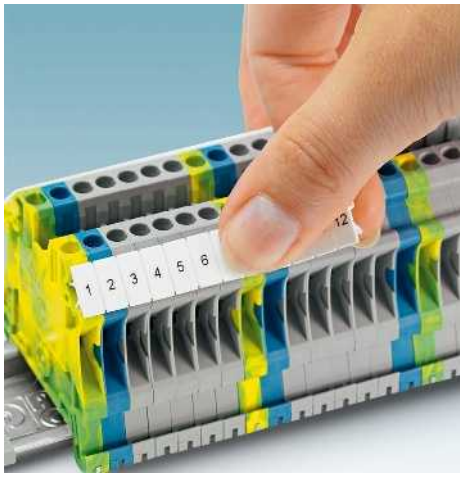
Description	Type	Order No.	Pcs./Pkt.
Magazine, for CMS-P1-PLOTTER and PLOTMARK			
	P1 UC-MAG 1	5146079	1



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Zack marker strip terminal marking for tall marker groove



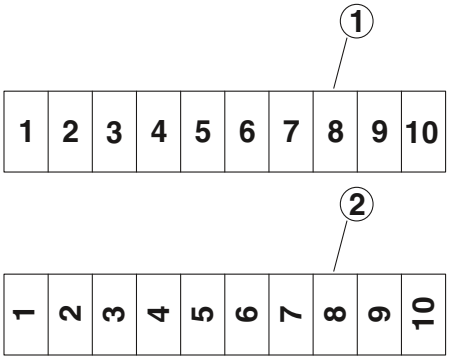
- The ZB zack marker strip system marks terminal blocks and electronics modules with a tall marker groove
- The multi-section marking strips can be easily separated and are easy to fit
- Different pitches are available on request
- Unprinted zack marker strips can be individually marked with the plotter or manually marked by hand
- Marking service: Phoenix Contact can custom-mark many zack marker strip markers according to your requirements

Selection of marking direction

- Please take care to select the correct marking direction for printed products
- ① "Printed horizontally" marking, text is the right way round for a horizontally arranged terminal strip
- ② "Printed vertically" marking, text is the right way round for a vertically arranged terminal strip

Notes:

1) Each unit pack contains **10 identically marked strips**.



Can be marked using:



Plotter



Markers for a terminal block width of 3.5 mm

Technical data

General data		
Can be marked with		PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Zack marker strip, unprinted, 10-section: each pack contains enough to mark 100 terminal blocks	white	ZB 3,5:UNBEDRUCKT	0829414	10
as above, but large pack, contains enough to mark 1000 terminal blocks	white			
Zack marker strip, printed horizontally, 10-section, with consecutive numbers, e.g., 1 - 10, 11 - 20, and so on up to 91 - 100, (ZB 3,5 and ZB 4, max. 2 digits)[1]	white	ZB 3,5,LGS:FORTL.ZAHLEN	0801404	10
Zack marker strip, printed horizontally, 10-section, with same numbers, e.g., 1/1/1, 2/2/2, and so on up to 100/100/100[1]	white			
Zack marker strip, printed horizontally, 10-section: with L1, L2, L3, N, PE[1]	white			
printed horizontally, 10-section: with U, V, W, N,	white			
Zack marker strip, printed horizontally, 10-section, even numbers, e.g., 2-20, 22-40, and so on up to 82-100	white			
Zack marker strip, printed horizontally, 10-section, odd numbers, e.g., 1-19, 21-39, and so on up to 81-99	white			
Zack marker strip, printed horizontally, 10-section, upper case A-Z, e.g., A/A/A,B/B/B, and so on up to Z/Z/Z	white			
Zack marker strip, printed horizontally, 10-section, L1, L2, L3, PE, +, -, symbols	white			
Zack marker strip, printed vertically, 10-section, even numbers, e.g., 2-20, 22-40, and so on up to 82-100	white			
Zack marker strip, printed vertically, 10-section, odd numbers, e.g., 1-19, 21-39, and so on up to 81-99	white			
Zack marker strip, printed vertically, 10-section, with consecutive numbers, e.g., 1-10, 11-20, and so on up to 91-100[1]	white	ZB 3,5,QR:FORT.ZAHLEN	0801405	10

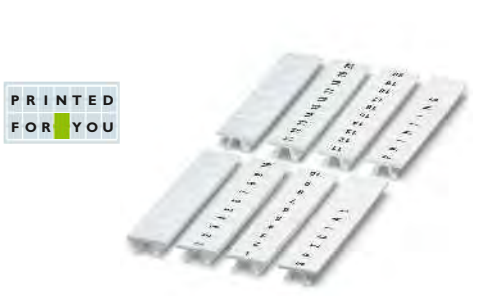
Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK	CMS-P1-M/ZB	5144699	1

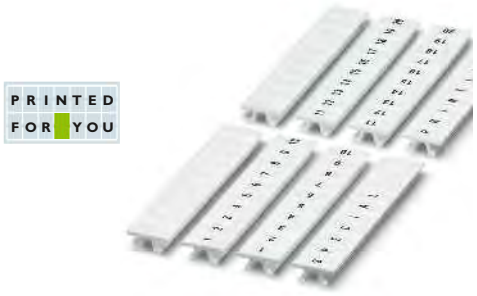
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Markers for a terminal block width of 4.2 mm



Markers for a terminal block width of 5.2 mm



Markers for a terminal block width of 5.08 mm

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 4 :UNBEDRUCKT	0805001	10
ZB 4/WH-100:UNBEDRUCKT	0805810	100
ZB 4,LGS:FORTL.ZAHLEN	0805739	10
ZB 4,QR:FORTL.ZAHLEN	0805807	10

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 5 :UNBEDRUCKT	1050004	10
ZB 5/WH-100:UNBEDRUCKT	5060906	100
ZB 5,LGS:FORTL.ZAHLEN	1050017	10
ZB 5,LGS:GLEICHE ZAHLEN	1050033	10
ZB 5,LGS:L1-N,PE	1050415	10
ZB 5,LGS:GERADE ZAHLEN	0800035	10
ZB 5,LGS:UNGERADE ZAHLEN	0800019	10
ZB 5,LGS:GROSSBUCHST.	1050059	10
ZB 5,LGS:SYMBOLE	1050091	10
ZB 5,QR:GERADE ZAHLEN	1052811	10
ZB 5,QR:UNGERADE ZAHLEN	1052824	10
ZB 5,QR:FORTL.ZAHLEN	1050020	10

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 5,08:UNBEDRUCKT	0809793	10
ZB 5,08,LGS:FORTL.ZAHLEN	0809803	10
ZB 5,08,LGS:L1-N,PE	0809832	10
ZB 5,08,LGS:U-N	0809845	10
ZB 5,08,QR:FORTL.ZAHLEN	0809858	10

Accessories

CMS-P1-M/ZB	5144699	1

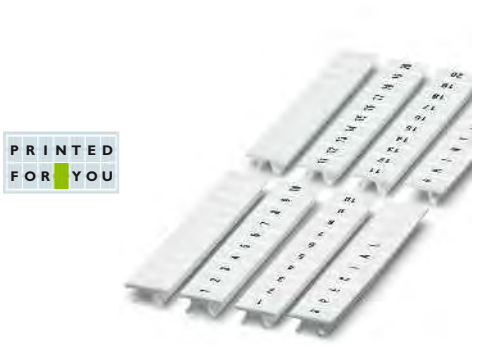
Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

Zack marker strip terminal marking for tall marker groove

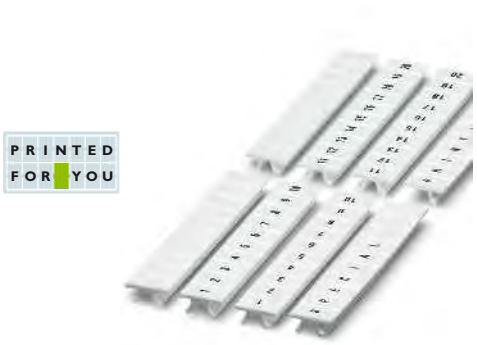
– The ZB zack marker strip system marks terminal blocks and electronics modules with a tall marker groove
– Marking service: Phoenix Contact can custom-mark many zack marker strip markers according to your requirements

Notes:

1) Each unit pack contains **10 identically marked strips**.



Markers for a terminal block width of 5.8 mm



Markers for a terminal block width of 6.2 mm

Technical data

General data			
Can be marked with		PLOTMARK • CMS-P1-PLOTTER	PLOTMARK • CMS-P1-PLOTTER
Material		PA	PA
Flammability rating in accordance with UL 94		V2	V2
Temperature range	[°C]	-40 ... 100	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen	Free from silicone and halogen

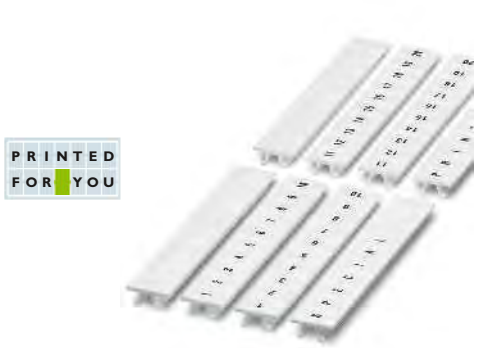
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Zack marker strip, unprinted, 10-section: each pack contains enough to mark 100 terminal blocks							
	white	**ZB 5,8:UNBEDRUCKT**	2715209	10	**ZB 6:UNBEDRUCKT**	1051003	10
as above, but large pack, contains enough to mark 1000 terminal blocks	white				**ZB 6/WH-100:UNBEDRUCKT**	5060935	100
Zack marker strip, printed horizontally, 10-section, with consecutive numbers, e.g., 1-10, 11-20, and so on up to 91-100	white				**ZB 6,LGS:FORTL.ZAHLEN**	1051016	10
Zack marker strip, printed horizontally, 10-section, with same numbers, e.g., 1/1/1, 2/2/2, and so on up to 100/100/100	white				**ZB 6,LGS:GLEICHE ZAHLEN**	1051032	10
Zack marker strip, printed horizontally, 10-section: with L1, L2, L3, N, PE	white				**ZB 6,LGS:L1-N,PE**	1051414	10
printed horizontally, 10-section: with U, V, W, N	white				**ZB 6,LGS:U-N**	1051430	10
Zack marker strip, printed horizontally, 10-section, even numbers, e.g., 2-20, 22-40, and so on up to 82-100	white				**ZB 6,LGS:GERADE ZAHLEN**	1052808	10
Zack marker strip, printed horizontally, 10-section, odd numbers, e.g., 1-19, 21-39, and so on up to 81-99	white				**ZB 6,LGS:UNGERADE ZAHLEN**	1052798	10
Zack marker strip, printed horizontally, 10-section, upper case A-Z, e.g., A/A/A,B/B/B, and so on up to Z/Z/Z	white				**ZB 6,LGS:GROSSBUCHSTABEN**	1051058	10
Zack marker strip, printed horizontally, 10-section, L1, L2, L3, PE, +, -, symbols	white				**ZB 6,LGS:SYMBOLE**	1051090	10
Zack marker strip, printed vertically, 10-section, with consecutive numbers, e.g., 1-10, 11-20, and so on up to 91-100	white				**ZB 6,QR:FORTL.ZAHLEN**	1051029	10
Zack marker strip, printed vertically, 10-section, even numbers, e.g., 2-20, 22-40, and so on up to 82-100	white				**ZB 6,QR:GERADE ZAHLEN**	1052785	10
Zack marker strip, printed vertically, 10-section, odd numbers, e.g., 1-19, 21-39, and so on up to 81-99	white				**ZB 6,QR:UNGERADE ZAHLEN**	1052772	10

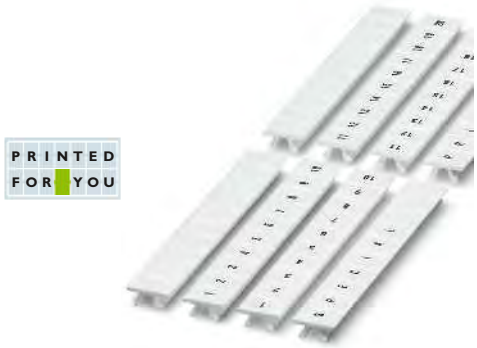
Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK		**CMS-P1-M/ZB**	5144699	1	**CMS-P1-M/ZB**	5144699	1

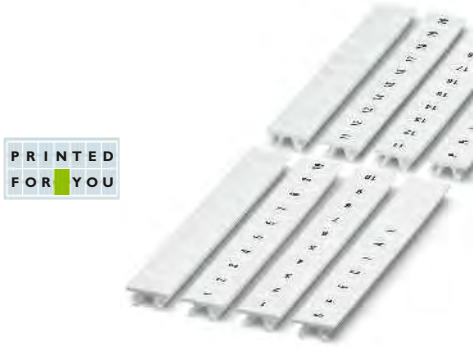
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Markers for a terminal block width of 6.6 mm



Markers for a terminal block width of 7.5 mm



Markers for a terminal block width of 7.62 mm

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 6,6:UNBEDRUCKT	1052332	10
ZB 6,6,LGS:FORTL.ZAHLEN	1052345	10

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 7,5:UNBEDRUCKT	0803948	10

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 7,62:UNBEDRUCKT	1054000	10
ZB 7,62/WH-100:UNBEDRUCKT	5060922	100
ZB 7,62,LGS:FORTL.ZAHLEN	1054233	10

Accessories

CMS-P1-M/ZB	5144699	1

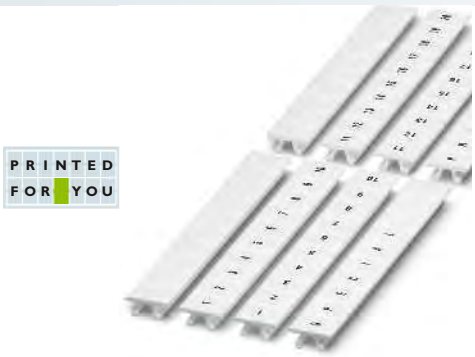
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Zack marker strip terminal marking for tall marker groove

– The ZB zack marker strip system marks terminal blocks and electronics modules with a tall marker groove
– Marking service: Phoenix Contact can custom-mark many zack marker strip markers according to your requirements

Notes:

1) Each unit pack contains **10 identically marked strips**.



Markers for a terminal block width of 8.2 mm



Markers for a terminal block width of 9 mm

Technical data

General data		
Can be marked with		CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Technical data

General data		
Can be marked with		PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Zack marker strip, unprinted, 10-section: each pack contains enough to mark 100 terminal blocks	white	**ZB 8:UNBEDRUCKT**	1052002	10
as above, but large pack, contains enough to mark 1000 terminal blocks	white	**ZB 8/WH-100:UNBEDRUCKT**	5060896	100
5-section	white			
Zack marker strip, printed horizontally, 10-section, with consecutive numbers, e.g., 1-10, 11-20, and so on up to 91-100[1)]	white	**ZB 8,LGS:FORTL.ZAHLEN**	1052015	10
Zack marker strip, printed horizontally, 10-section: with L1, L2, L3, N, PE[1)]	white	**ZB 8,LGS:L1-N,PE**	1052413	10
printed horizontally, 10-section: with U, V, W, N	white			
printed horizontally, 5-section: with L1, L2, L3, N, PE	white			
Zack marker strip, printed horizontally, 10-section, L1, L2, L3, PE, +, -, symbols	white	**ZB 8,LGS:SYMBOLE**	1052099	10
Zack marker strip, printed vertically, 10-section, with consecutive numbers, e.g., 1-10, 11-20, and so on up to 91-100[1)]	white	**ZB 8,QR:FORTL.ZAHLEN**	1052028	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK	**CMS-P1-M/ZB**	5144699	1

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 9:UNBEDRUCKT	0829127	10

Accessories

Type	Order No.	Pcs./Pkt.
CMS-P1-M/ZB	5144699	1

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Markers for a terminal block width of 10.2 mm



Markers for a terminal block width of 12 mm



Markers for a terminal block width of 13 mm

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 10:UNBEDRUCKT	1053001	10
ZB10/WH-100:UNBEDRUCKT	5060883	100
ZB10,LGS:FORTL.ZAHLEN	1053014	10
ZB10,LGS:L1-N,PE	1053412	10
ZB10,LGS:U-N	1053438	10
ZB10,LGS:SYMBOLE	1053098	10
ZB10,QR:FORTL.ZAHLEN	1053027	10

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 12:UNPRINTED	0812120	10
ZB 12,LGS:L1-N,PE	0812146	10

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 13:UNBEDRUCKT	0829131	10

Accessories

CMS-P1-M/ZB	5144699	1

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Zack marker strip terminal marking for tall marker groove

– The ZB zack marker strip system marks terminal blocks and electronics modules with a tall marker groove
– Marking service: Phoenix Contact can custom-mark many zack marker strip markers according to your requirements

Notes:

1) Each unit pack contains **10 identically marked strips**.



Markers for a terminal block width of 14 mm



Markers for a terminal block width of 15 mm

Technical data

General data			
Can be marked with		PLOTMARK • CMS-P1-PLOTTER	PLOTMARK • CMS-P1-PLOTTER
Material		PA	PA
Flammability rating in accordance with UL 94		V2	V2
Temperature range	[°C]	-40 ... 100	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Zack marker strip, unprinted, 5-section: each pack contains enough to mark 50 terminal blocks	white	**ZB 14:UNPRINTED**	0820277	10
Zack marker strip, printed horizontally, 5-section: with L1, L2, L3, N, PE[1])	white	**ZB 15,LGS:L1-N,PE**	0811998	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK	**CMS-P1-M/ZB**	5144699	1

Technical data

General data			
Can be marked with		PLOTMARK • CMS-P1-PLOTTER	PLOTMARK • CMS-P1-PLOTTER
Material		PA	PA
Flammability rating in accordance with UL 94		V2	V2
Temperature range	[°C]	-40 ... 100	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Zack marker strip, unprinted, 5-section: each pack contains enough to mark 50 terminal blocks	white	**ZB 14:UNPRINTED**	0820277	10
Zack marker strip, printed horizontally, 5-section: with L1, L2, L3, N, PE[1])	white	**ZB 15:UNBEDRUCKT**	0811972	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK	**CMS-P1-M/ZB**	5144699	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



Markers for a terminal block width of 16 mm



Markers for a terminal block width of 16.3 mm



Markers for a terminal block width of 17 mm

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 16:UNPRINTED	0827461	10
ZB 16,LGS:L1-N,PE	0827462	10

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 16,3:UNPRINTED	0820222	10

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 17:UNBEDRUCKT	0829391	10

Accessories

CMS-P1-M/ZB	5144699	1

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Zack marker strip terminal marking for tall marker groove

– The ZB zack marker strip system marks terminal blocks and electronics modules with a tall marker groove
– Marking service: Phoenix Contact can custom-mark many zack marker strip markers according to your requirements

Notes:

1) Each unit pack contains **10 identically marked strips**.



Markers for a terminal block width of 18 mm



Markers for a terminal block width of 20.3 mm

Technical data

General data			
Can be marked with		PLOTMARK • CMS-P1-PLOTTER	PLOTMARK • CMS-P1-PLOTTER
Material		PA	PA
Flammability rating in accordance with UL 94		V2	V2
Temperature range	[°C]	-40 ... 100	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Zack marker strip, unprinted, 5-section: each pack contains enough to mark 50 terminal blocks				
	white	**ZB 18:UNBEDRUCKT**	0811833	10
4-section, for 40 terminal blocks	white			
Zack marker strip, printed horizontally, 5-section, with L1, L2, L3, N, PE[1])				
	white	**ZB 18,LGS:L1-N,PE**	0811846	10
printed horizontally, 4-section, with L1, L2, L3, N, PE	white			

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK			
CMS-P1-M/ZB	5144699	1	

Technical data

General data		
Can be marked with	PLOTMARK • CMS-P1-PLOTTER	
Material	PA	
Flammability rating in accordance with UL 94	V2	
Temperature range	-40 ... 100	
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)	
Components	Free from silicone and halogen	

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 20,3:UNPRINTED	0820248	10

Accessories

CMS-P1-M/ZB	5144699	1

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Markers for a terminal block width of 21.1 mm



Markers for a terminal block width of 22 mm



Markers for a terminal block width of 25 mm

Technical data

PLOTMARK • CMS-P1-PLOTTER

-
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 21,1:UNBEDRUCKT	0829456	10

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

PLOTMARK • CMS-P1-PLOTTER

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZB 22:UNBEDRUCKT	0811862	10
ZB 22,LGS:L1-N,PE	0811875	10

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

PLOTMARK • CMS-P1-PLOTTER • X-PEN 0,35 • P-PEN

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

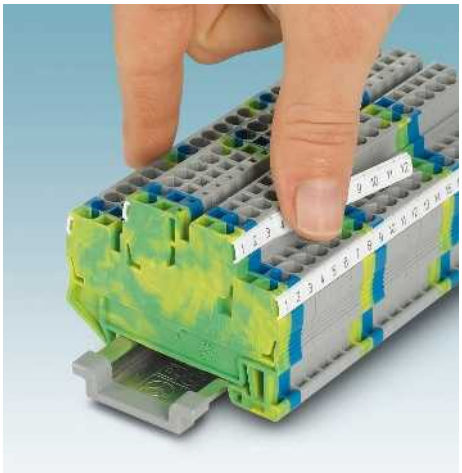
Type	Order No.	Pcs./Pkt.
ZB 25:UNPRINTED	0802751	10

Accessories

CMS-P1-M/ZB	5144699	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Zack marker strip terminal marking for flat marker groove



- The ZBF zack marker strip system marks terminal blocks and electronics modules with a flat marker groove
- The multi-section marking strips can be easily separated and are easy to fit
- Different pitches are available on request
- Unprinted zack marker strips can be individually marked with the plotter or manually marked by hand
- Marking service: Phoenix Contact can custom-mark many zack marker strip markers according to your requirements

Selection of marking direction

- Please take care to select the correct marking direction for printed products
- ① "Printed horizontally" marking, text is the right way round for a horizontally arranged terminal strip
- ② "Printed vertically" marking, text is the right way round for a vertically arranged terminal strip

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 60.

1) Each unit pack contains **10 identically marked strips**.

Can be marked using:



Plotter





Markers for a terminal block width of 3.5 mm

Technical data

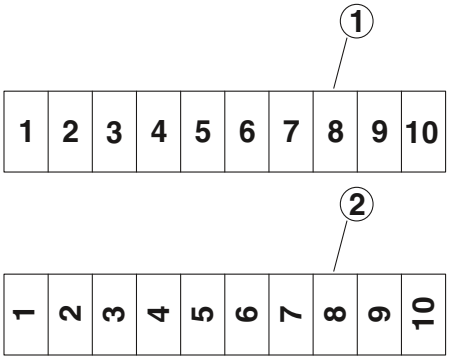
General data		
Can be marked with		PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

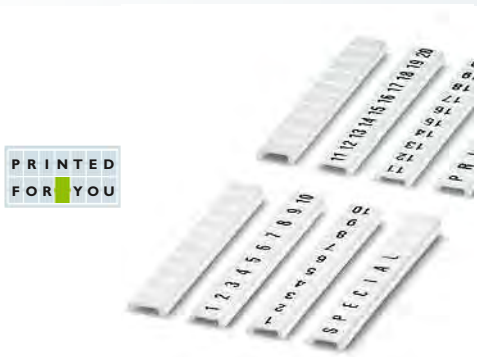
Description	Color	Type	Order No.	Pcs./Pkt.
Zack marker strip, unprinted, 10-section: pack contains enough to mark 100 terminal blocks	white	ZBF 3,5:UNBEDRUCKT	0829392	10
as above, but large pack, contains enough to mark 1000 terminal blocks	white			
Zack marker strip, flat, printed horizontally, 10-section, with consecutive numbers, e.g., 1-10, 11-20, and so on up to 91-100, (ZBF 3,5 and ZBF 4, max. 2 digits)[1)]	white	ZBF 3,5,LGS:FORTL.ZAHLEN	0801406	10
Zack marker strip, flat, printed horizontally, 10-section, with even numbers, e.g., 2-20, 22-40, and so on up to 82-100, (ZBF 4, max. 2 digits)[1)]	white			
Zack marker strip, flat, printed horizontally, 10-section, with odd numbers, e.g., 1-19, 21-39, and so on up to 81-99, (ZBF 4, max. 2 digits)[1)]	white			
Zack marker strip, 10-section, printed horizontally: with L1, L2, L3, N, PE	white			
Zack marker strip, flat, printed vertically, 10-section, with consecutive numbers, e.g., 1-10, 11-20, and so on up to 91-100[1)]	white	ZBF 3,5,QR:FORTL.ZAHLEN	0801407	10

Accessories

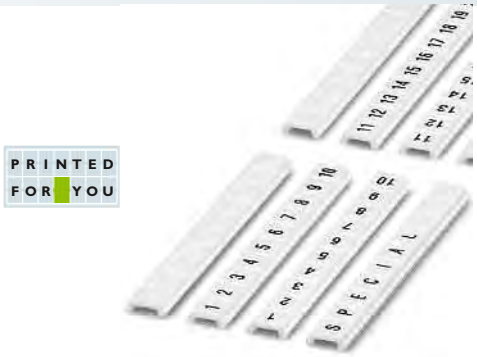
Magazine, for CMS-P1-PLOTTER and PLOTMARK	CMS-P1-M/ZBF	5144709	1



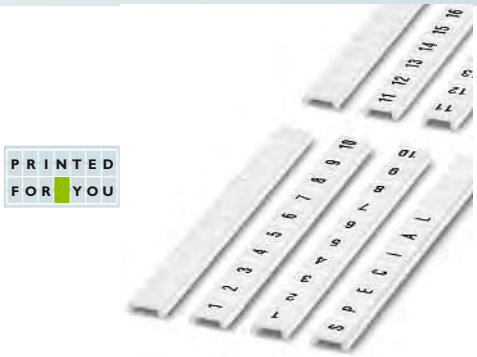
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Markers for a terminal block width of 4.2 mm



Markers for a terminal block width of 5.2 mm



Markers for a terminal block width of 6.2 mm

Technical data

	CMS-P1-PLOTTER • PLOTMARK
	PA
	V2
	-40 ... 100
	DIN EN 61010-1 (VDE 0411-1)
	Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZBF 4:UNBEDRUCKT	0808587	10
ZBF 4/WH-100:UNBEDRUCKT	0808613	100
ZBF 4,LGS:FORTL.ZAHLEN	0808626	10
ZBF 4,LGS:GERADE ZAHLEN	0810818	10
ZBF 4,LGS:UNGERADE ZAHLEN	0810850	10
ZBF 4,QR:FORTL.ZAHLEN	0808820	10

Accessories

CMS-P1-M/ZBF	5144709	1

Technical data

	PLOTMARK • CMS-P1-PLOTTER
	PA
	V2
	-40 ... 100
	DIN EN 61010-1 (VDE 0411-1)
	Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZBF 5:UNBEDRUCKT	0808642	10
ZBF 5/WH-100:UNBEDRUCKT	0808668	100
ZBF 5,LGS:FORTL.ZAHLEN	0808671	10
ZBF 5,LGS:GERADE ZAHLEN	0810821	10
ZBF 5,LGS:UNGERADE ZAHLEN	0810863	10
ZBF 5,LGS:L1-N,PE	0809528	10
ZBF 5,QR:FORTL.ZAHLEN	0808697	10

Accessories

CMS-P1-M/ZBF	5144709	1

Technical data

	PLOTMARK • CMS-P1-PLOTTER
	PA
	V2
	-40 ... 100
	DIN EN 61010-1 (VDE 0411-1)
	Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZBF 6:UNBEDRUCKT	0808710	10
ZBF 6/WH-100:UNBEDRUCKT	0808736	100
ZBF 6,LGS:FORTL.ZAHLEN	0808749	10
ZBF 6,LGS:GERADE ZAHLEN	0810834	10
ZBF 6,LGS:UNGERADE ZAHLEN	0810876	10
ZBF 6,QR:FORTL.ZAHLEN	0808765	10

Accessories

CMS-P1-M/ZBF	5144709	1

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Zack marker strip terminal marking for flat marker groove

– The ZBF zack marker strip system marks terminal blocks and electronics modules with a flat marker groove
– Marking service: Phoenix Contact can custom-mark many zack marker strip markers according to your requirements

Notes:

[1]) Each unit pack contains **10 identically marked strips**.



Markers for a terminal block width of 7.5 mm



Markers for a terminal block width of 8.2 mm

Technical data

General data			
Can be marked with		PLOTMARK • CMS-P1-PLOTTER	PLOTMARK • CMS-P1-PLOTTER
Material		PA	PA
Flammability rating in accordance with UL 94		V2	V2
Temperature range	[°C]	-40 ... 100	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Zack marker strip, unprinted, 10-section: pack contains enough to mark 100 terminal blocks	white	**ZBF 7,5:UNBEDRUCKT**	0809942	10	**ZBF 8:UNBEDRUCKT**	0808781	10
as before, but in large pack, contains enough to mark 1000 terminal blocks	white				**ZBF 8/WH-100:UNBEDRUCKT**	0808794	100
5-section, for 50 terminal blocks	white						
as before, but in large pack, contains enough to mark 500 terminal blocks	white						
Zack marker strip, flat, printed horizontally, 10-section, with consecutive numbers, e.g., 1-10, 11-20, and so on up to 91-100[1])							
Markers for a terminal block width of 10.2 mm	white	**ZBF 7,5,LGS:FORTL.ZAHLEN**	0809955	10	**ZBF 8,LGS:FORTL.ZAHLEN**	0808804	10
Zack marker strip, flat, printed vertically, 10-section, with consecutive numbers, e.g., 1-10, 11-20, and so on up to 91-100[1])	white	**ZBF 7,5,QR:FORTL.ZAHLEN**	0809968	10			

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK		**CMS-P1-M/ZBF**	5144709	1	**CMS-P1-M/ZBF**	5144709	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



Markers for a terminal block width of 9 mm



Markers for a terminal block width of 10.2 mm



Markers for a terminal block width of 12 mm

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZBF 9:UNBEDRUCKT	0829129	10

Accessories

CMS-P1-M/ZBF	5144709	1

Technical data

CMS-P1-PLOTTER • PLOTMARK
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZBF10:UNBEDRUCKT	0809997	10
ZBF10,LGS:FORTL.ZAHLEN	0810009	10
ZBF10,QR:FORTL.ZAHLEN	0810025	10

Accessories

CMS-P1-M/ZBF	5144709	1

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZBF 12:UNBEDRUCKT	0809735	10
ZBF 12/WH-100:UNBEDRUCKT	0823672	100

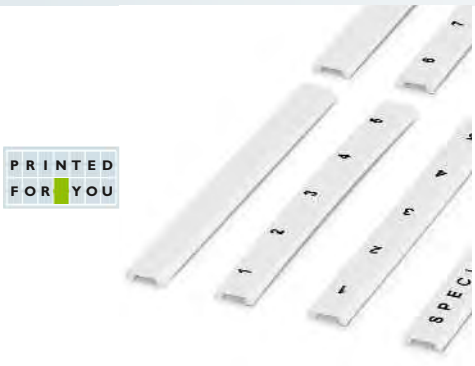
Accessories

CMS-P1-M/ZBF	5144709	1

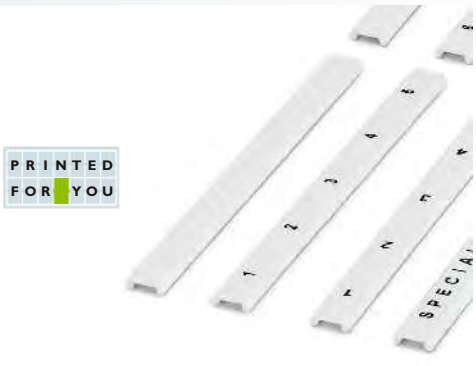
Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenseng.com - www.stevenengineering.com

Zack marker strip terminal marking for flat marker groove

– The ZBF zack marker strip system marks terminal blocks and electronics modules with a flat marker groove
– Marking service: Phoenix Contact can custom-mark many zack marker strip markers according to your requirements



Markers for a terminal block width of 13 mm



Markers for a terminal block width of 15 mm

Technical data

General data		
Can be marked with		PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Zack marker strip, unprinted, 5-section: pack contains enough to mark 50 terminal blocks	white	**ZBF 13:UNBEDRUCKT**	0829133	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK	**CMS-P1-M/ZBF**	5144709	1

Technical data

General data		
Can be marked with		PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZBF 15:UNBEDRUCKT	0811202	10

Accessories

CMS-P1-M/ZBF	5144709	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



Markers for a terminal block width of 16.3 mm



Markers for a terminal block width of 17 mm



Markers for a terminal block width of 19.7 mm

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZBF 16:UNPRINTED	0827464	10

Accessories

CMS-P1-M/ZBF	5144709	1

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
ZBF 17:UNBEDRUCKT	0815020	10

Accessories

CMS-P1-M/ZBF	5144709	1

Technical data

PLOTMARK • CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

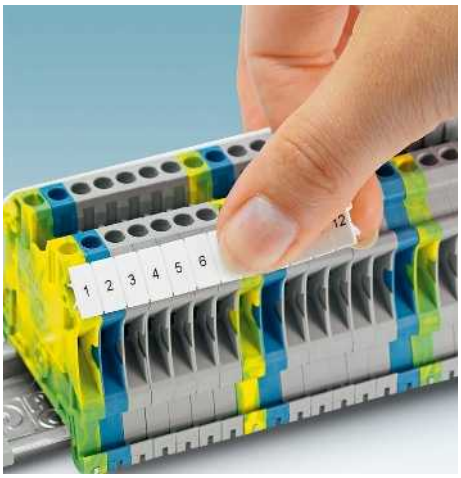
Type	Order No.	Pcs./Pkt.
ZBF 19,7:UNBEDRUCKT	0810627	10

Accessories

CMS-P1-M/ZBF	5144709	1

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UniCard terminal marking for tall marker groove



- The UCT-TM ... UniCard marking range includes markers for products with tall marker grooves
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
- The multi-section marking strips can be easily separated and are easy to fit
- The sheets provide space for including function texts
- The UCT sheets can also be used with the THERMOMARK CARD-UCT-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 60.



Can be marked using:

Direct laser marking

UV LED technology

Thermal transfer



Markers for a terminal block width of up to 6.2 mm

Technical data

General data	
Can be marked with	TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material	PC
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for terminal blocks with a tall marker groove, 102-section, 17 individual labels per strip, for a terminal block width of 3.5 mm				
	white	**UCT-TM 3,5**	0829484	10
	red	**UCT-TM 3,5 RD**	0829505	10
	yellow	**UCT-TM 3,5 YE**	0829485	10
	blue	**UCT-TM 3,5 BU**	0829508	10
UniCard, for terminal blocks with a tall marker groove, 102-section, 17 individual labels per strip, lettering field size: 3.5 x 7 mm				
	white	**UCTU-TM (3,5X7)**	0803666	10
UniCard, for terminal blocks with a tall marker groove, 84-section, 14 individual labels per strip, for a terminal block width of 4.2 mm				
	white	**UCT-TM 4**	0828732	10
	red	**UCT-TM 4 RD**	0829149	10
	yellow	**UCT-TM 4 YE**	0828733	10
	blue	**UCT-TM 4 BU**	0829152	10
UniCard, for terminal blocks with a tall marker groove, 72-section, 12 individual labels per strip, for a terminal block width of 5.2 mm				
	white	**UCT-TM 5**	0828734	10
	red	**UCT-TM 5 RD**	0829154	10
	yellow	**UCT-TM 5 YE**	0828735	10
	blue	**UCT-TM 5 BU**	0829157	10
UniCard, for terminal blocks with a tall marker groove, 60-section, 10 individual labels per strip, for a terminal block width of 6.2 mm				
	white	**UCT-TM 6**	0828736	10
	red	**UCT-TM 6 RD**	0829159	10
	yellow	**UCT-TM 6 YE**	0828737	10
	blue	**UCT-TM 6 BU**	0829162	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-TM..., UCT1(U)-TM..., UCT5-TM..., UCT-EM (5x10), UCT-EM (6x10)	**TMP-UCT-MAG1**	0803342	1

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UniCard terminal marking for tall marker groove

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Markers for terminal block widths up to 16 mm

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for terminal blocks with a tall marker groove, 48-section, 8 individual labels per strip, for a terminal block width of 7.62 mm				
	white	**UCT-TM 7,62**	0828738	10
	red	**UCT-TM 7,62 RD**	0829510	10
	yellow	**UCT-TM 7,62 YE**	0828739	10
	blue	**UCT-TM 7,62 BU**	0829513	10
UniCard, for terminal blocks with a tall marker groove, 42-section, 7 individual labels per strip, for a terminal block width of 8.2 mm				
	white	**UCT-TM 8**	0828740	10
	red	**UCT-TM 8 RD**	0829164	10
	yellow	**UCT-TM 8 YE**	0828741	10
	blue	**UCT-TM 8 BU**	0829167	10
UniCard, for terminal blocks with a tall marker groove, 36-section, 6 individual labels per strip, for a terminal block width of 10.2 mm				
	white	**UCT-TM 10**	0829142	10
	red	**UCT-TM 10 RD**	0829169	10
	yellow	**UCT-TM 10 YE**	0829143	10
	blue	**UCT-TM 10 BU**	0829172	10
UniCard, for terminal blocks with a tall marker groove, 30-section, 5 individual labels per strip, for a terminal block width of 12 mm				
	white	**UCT-TM 12**	0829144	10
	red	**UCT-TM 12 RD**	0829174	10
	yellow	**UCT-TM 12 YE**	0829145	10
	blue	**UCT-TM 12 BU**	0829177	10
UniCard, for terminal blocks with a tall marker groove, 18-section, 3 individual labels per strip, for a terminal block width of 16 mm				
	white	**UCT-TM 16**	0829146	10
	red	**UCT-TM 16 RD**	0829179	10
	yellow	**UCT-TM 16 YE**	0829147	10
	blue	**UCT-TM 16 BU**	0829182	10

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UniCard terminal marking for flat marker groove



Can be marked using:



Direct laser marking



UV LED technology





Markers for a terminal block width of up to 6.2 mm



Thermal transfer

- The UCT-TMF ... UniCard marking range includes markers for products with tall and flat marker grooves
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
- The multi-section marking strips can be easily separated and are easy to fit
- The sheets provide space for including function texts
- The UCT sheets can also be used with the THERMOMARK CARD-UCT-MAG2 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 60.

Technical data

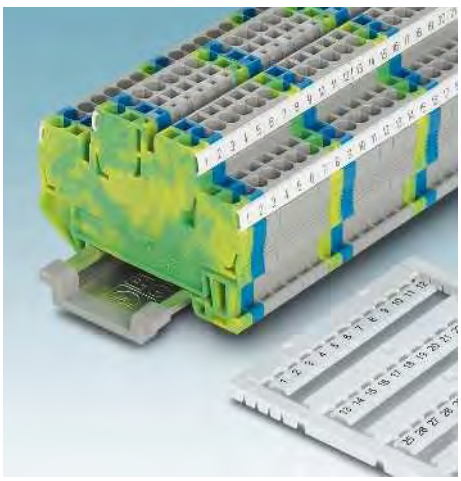
General data	
Can be marked with	TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material	PC
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for terminal blocks with a flat marker groove, 108-section, 18 individual labels per strip, for a terminal block width of 3.5 mm				
	white	**UCT-TMF 3,5**	0829486	10
	red	**UCT-TMF 3,5 RD**	0829515	10
	yellow	**UCT-TMF 3,5 YE**	0829487	10
	blue	**UCT-TMF 3,5 BU**	0829518	10
UniCard, for terminal blocks with a flat marker groove, 90-section, 15 individual labels per strip, for a terminal block width of 4.2 mm				
	white	**UCT-TMF 4**	0828742	10
	red	**UCT-TMF 4 RD**	0829184	10
	yellow	**UCT-TMF 4 YE**	0828743	10
	blue	**UCT-TMF 4 BU**	0829187	10
UniCard, for terminal blocks with a flat marker groove, 72-section, 12 individual labels per strip, for a terminal block width of 5.2 mm				
	white	**UCT-TMF 5**	0828744	10
	red	**UCT-TMF 5 RD**	0829189	10
	yellow	**UCT-TMF 5 YE**	0828745	10
	blue	**UCT-TMF 5 BU**	0829192	10
UniCard, for terminal blocks with a flat marker groove, 60-section, 10 individual labels per strip, for a terminal block width of 6.2 mm				
	white	**UCT-TMF 6**	0828746	10
	red	**UCT-TMF 6 RD**	0829194	10
	yellow	**UCT-TMF 6 YE**	0828747	10
	blue	**UCT-TMF 6 BU**	0829197	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-TMF...	**TMP-UCT-MAG2**	0803343	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard terminal marking for flat marker groove



Markers for terminal block widths up to 16 mm

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

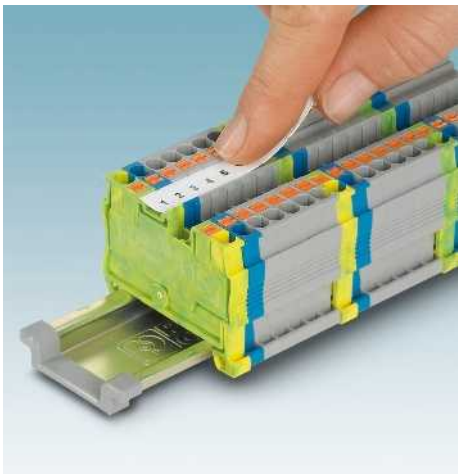
Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for terminal blocks with a flat marker groove, 42-section, 7 individual labels per strip, for a terminal block width of 8.2 mm				
	white	**UCT-TMF 8**	0828748	10
	red	**UCT-TMF 8 RD**	0829199	10
	yellow	**UCT-TMF 8 YE**	0828749	10
	blue	**UCT-TMF 8 BU**	0829202	10
UniCard, for terminal blocks with a flat marker groove, 36-section, 6 individual labels per strip, for a terminal block width of 10.2 mm				
	white	**UCT-TMF 10**	0829204	10
	red	**UCT-TMF 10 RD**	0829205	10
	yellow	**UCT-TMF 10 YE**	0829207	10
	blue	**UCT-TMF 10 BU**	0829209	10
UniCard, for terminal blocks with a flat marker groove, 30-section, 5 individual labels per strip, for a terminal block width of 12 mm				
	white	**UCT-TMF 12**	0829214	10
	red	**UCT-TMF 12 RD**	0829212	10
	yellow	**UCT-TMF 12 YE**	0829211	10
	blue	**UCT-TMF 12 BU**	0829216	10
UniCard, for terminal blocks with a flat marker groove, 24-section, 4 individual labels per strip, for a terminal block width of 16 mm				
	white	**UCT-TMF 16**	0829218	10
	red	**UCT-TMF 16 RD**	0829219	10
	yellow	**UCT-TMF 16 YE**	0829221	10
	blue	**UCT-TMF 16 BU**	0829223	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-TMF...	**TMP-UCT-MAG2**	0803343	1

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UniSheet terminal marking for universal marker groove



Can be marked using:

UV LED technology

Thermal transfer

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13 strips with a strip width of 104 mm

- The US-TM 100 UniSheet markers are suitable for products with universal marker grooves
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively.
- The perforated marking strips are easy to separate and can be easily fitted
- The cards provide space for including function texts
- The UniSheet can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 60.

Technical data

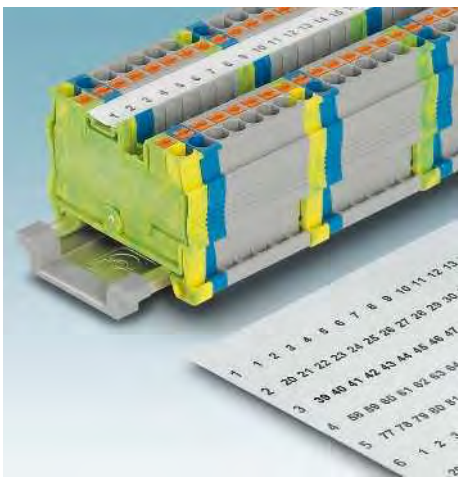
General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, for Push-in terminal blocks with a special center groove	white	**US-TM 100**	0829255	10

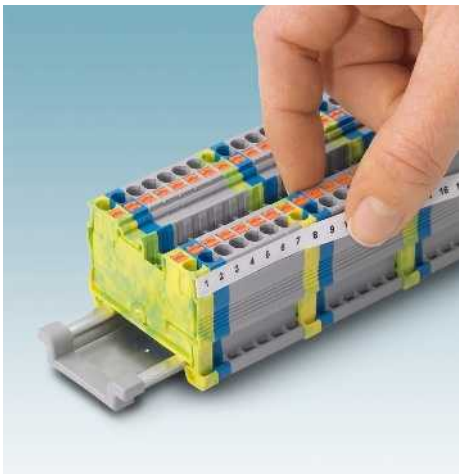
Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniSheet terminal marking for flat marker groove



- The US-TMF 100 UniSheet markers are suitable for products with a flat marker groove
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively.
- The perforated marking strips are easy to separate and can be easily fitted
- The cards provide space for including function texts
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 60.

Can be marked using:

UV

UV LED technology

Thermal transfer

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20 strips with a strip width of 104 mm

Technical data

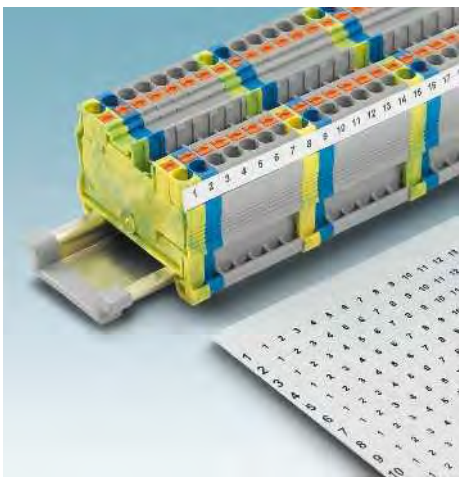
General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, for terminal blocks with tall, flat or universal marker groove	white	**US-TMF 100**	0829260	10
UniSheet, self-adhesive marker strips for terminal blocks with flat marker groove	white	**US-TMFL 100**	0830339	10

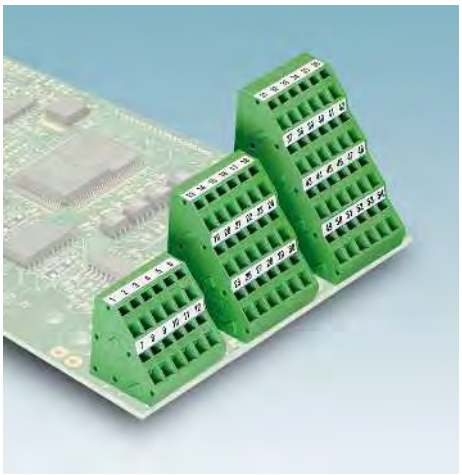
Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniSheet marker strips, self-adhesive, for terminal blocks without marker groove



- The US-TML marking range includes self-adhesive marker strips for products without a marker groove
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively.
- The perforated marking strips are easy to separate and can be easily fitted
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- The cards provide space for including function texts

Can be marked using:



UV LED technology



Thermal transfer



26 strips, 104 mm wide, 2.8 mm high

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Number of individual labels		26
Number of individual labels per strip		1
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, self-adhesive marker strips for terminal blocks without marker groove Lettering field size: 104 x 2.8 mm	white	**US-TML (104X2,8)**	0830767	10
UniSheet, self-adhesive marker strips for terminal blocks without marker groove Lettering field size: 104 x 3.8 mm	white			
UniSheet, self-adhesive marker strips for terminal blocks without marker groove Lettering field size: 104 x 5 mm	white			
UniSheet, self-adhesive marker strips for terminal blocks without marker groove Lettering field size: 104 x 10 mm	white			

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

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22 strips, 104 mm wide, 3.8 mm high



19 strips, 104 mm wide, 5 mm high



11 strips, 104 mm wide, 10 mm high

Technical data

BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
22
1
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
US-TML (104X3,8)	0830768	10

Accessories

TMP-US-MAG1	0803341	1
BM ID-ADAPTER PLATE-US	1044355	1

Technical data

BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
19
1
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
US-TML (104X5)	0830769	10

Accessories

TMP-US-MAG1	0803341	1
BM ID-ADAPTER PLATE-US	1044355	1

Technical data

BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
11
1
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
US-TML (104X10)	0830770	10

Accessories

TMP-US-MAG1	0803341	1
BM ID-ADAPTER PLATE-US	1044355	1

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Marker strips for tall and flat marker grooves



- The TMT marking range includes markers for all products with tall and flat marker grooves
- The perforated marking strips are easy to separate and can be easily fitted using the tool supplied
- Quick and cost-effective marking with THERMOMARK ... roll printers from Phoenix Contact
- When combined with the right ink ribbon, the marking is highly resistant to chemical and mechanical influences. It is even suitable for use under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark TMT markers according to your requirements
- **Designation example:**
  TMT 4 R
  Pitch: 4.2 mm
  Type of packaging: roll

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 60.

[1]) The TMT TOOL snap-in tool can only be used for terminal blocks from Phoenix Contact.

Can be marked using:

Thermal transfer for rolls



Markers for terminal block widths up to 10.2 mm

Technical data

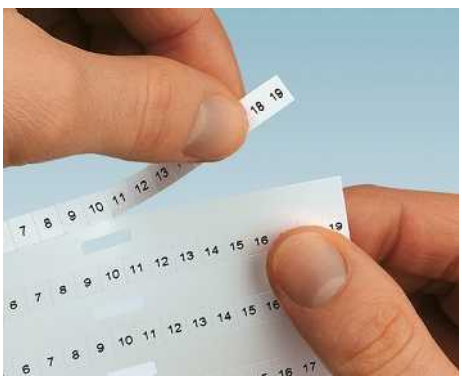
General data		
Can be marked with		THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Insert strips, perforated, for all terminal blocks with tall, flat or universal marker groove, incl. TMT TOOL, can be marked with thermal transfer printer, for a terminal block width of 4.2 mm, strip height: 6.4 mm 1 roll = 1000 strips, 24 individual labels per strip	white	**TMT 4 R**	0816375	1
Insert strips, as above, for a terminal block width of 5.2 mm, strip height: 6.4 mm 1 roll = 1000 strips, 19 individual labels per strip	white	**TMT 5 R**	0816430	1
Insert strips, as above, for a terminal block width of 6.2 mm, strip height: 6.4 mm 1 roll = 1000 strips, 16 individual labels per strip	white	**TMT 6 R**	0816498	1
Insert strips, as above, for a terminal block width of 8.2 mm, strip height: 6.4 mm 1 roll = 1000 strips, 12 individual labels per strip	white	**TMT 8 R**	0816553	1
Insert strips, for a terminal block width of 10.2 mm, strip height: 6.4 mm 1 roll = 1000 strips, 10 individual labels per strip	white	**TMT 10 R**	0816210	1
Insert strips, width: 101.5 mm, strip height: 6.4 mm 1 roll = 1000 strips, 1 individual label per strip	white	**TMT 100 R**	0816605	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm		**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1
Snap-in tool, for fitting TMT... materials[1])	orange	**TMT TOOL**	0816650	1



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Terminal marking, marker strips for tall and flat marker grooves



- The TMT marking range includes markers for all products with tall and flat marker grooves
- Quick and cost-effective marking with THERMOMARK ... roll printers from Phoenix Contact
- The thermal transfer printer cutting units make it possible to quickly and cleanly trim connection terminal block markings precisely to the required length
- When combined with the right ink ribbon, the marking is highly resistant to chemical and mechanical influences. It is even suitable for use under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark TMT markers according to your requirements
- **Designation example:**
  TMT (Ex5,5)R
  Lettering field length: continuous
  Lettering field height: 5.5 mm
  Type of packaging: roll

Notes:

1) The TMT TOOL snap-in tool can only be used for terminal blocks from Phoenix Contact.

Can be marked using:

Thermal transfer for rolls

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Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		PVC
Material thickness		0.50 mm -
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Continuous insert strips, can be marked with thermal transfer printer, can be separated with a cutter, pitch as desired, strip length up to 1000 mm				
1 roll = 50 m continuous, height: 5.5 mm	white	**TMT (EX5,5)R**	0803062	1
1 roll = 50 m continuous, height: 6.2 mm	white	**TMT (EX6,2)R**	0803063	1
1 roll = 50 m continuous, height: 6.3 mm	white	**TMT (EX6,3)R**	0803998	1
1 roll = 50 m continuous, height: 6.5 mm	white	**TMT (EX6,5)R**	0803064	1
1 roll = 50 m continuous, height: 7.5 mm	white	**TMT (EX7,5)R**	0803065	1
1 roll = 50 m continuous, height: 8.0 mm	white	**TMT (EX8)R**	0803066	1
1 roll = 50 m continuous, height: 8.5 mm	white	**TMT (EX8,5)R**	0803067	1
1 roll = 50 m continuous, height: 9.5 mm	white	**TMT (EX9,5)R**	0828295	1
1 roll = 50 m continuous, height: 10 mm	white	**TMT (EX10)R**	0803068	1
1 roll = 50 m continuous, height: 10.5 mm	white	**TMT (EX10,5)R**	0803070	1
1 roll = 50 m continuous, height: 10.8 mm	white	**TMT2 (EX11)R**	0802683	1
1 roll = 50 m continuous, height: 12.0 mm	white	**TMT (EX12)R**	0803071	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm	**TM-RIBBON 25 BK 102**	1053499	1
Snap-in tool, for fitting TMT... materials[1] orange	**TMT TOOL**	0816650	1

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TMT ... terminal marking for terminal blocks from Phoenix Contact and other manufacturers

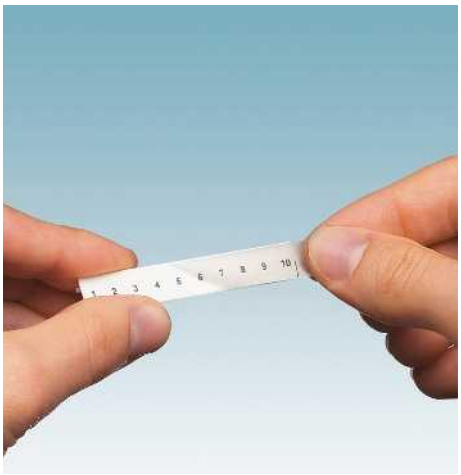


	TMT (EX5,5)R	TMT (EX6,2)R	TMT (EX6,5)R	TMT (EX7,5)R	TMT (EX8)R	TMT (EX8,5)R	TMT (EX9,5)R	TMT (EX10)R	TMT (EX10,5)R	TMT2 (EX11)R	TMT (EX12)R
TMT – markers, roll	0803062	0803063	0803064	0803065	0803066	0803067	0828295	0803068	0803070	0802683	0803071
Strip height	5.5	6.2	6.5	7.5	8	8.5	9.5	10	10.5	10.8	12
Terminal block manufacturer											
Phoenix Contact		■					■				
Fuji Electronics Industry					■			■			
IDEC	■			■			■	■			
KASUGA	■		■				■				
TOGI						■		■			■
WAGO (2001 ... - 2016 ...)										■	
Yoshida Electronics	■		■	■		■		■	■		■

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Self-adhesive marker strips

Can be marked using:



Thermal transfer for rolls



Marker with strip width of 101.5 mm

- Zack marker strips and flat zack marker strips can be marked subsequently with the TML marking foil
- Quick and cost-effective marking with THERMOMARK ... roll printers from Phoenix Contact
- When combined with the right ink ribbon, the marking is highly resistant to chemical and mechanical influences. It is even suitable for use under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark many TML ... labels according to your requirements
- **Designation example:**
  TML (101x9,5)R TR
  Lettering field width: 101 mm
  Lettering field height: 9.5 mm
  Type of packaging: roll
  TR = transparent

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 60.

Technical data

General data		
Can be marked with		THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Labels for zack marker strip, can be marked with a thermal transfer printer, width: 101 mm, height: 9.5 mm 1 roll = 1000 labels	transparent	**TML (101X9,5)R TR**	0816647	1
Labels for zack marker strip, flat, can be marked with a thermal transfer printer, width: 101 mm, height: 4.2 mm 1 roll = 2500 labels	transparent	**TML (101X4,2)R TR**	0816621	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm	**TM-RIBBON 110 WH 100**	0804661	1



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Self-adhesive marker strips

– Marking service: Phoenix Contact can custom-mark many TML ... labels according to your requirements
– **Designation example:**
TML (Ex9,5)R TR
Lettering field width: continuous
Lettering field height: 9.5 mm
Type of packaging: roll
TR = transparent



Markers with varying strip heights, continuous

Technical data

General data		
Can be marked with		THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Continuous labels for zack marker strips, can be marked with thermal transfer printer, can be separated with a cutter, pitch as desired, strip length up to 1000 mm, 1 roll = 40 m continuous, height: 9.5 mm	transparent	**TML (EX9,5)R TR**	0816634	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm	**TM-RIBBON 110 WH 100**	0804661	1

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Self-adhesive marker strips for terminal blocks without a marker groove



- The self-adhesive marker strips from the TML marking range mark products without a marker groove
- Quick and cost-effective marking with THERMOMARK ... roll printers from Phoenix Contact
- When combined with the right ink ribbon, the marking is highly resistant to chemical and mechanical influences. It is even suitable for use under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark many TML ... labels according to your requirements
- **Designation example:**
  TML (104x2,8)R
  Lettering field width: 104 mm
  Lettering field height: 2.8 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked

Technical data

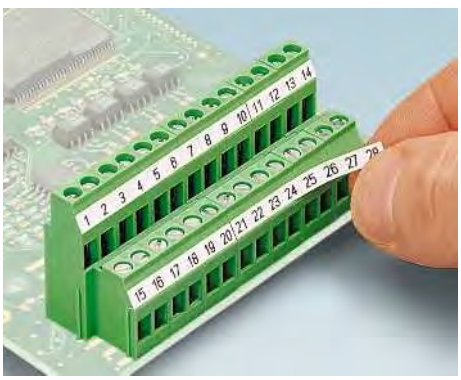
General data		
Can be marked with		THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Number of individual labels per strip		1
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Labels, can be marked with a thermal transfer printer				
1 roll = 2500 labels	white	**TML (104X2,8)R**	0801832	1
1 roll = 2500 labels	white	**TML (104X3,8)R**	0801833	1
1 roll = 2500 labels	white	**TML (104X5)R**	0801834	1
1 roll = 1500 labels	white	**TML (104X10)R**	0801835	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1



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Self-adhesive marker strips for terminal blocks without marker groove, continuous

- The self-adhesive marker strips from the TML marking range mark products without a marker groove
- Marking service: Phoenix Contact can custom-mark many TML ... labels according to your requirements
- **Designation example: TML (Ex2,8) R**
  Strip length: continuous
  Strip height: 2.8 mm
  Type of packaging: roll

Notes:

If you wish to process large rolls with the THERMOMARK ROLL..., use the THERMOMARK ROLL-ERH external media hub.
See printers, page 40.



Unmarked

new



Markers with varying strip heights, continuous

Technical data

General data			
Can be marked with		THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2	THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		Polyester	Polyester
Temperature range	[°C]	-40 ... 150	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Continuous labels, can be marked with thermal transfer printer, can be separated with a cutter, pitch as desired, strip length up to 1000 mm,							
1 roll = 30 m continuous, height: 2.8 mm, 14 strips	white	**TML (EX2,8)R**	0801836	1			
1 roll = 30 m continuous, height: 3.8 mm, 12 strips	white	**TML (EX3,8)R**	0801837	1			
1 roll = 30 m continuous, height: 5.0 mm, 10 strips	white	**TML (EX5)R**	0801838	1			
1 roll = 30 m continuous, height: 7.0 mm, 8 strips	white	**TML (EX7)R**	0830837	1			
1 roll = 30 m continuous, height: 7.0 mm, 8 strips	silver	**TML (EX7)R SR**	0830838	1			
1 roll = 30 m continuous, height: 10.0 mm, 7 strips	white	**TML (EX10)R**	0801839	1			
1 roll = 150 m continuous, height: 6.0 mm, 1 strip	white				**TML (EX6)RL**	1026829	1
1 roll = 150 m continuous, height: 10.0 mm, 1 strip	white				**TML (EX10)RL**	1067779	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm	**TM-RIBBON 25 BK 102**	1053499	1

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Self-adhesive marker strips for terminal blocks without a marker groove

– The self-adhesive marker strips from the SK marking range mark products without a marker groove
– Ideal for marking COMBICON connectors
– Quick and cost-effective marking with THERMOMARK ... roll printers from Phoenix Contact

Notes:

The print image may vary depending on the laser printer.

If you wish to process SK rolls with the THERMOMARK ROLL..., use the THERMOMARK ROLL-ERH external media hub.
See printers, page 40.



Markers with a strip length of up to 1000 mm



Markers with a strip length of up to 185 mm

Technical data

General data			
Can be marked with		THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2	PLOTMARK • CMS-P1-PLOTTER • Office printing systems
Material		Polyester	Polyester
Temperature range	[°C]	-40 ... 150	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Continuous labels, can be marked with thermal transfer printer, can be separated with a cutter, pitch as desired, strip length up to 1000 mm							
1 roll = 90 m continuous, height: 2.8 mm, 14 strips	white	**SK 2,8 WH:REEL**	0805205	1			
Continuous labels, can be marked with thermal transfer printer, can be separated with a cutter, pitch as desired, strip length up to 1000 mm							
1 roll = 90 m continuous, height: 3.8 mm, 12 strips	white	**SK 3,8 WH:REEL**	0805218	1			
Continuous labels, can be marked with thermal transfer printer, can be separated with a cutter, pitch as desired, strip length up to 1000 mm							
1 roll = 90 m continuous, height: 5.0 mm, 10 strips	white	**SK 5,0 WH:REEL**	0805221	1			
Continuous labels, can be marked with thermal transfer printer, can be separated with a cutter, pitch as desired, strip length up to 1000 mm							
1 roll = 90 m continuous, height: 10.0 mm, 7 strips	white	**SK 10,0 WH:REEL**	0812188	1			
Label sheet, DIN A4 format, can be marked with laser printer,							
1 sheet = 50 strips, width: 185 mm, height: 2.8 mm	white				**SK U/2,8 WH:UNBEDRUCKT**	0803883	10
Label sheet, DIN A4 format, can be marked with laser printer,							
1 sheet = 40 strips, width: 185 mm, height: 3.8 mm	white				**SK U/3,8 WH:UNBEDRUCKT**	0803906	10
Label sheet, DIN A4 format, can be marked with laser printer,							
1 sheet = 35 strips, width: 185 mm, height: 5.0 mm	white				**SK U/5,0 WH:UNBEDRUCKT**	0803922	10

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm			
	THERMOMARK-RIBBON 110	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm			
	THERMOMARK-RIBBON 110/50	0800687	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Self-adhesive marker strips for terminal blocks without a marker groove



- The self-adhesive marker strips from the SK marking range mark products without a marker groove
- Ideal for marking COMBICON connectors
- Marking service: Phoenix Contact can custom-mark many SK ... labels according to your requirements
- **Designation example:**
  SK 2,54/2,8:FORTL.ZAHLEN
  Pitch: 2.54 mm
  Strip height: 2.8 mm
  Consecutive numbers,: e.g., 1-10
  Type of packaging: cards

PRINTED FOR YOU



Markers marked up to 5.08 mm pitch

Technical data

General data		
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marker card, printed horizontally, self-adhesive, 10-section marker strips, 14 identical sets of ten marked, e.g., 1-10, 11-20, and so on up to 91-99, enough to mark 140 terminal blocks	white	**SK 2,54/2,8:FORTL.ZAHLEN**	0804853	10
Marker card, printed horizontally, self-adhesive, 10-section marker strips, 14 identical sets of ten marked, e.g., 1-10, 11-20, and so on up to 91-99, enough to mark 140 terminal blocks	white	**SK 3,5/2,8:FORTL.ZAHLEN**	0804073	10
Marker card, printed horizontally, self-adhesive, 10-section marker strips, 14 identical sets of ten marked, e.g., 1-10, 11-20, and so on up to 91-99, enough to mark 140 terminal blocks	white	**SK 3,81/2,8:FORTL.ZAHLEN**	0804109	10
Marker card, printed horizontally, self-adhesive, 10-section marker strips, 14 identical sets of ten marked, e.g., 1-10, 11-20, and so on up to 91-100, enough to mark 140 terminal blocks	white	**SK 5,08/2,8:FORTL.ZAHLEN**	0804280	10



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

Self-adhesive marker strips for terminal blocks without a marker groove



Markers marked up to 7.62 mm pitch

Technical data

General data		
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marker card, printed horizontally, self-adhesive, 10-section marker strip, 12 identical decades marked, e.g., 1-10, 11-20, and so on up to 91-100, enough to mark 120 terminal blocks	white	**SK 5/3,8:FORTL.ZAHLEN**	0804183	10
Marker card, printed horizontally, self-adhesive, 10-section marker strip, 12 identical decades marked, e.g., 1-10, 11-20, and so on up to 91-100, enough to mark 120 terminal blocks	white	**SK 5,08/3,8:FORTL.ZAHLEN**	0804293	10
Marker card, printed horizontally, self-adhesive, 10-section marker strip, 12 identical decades marked, e.g., 1-10, 11-20, and so on up to 91-100, enough to mark 120 terminal blocks	white	**SK 6,2/3,8:FORTL.ZAHLEN**	0804374	10
Marker card, printed horizontally, self-adhesive, 10-section marker strip, 12 identical decades marked, e.g., 1-10, 11-20, and so on up to 91-100, enough to mark 120 terminal blocks	white	**SK 7,5/3,8:FORTL.ZAHLEN**	0804455	10
Marker card, printed horizontally, self-adhesive, 10-section marker strip, 12 identical decades marked, e.g., 1-10, 11-20, and so on up to 91-100, enough to mark 120 terminal blocks	white	**SK 7,62/3,8:FORTL.ZAHLEN**	0804549	10

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Self-adhesive marker strips for terminal blocks without a marker groove

– The SK self-adhesive marker strips mark products without a marker groove
– Marking service: Phoenix Contact can custom-mark many SK markers according to your requirements



Markers marked with 7.5 mm pitch



Markers marked with 7.62 mm pitch

		Technical data	Technical data
General data			
Material		Polyester	Polyester
Temperature range	[°C]	-40 ... 150	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen	Free from silicone and halogen

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Marker card, printed horizontally, self-adhesive, 10-section marker strip, 10 identical decades marked, e.g., 1-10, 11-20, and so on up to 91-100, enough to mark 100 terminal blocks	white	**SK 7,5/5:FORTL.ZAHLEN**	0804468	10	**SK 7,62/5:FORTL.ZAHLEN**	0804552	10

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UniCard group marking for snapping into CLIPFIX 35-5 end bracket



- Group marking which saves space
- Large-surface marking option
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The markers support multi-line marking
- The sheets provide space for including function texts
- The UCT sheet can also be used with the THERMOMARK CARD-UCT-MAG10 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Number of individual labels		24
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking the CLIPFIX 35-5 end bracket, 24-section, 8 individual labels per strip, lettering field size: 30 x 5 mm				
	white	**UCT-EM (30X5)**	0801505	10
	yellow	**UCT-EM (30X5) YE**	0830340	10

Accessories

End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs			
	CLIPFIX 35-5	3022276	50
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (30x5)			
	TMP-UCT-MAG10	0803352	1

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Terminal block group marking for snapping into tall marker groove

- Space-saving group marking directly on the terminal block
- Fits all terminal blocks with an overall width of 3.5 mm and a tall center marker groove
- Large-surface marking with labels or manually using B-STIFT or X-PEN



3.5 mm and 5.2 mm pitch

Technical data

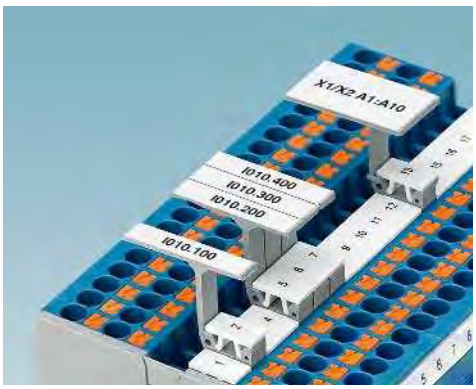
General data		
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Group marking label, can be snapped into terminal center, can be marked with an EML (24X3)R or EML (25,4X12,7)R... label or manually with B-STIFT or X-PEN, in the foot part with ZB 3,5 or UCT-TM 3,5				
	gray	**GBS 3,5-25X3,5**	0830290	100
	gray	**GBS 3,5-25X12**	0830292	100
Group marking label, can be snapped into terminal center, can be marked with an EML (24X4)R or EML (25,4X12,7)R... label or manually with B-STIFT or X-PEN, in the foot part with ZB 5, UC-TM 5 or UCT-TM 5				
	gray	**GBS 5-25X5**	0829126	100
	gray	**GBS 5-25X12**	0810588	100

Accessories

Labels for thermal transfer printer				
1 roll = 2500 labels	white	**EML (24X3)R**	0830291	1
1 roll = 2500 labels	white	**EML (25,4X12,7)R**	0816825	1
1 roll = 1000 labels	white	**EML (24X4)R**	0800061	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

STP ... marker carriers, for multi-level terminal blocks





STP ...

– The marker carriers enlarge the marking areas of wired multi-level terminal blocks
– Depending on the version, the marker carriers are placed in the receptacles on the upper terminal block level

STP ...-ZB

– The marker carriers can, for example, snap into the center marking groove of ST spring-cage terminal blocks and double the marking area; see figure below

CARRIER-TM 300

– Can be snapped into all terminal blocks in the CLIPLINE complete system that have a lateral flat marker groove
– For accommodating ZB ..., UC-TM ... or UCT-TM ... terminal markers, which increases the marking area

CARRIER-TMD 300

– Double-row snap-in marker adapter for accommodating two ZB ... or UC-TM ... and UCT-TM ... terminal markers, which doubles the marking area



Technical data

General data		
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 100
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Double marker carrier, can be snapped into PTTB 1,5/S Push-in double-level terminal blocks, can be marked with: ZB(F) 3,5 or UCT-TM(F) 3,5	gray	**STP 3,5-2**	0830131	100
Triple marker carrier, can be snapped into the PT 1,5/S-3... Push-in three-level terminal block, can be marked with: ZB(F) 3,5 or UCT-TM(F) 3,5	gray	**STP 3,5-3**	0830132	100
Double marker carrier, can be snapped into STTB 1,5, PTTB 1,5 double-level spring-cage terminal blocks, can be marked with: UC-TM(F) 4, ZB(F) 4 or UCT-TM(F) 4	gray	**STP 4-2**	0810575	100
Double marker carrier, can be snapped into STTB 2,5, STTB 4, PTTB 2,5, PTTB 4 double-level terminal blocks, can be marked with: UC-TM(F) 5, ZB(F) 5 or UCT-TM(F) 5	gray	**STP 5-2**	0800967	100
Triple marker carrier, can be snapped into the ST 2,5-3..., PT 2,5-3... three-level terminal block, can be marked with: UC-TM(F) 5, ZB(F) 5 or UCT-TM 5	gray	**STP 5-3**	0810562	100
Double marker carrier, can be snapped into QTTCB ... and QTTCBS ... double-level fast-connection terminal blocks, can be marked with: UC-TM(F) 5, ZB(F) 5 or UCT-TM(F) 5	gray	**STP 5-2/S**	0800970	100
Double marker carrier, can be snapped into all terminal blocks with a width of 4.2 mm and a central zack marker strip groove, can be marked with: UC-TM(F) 4, ZB(F) 4 or UCT-TM(F) 4	gray	**STP 4-2-ZB**	3038613	100
Double marker carrier, can be snapped into all terminal blocks with a width of 5.2 mm or above and a central zack marker strip groove, can be marked with: UC-TM(F) 5, ZB(F) 5 or UCT-TM(F) 5	gray	**STP 5-2-ZB**	3037643	100
Marker adapter, 300 mm long, can be snapped into the lateral groove on terminal blocks, designed to accommodate UC-TM..., ZB... or UCT-TM...	gray	**CARRIER-TM 300**	0828282	25
Marker adapter, such as the CARRIER-TM 300; marking area at an angle to the top of the terminal block, designed to accommodate UC-TM..., ZB... or UCT-TM...	gray	**CARRIER-TMH 300**	0830670	25
Marker adapter, double row, 300 mm long, can be snapped into the center groove on terminal blocks, designed to accommodate two UC-TM..., ZB... or UCT-TM...	gray	**CARRIER-TMD 300**	0828693	25

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WS... warning labels





- Warning labels and warning covers serve to cover and identify mains terminal blocks
- This prevents accidental actuation of the terminal points
- The WS UT ... warning labels snap into the screw shafts of the relevant terminal block, they can be isolated lengthwise and crosswise
- The WS PT ... warning labels snap into the inspection holes of the Push-in terminal blocks

Technical data

General data	
Material	PVC
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Warning label, for PT series				
5.2 mm wide	yellow/black	**WS PT 2,5**	1029026	10
6.2 mm wide	yellow/black	**WS PT 4**	1029563	10
8.2 mm wide	yellow/black	**WS PT 6**	1029029	10
10.2 mm wide	yellow/black	**WS PT 10**	1029030	10
12 mm wide	yellow/black	**WS PT 16**	1029033	10
Warning label, for UT series				
5.2 mm wide	yellow/black	**WS UT 2,5**	3047923	10
6.2 mm wide	yellow/black	**WS UT 4**	3047332	10
8.2 mm wide	yellow/black	**WS UT 6**	3047345	10
10.2 mm wide	yellow/black	**WS UT 10**	3047361	10
12 mm wide	yellow/black	**WS UT 16**	3047374	10
16 mm wide	yellow/black	**WS UT 35**	3047387	10
Warning cover, for ST series				
4.2 mm wide	yellow	**WST 1,5**	3030958	50
5.2 mm wide	yellow	**WST 2,5**	3030941	50
6.2 mm wide	yellow	**WST 4**	3030954	50
8.2 mm wide	yellow	**WST 6**	3030967	10
10.2 mm wide	yellow	**WST 10/35**	3030006	25



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UniCard marking for terminal blocks from other manufacturers with tall marker groove



- The UC1-TM ... UniCard marking range includes markers for Weidmüller, CONTA-CLIP, and Klemsan terminal blocks
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The multi-section marking strips can be easily separated and are easy to fit
- The markers support multi-line marking
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of markable terminal blocks can be found on page 80 onwards.

Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

Technical data

General data		
Can be marked with		BLUEMARK ID • BLUEMARK ID COLOR • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm				
	white	**UC1-TM 5**	0821784	10
	red	**UC1-TM 5 RD**	0828185	10
	yellow	**UC1-TM 5 YE**	0828187	10
	blue	**UC1-TM 5 BU**	0828188	10
UniCard, for marking terminal blocks from other manufacturers, offset foot, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm				
	white	**UC1U-TM 5**	0821302	10
UniCard, for marking terminal blocks from other manufacturers, 80-section, 10 individual labels per strip, for a terminal block width of 6 mm				
	white	**UC1-TM 6**	0821247	10
	red	**UC1-TM 6 RD**	0828190	10
	yellow	**UC1-TM 6 YE**	0828192	10
	blue	**UC1-TM 6 BU**	0828193	10
UniCard, for marking terminal blocks from other manufacturers, 64-section, 8 individual labels per strip, for a terminal block width of 8 mm				
	white	**UC1-TM 8**	0821739	10
	red	**UC1-TM 8 RD**	0828195	10
	yellow	**UC1-TM 8 YE**	0828197	10
	blue	**UC1-TM 8 BU**	0828198	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK			
	P1 UC-MAG 5	5146118	1

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UniCard marking for terminal blocks from other manufacturers with flat marker groove



- The UC1-TMF ... UniCard marking range includes markers for Weidmüller, Wago, ABB (entrelec), CONTA-CLIP, and Klemsan terminal blocks
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The multi-section marking strips can be easily separated and are easy to fit
- The markers support multi-line marking
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of markable terminal blocks can be found on page 80 onwards.

Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

Technical data

General data		
Can be marked with		BLUEMARK ID • BLUEMARK ID COLOR • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 120-section, 15 individual labels per strip, for a terminal block width of 4 mm				
	white	**UC1-TMF 4**	0821360	10
	red	**UC1-TMF 4 RD**	0828200	10
	yellow	**UC1-TMF 4 YE**	0828202	10
	blue	**UC1-TMF 4 BU**	0828203	10
UniCard, for marking terminal blocks from other manufacturers, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm				
	white	**UC1-TMF 5**	0821425	10
	red	**UC1-TMF 5 RD**	0828205	10
	yellow	**UC1-TMF 5 YE**	0828127	10
	blue	**UC1-TMF 5 BU**	0828207	10
UniCard, for marking terminal blocks from other manufacturers, 80-section, 10 individual labels per strip, for a terminal block width of 6 mm				
	white	**UC1-TMF 6**	0821483	10
	red	**UC1-TMF 6 RD**	0828209	10
	yellow	**UC1-TMF 6 YE**	0828211	10
	blue	**UC1-TMF 6 BU**	0828212	10
UniCard, for marking terminal blocks from other manufacturers, 64-section, 8 individual labels per strip, for a terminal block width of 8 mm				
	white	**UC1-TMF 8**	0821548	10
	red	**UC1-TMF 8 RD**	0828214	10
	yellow	**UC1-TMF 8 YE**	0828216	10
	blue	**UC1-TMF 8 BU**	0828217	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK		
P1 UC-MAG 4	5146105	1

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UniCard marking for terminal blocks from other manufacturers with tall marker groove



- The UC2-TM ... UniCard marking range includes markers for Wago terminal blocks
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The multi-section marking strips can be easily separated and are easy to fit
- The markers support multi-line marking
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of markable terminal blocks can be found on page 80 onwards.

Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

Technical data

General data		
Can be marked with		BLUEMARK ID • BLUEMARK ID COLOR • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 120-section, 15 individual labels per strip, for a terminal block width of 4 mm	white	**UC2-TM 4**	0821713	10
UniCard, for marking terminal blocks from other manufacturers, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm	white	**UC2-TM 5**	0821690	10
UniCard, for marking terminal blocks from other manufacturers, 80-section, 10 individual labels per strip, for a terminal block width of 6 mm	white	**UC2-TM 6**	0821674	10
UniCard, for marking terminal blocks from other manufacturers, 64-section, 8 individual labels per strip, for a terminal block width of 8 mm	white	**UC2-TM 8**	0821755	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK	**P1 UC-MAG 5**	5146118	1

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UniCard marking for terminal blocks from other manufacturers with flat marker groove



- The UC2F-TM ... UniCard marking range includes markers for ABB (Entrelec) terminal blocks
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The multi-section marking strips can be easily separated and are easy to fit
- The markers support multi-line marking
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of markable terminal blocks can be found on page 80 onwards.

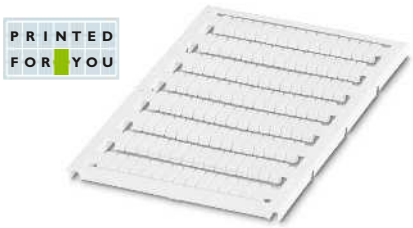
Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

Technical data

General data	
Can be marked with	BLUEMARK ID • BLUEMARK ID COLOR • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material	PA
Flammability rating in accordance with UL 94	V2
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 120-section, 15 individual labels per strip, for a terminal block width of 4 mm	white	**UC2F-TM 4**	0822178	10
UniCard, for marking terminal blocks from other manufacturers, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm	white	**UC2F-TM 5**	0822181	10
	yellow	**UC2F-TM 5 YE**	1057110	10
UniCard, for marking terminal blocks from other manufacturers, 80-section, 10 individual labels per strip, for a terminal block width of 6 mm	white	**UC2F-TM 6**	0822194	10
UniCard, for marking terminal blocks from other manufacturers, 64-section, 8 individual labels per strip, for a terminal block width of 8 mm	white	**UC2F-TM 8**	0822204	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK	**P1 UC-MAG 4**	5146105	1

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UniCard marking for terminal blocks from other manufacturers with tall marker groove



- The UC3-TM ... UniCard marking range includes markers for Wieland and Legrand terminal blocks
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The multi-section marking strips can be easily separated and are easy to fit
- The markers support multi-line marking
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of markable terminal blocks can be found on page 80 onwards.

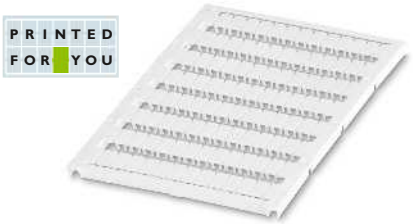
Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

Technical data

General data		
Can be marked with		BLUEMARK ID • BLUEMARK ID COLOR • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm	white	**UC3-TM 5**	0822369	10
UniCard, for marking terminal blocks from other manufacturers, 80-section, 10 individual labels per strip, for a terminal block width of 6 mm	white	**UC3-TM 6**	0822385	10
UniCard, for marking terminal blocks from other manufacturers, 64-section, 8 individual labels per strip, for a terminal block width of 8 mm	white	**UC3-TM 8**	0822408	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK	**P1 UC-MAG 1**	5146079	1

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UniCard marking for terminal blocks from other manufacturers with tall marker groove



- The UC4-TM ... UniCard markers are suitable for Siemens terminal blocks from the 8WH ... series
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The multi-line marking strips are easily separated and easy to fit
- The markers support multi-line marking
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Can be marked using:



UV LED technology



Plotter



Markers for a terminal block width over 5 mm

Technical data

General data	
Can be marked with	BLUEMARK ID • BLUEMARK ID COLOR • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material	PA
Flammability rating in accordance with UL 94	V2
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 56-section, 7 individual labels per strip, for terminal block widths over 5 mm	white	**UC4-TM 5**	0828415	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK	**P1 UC-MAG 5**	5146118	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

UniCard marking for terminal blocks from other manufacturers with tall marker groove

- The UCT1-TM ... UniCard marking range includes markers for Weidmüller, CONTA-CLIP, and Klemsan terminal blocks
- The UCT1-TMF ... UniCard marking range includes markers for Weidmüller, Wago, ABB (Entrelec), CONTA-CLIP, and Klemsan terminal blocks
- The UCT sheets can also be used with the corresponding THERMOMARK CARD-UCT-MAG1, 4, 5, and 6 magazines in THERMOMARK CARD ...

Notes:

An overview of markable terminal blocks can be found on page 80 onwards.



Markers for terminal block widths up to 6 mm



Flat marker for a terminal block width up to 6 mm

Technical data

General data		
Can be marked with		THERMOMARK CARD • THERMOMARK CARD 2.0 • THERMOMARK PRIME • BLUEMARK ID • BLUEMARK ID COLOR • TOPMARK LASER • TOPMARK NEO
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Technical data

		THERMOMARK CARD • THERMOMARK CARD 2.0 • THERMOMARK PRIME • BLUEMARK ID • BLUEMARK ID COLOR • TOPMARK LASER • TOPMARK NEO
		PC
		V0
		-40 ... 120
		DIN EN 61010-1 (VDE 0411-1)
		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for a terminal block width of 5 mm				
	white	**UCT1-TM 5**	0829482	10
	red	**UCT1-TM 5 RD**	0829226	10
	yellow	**UCT1-TM 5 YE**	0829228	10
	blue	**UCT1-TM 5 BU**	0829229	10
UniCard, for marking terminal blocks from other manufacturers such as UCT1-TM 5, but with offset foot				
	white	**UCT1U-TM 5**	0803204	10
UniCard, for marking terminal blocks from other manufacturers, 60-section, 10 individual labels per strip, for a terminal block width of 6 mm				
	white	**UCT1-TM 6**	0829483	10
	red	**UCT1-TM 6 RD**	0829232	10
	yellow	**UCT1-TM 6 YE**	0829234	10
	blue	**UCT1-TM 6 BU**	0829235	10
UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for a terminal block width of 5 mm				
	white			
	red			
	yellow			
	blue			
UniCard, for marking terminal blocks from other manufacturers, 60-section, 10 individual labels per strip, for a terminal block width of 6 mm				
	white			
	red			
	yellow			
	blue			

Ordering data

Type	Order No.	Pcs./Pkt.
UCT1-TMF 5	0829237	10
UCT1-TMF 5 RD	0829238	10
UCT1-TMF 5 YE	0829240	10
UCT1-TMF 5 BU	0829241	10
UCT1-TMF 6	0829243	10
UCT1-TMF 6 RD	0829244	10
UCT1-TMF 6 YE	0829246	10
UCT1-TMF 6 BU	0829247	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-TM..., UCT1(U)-TM..., UCT5-TM..., UCT-EM (5x10), UCT-EM (6x10)	**TMP-UCT-MAG1**	0803342	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT1-TMF...			

Accessories

TMP-UCT-MAG4	0803345	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard marking for terminal blocks from other manufacturers with tall marker groove

– The UCT2-TM 5/6 UniCard markers are suitable for Wago terminal blocks
– The UCT3-TM ... UniCard marking range includes markers for Wieland and Legrand terminal blocks

Notes:

An overview of markable terminal blocks can be found on page 80 onwards.



Markers for terminal block widths of 5 to 6 mm



Markers for terminal block widths up to 6 mm

Technical data

General data	
Can be marked with	THERMOMARK CARD • THERMOMARK CARD 2.0 • THERMOMARK PRIME • BLUEMARK ID • BLUEMARK ID COLOR • TOPMARK LASER • TOPMARK NEO
Material	PC
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Technical data

General data	
Can be marked with	THERMOMARK CARD • THERMOMARK CARD 2.0 • THERMOMARK PRIME • BLUEMARK ID • BLUEMARK ID COLOR • TOPMARK LASER • TOPMARK NEO
Material	PC
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for terminal block widths of 5 and 6 mm	white	**UCT2-TM 5/6**	0829249	10
UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for a terminal block width of 5 mm	white			
UniCard, for marking terminal blocks from other manufacturers, 60-section, 10 individual labels per strip, for a terminal block width of 6 mm	white			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for terminal block widths of 5 and 6 mm	white			
UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for a terminal block width of 5 mm	white	**UCT3-TM 5**	0829251	10
UniCard, for marking terminal blocks from other manufacturers, 60-section, 10 individual labels per strip, for a terminal block width of 6 mm	white	**UCT3-TM 6**	0829252	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT2-TM...	**TMP-UCT-MAG5**	0803347	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT3-TM...			

Accessories

	TMP-UCT-MAG6	0803348	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard marking for terminal blocks from other manufacturers with tall marker groove



- The UCT5-TM ... UniCard marking range includes markers for Cabur terminal blocks
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
- The multi-section marking strips can be easily separated and are easy to fit
- The markers support multi-line marking
- The sheets provide space for including function texts
- The UCT sheet can also be used with the THERMOMARK CARD-UCT-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of markable terminal blocks can be found on page 80 onwards.

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Markers for terminal block widths up to 6 mm

Technical data

General data	
Can be marked with	THERMOMARK CARD • THERMOMARK CARD 2.0 • THERMOMARK PRIME • BLUEMARK ID • BLUEMARK ID COLOR • TOPMARK LASER • TOPMARK NEO
Material	PC
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 66-section, 11 individual labels per strip, for a terminal block width of 5 mm	white	**UCT5-TM 5**	0828750	10
UniCard, for marking terminal blocks from other manufacturers, 54-section, 9 individual labels per strip, for a terminal block width of 6 mm	white	**UCT5-TM 6**	0828752	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-TM..., UCT1(U)-TM..., UCT5-TM..., UCT-EM (5x10), UCT-EM (6x10)	**TMP-UCT-MAG1**	0803342	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard marking for terminal blocks from other manufacturers with flat marker groove



- The UCT6M ... UniCard marking range includes markers for ABB terminal blocks
- The markers, which are supplied in uniform sheets, can be marked quickly, precisely, and easily.
- The multi-section marking strips can be easily separated and are easy to fit
- The UCT sheets can also be used with the THERMOMARK CARD-UCT-MAG23 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of markable terminal blocks can be found on page 80 onwards.

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Markers for terminal block widths up to 8.2 mm

Technical data

General data		
Can be marked with		THERMOMARK CARD • THERMOMARK CARD 2.0 • THERMOMARK PRIME • BLUEMARK ID • BLUEMARK ID COLOR • TOPMARK LASER • TOPMARK NEO
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 60-section, 12 individual labels per strip, for a terminal block width of 5.2 mm	white	**UCT6M-TM 5**	0830756	10
UniCard, for marking terminal blocks from other manufacturers, 50-section, 10 individual labels per strip, for a terminal block width of 6.2 mm	white	**UCT6M-TM 6**	0830757	10
UniCard, for marking terminal blocks from other manufacturers, 35-section, 7 individual labels per strip, for a terminal block width of 8.2 mm	white	**UCT6M-TM 8**	0830758	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT6M-TM...	**TMP-UCT-MAG23**	0803367	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard marking for terminal blocks from other manufacturers with tall marker groove



- The UCT6R-TM ... UniCard marking range includes markers for entrelec terminal blocks
- The markers, which are supplied in uniform sheets, can be marked quickly, precisely, and easily
- The multi-section marking strips can be easily separated and are easy to fit
- The UCT sheets can also be used with the THERMOMARK CARD-UCT-MAG24 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

An overview of markable terminal blocks can be found on page 80 onwards.

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Markers for terminal block widths up to 8.2 mm

Technical data

General data		
Can be marked with		THERMOMARK CARD • THERMOMARK CARD 2.0 • THERMOMARK PRIME • BLUEMARK ID • BLUEMARK ID COLOR • TOPMARK LASER • TOPMARK NEO
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 60-section, 12 individual labels per strip, for a terminal block width of 5.2 mm	white	**UCT6R-TM 5**	0830753	10
UniCard, for marking terminal blocks from other manufacturers, 50-section, 10 individual labels per strip, for a terminal block width of 6.2 mm	white	**UCT6R-TM 6**	0830754	10
UniCard, for marking terminal blocks from other manufacturers, 35-section, 7 individual labels per strip, for a terminal block width of 8.2 mm	white	**UCT6R-TM 8**	0830755	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT6R-TM...	**TMP-UCT-MAG24**	0803368	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniSheet marking for terminal blocks from other manufacturers



- The US2-TM 100 UniSheet markers are suitable for Wago terminal blocks
- The markers, which are supplied as uniform cards, can be marked quickly, easily, and precisely with marking systems
- The perforated marking strips are easy to separate and can be easily fitted
- The cards provide space for including function texts
- The UniSheet can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Notes:

An overview of markable terminal blocks can be found on page 80 onwards.

Can be marked using:

Thermal transfer for sheets and cards

UV LED technology

PRINTED FOR YOU



12 strips with a strip width of 104 mm

Technical data

General data		
Can be marked with		THERMOMARK CARD • THERMOMARK CARD 2.0 • THERMOMARK PRIME • BLUEMARK ID • BLUEMARK ID COLOR
Number of individual labels		12
Number of individual labels per strip		1
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, for marking terminal blocks from other manufacturers with a Wago TopJob S terminal block groove, strip length of 104 mm	white	**US2-TM 100**	0829268	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UM marking for terminal blocks from other manufacturers, strips



- The UM1-TM ... universal material marking range includes markers for terminal blocks from Weidmüller, CONTA-CLIP, and Klemsan
- The markers, which are supplied in the form of double strips, can be marked quickly, easily, and precisely with marking systems
- The markers support multi-line marking
- The marking strips are easy to fit and can be easily separated if required
- The marking strips are snapped into the magazine in a twist-proof manner by means of a coding pin and fed to the output devices
- The format automatically ensures printing with a high degree of positioning accuracy

Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



For a tall marker groove up to a pitch of 6 mm

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UM1-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, unprinted, 34-section, pitch: 3.5 mm, label height: 12 mm				
	white	**UM1-TM (3,5X12)**	0830925	10
	red	**UM1-TM (3,5X12) RD**	0833020	10
	yellow	**UM1-TM (3,5X12) YE**	0833022	10
	blue	**UM1-TM (3,5X12) BU**	0833023	10
UM1-TM..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, unprinted, 24-section, pitch: 5 mm, label height: 10 mm				
	white	**UM1-TM (5X10)**	0830905	10
	red	**UM1-TM (5X10) RD**	0833025	10
	yellow	**UM1-TM (5X10) YE**	0833027	10
	blue	**UM1-TM (5X10) BU**	0833028	10
UM1-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, unprinted, 24-section, pitch: 5 mm, label height: 12 mm				
	white	**UM1-TM (5X12)**	0830912	10
	red	**UM1-TM (5X12) RD**	0833035	10
	yellow	**UM1-TM (5X12) YE**	0833037	10
	blue	**UM1-TM (5X12) BU**	0833038	10
UM1-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemsan, unprinted, 20-section, pitch: 6 mm, label height: 10 mm				
	white	**UM1-TM (6X10)**	0830903	10
	red	**UM1-TM (6X10) RD**	0833040	10
	yellow	**UM1-TM (6X10) YE**	0833042	10
	blue	**UM1-TM (6X10) BU**	0833043	10

Accessories

Magazine, for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM1-TM ..., UM5-TM...	**TMP-UM-MAG1**	0831200	1
Magazine for the BLUEMARK printer, for accommodating UM materials	**BLUEMARK MAG UM-TM**	0803335	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UM marking for terminal blocks from other manufacturers, strips



- The UM1-TM ... universal material marking range includes markers for terminal blocks from Weidmüller, CONTA-CLIP, and Klemsan
- The markers, which are supplied in the form of double strips, can be marked quickly, easily, and precisely with marking systems
- The markers support multi-line marking
- The marking strips are easy to fit and can be easily separated if required
- The marking strips are snapped into the magazine in a twist-proof manner by means of a coding pin and fed to the output devices
- The format automatically ensures printing with a high degree of positioning accuracy

Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



For a tall marker groove up to a pitch of 12 mm

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UM1-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, unprinted, 20-section, pitch: 6 mm, label height: 12 mm				
	white	**UM1-TM (6X12)**	0830909	10
	red	**UM1-TM (6X12) RD**	0833050	10
	yellow	**UM1-TM (6X12) YE**	0833052	10
	blue	**UM1-TM (6X12) BU**	0833053	10
UM1-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, unprinted, 14-section, pitch: 8 mm, label height: 10 mm				
	white	**UM1-TM (8X10)**	0830906	10
	red	**UM1-TM (8X10) RD**	0833055	10
	yellow	**UM1-TM (8X10) YE**	0833057	10
	blue	**UM1-TM (8X10) BU**	0833058	10
UM1-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, unprinted, 14-section, pitch: 8 mm, label height: 12 mm				
	white	**UM1-TM (8X12)**	0830920	10
	red	**UM1-TM (8X12) RD**	0833060	10
	yellow	**UM1-TM (8X12) YE**	0833062	10
	blue	**UM1-TM (8X12) BU**	0833063	10
UM1-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemsan, unprinted, 10-section, pitch: 12 mm, label height: 10 mm				
	white	**UM1-TM (12X10)**	0830916	10
	red	**UM1-TM (12X10) RD**	0833065	10
	yellow	**UM1-TM (12X10) YE**	0833067	10
	blue	**UM1-TM (12X10) BU**	0833068	10

Accessories

Magazine, for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM1-TM ..., UM5-TM...	**TMP-UM-MAG1**	0831200	1
Magazine for the BLUEMARK printer, for accommodating UM materials	**BLUEMARK MAG UM-TM**	0803335	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UM marking for terminal blocks from other manufacturers, strips



– The UM1-TM ... universal material marking range includes markers for terminal blocks from Weidmüller, CONTA-CLIP, and Klemsan
– The markers, which are supplied in the form of double strips, can be marked quickly, easily, and precisely with marking systems
– The markers support multi-line marking
– The marking strips are easy to fit and can be easily separated if required
– The marking strips are snapped into the magazine in a twist-proof manner by means of a coding pin and fed to the output devices
– The format automatically ensures printing with a high degree of positioning accuracy

Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



For a tall marker groove, with an offset foot, up to a pitch of 6 mm

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UM1U-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, with an offset foot, unprinted, 24-section, pitch: 5 mm				
	white	**UM1U-TM (5X10)**	0830910	10
	red	**UM1U-TM (5X10) RD**	0833030	10
	yellow	**UM1U-TM (5X10) YE**	0833032	10
	blue	**UM1U-TM (5X10) BU**	0833033	10
UM1U-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, with an offset foot, unprinted, 20-section, pitch: 6 mm				
	white	**UM1U-TM (6X10)**	0830907	10
	red	**UM1U-TM (6X10) RD**	0833045	10
	yellow	**UM1U-TM (6X10) YE**	0833047	10
	blue	**UM1U-TM (6X10) BU**	0833048	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UM1U-TM ...	**TMP-UM-MAG4**	0831203	1
Magazine for the BLUEMARK printer, for accommodating UM materials	**BLUEMARK MAG UM-TM**	0803335	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UM marking for terminal blocks from other manufacturers, strips



- The universal UM1-TM ... material marking range includes markers for Weidmüller, Conta-Clip, Klemsan, Wago, and ABB (Entrelec) terminal blocks
- The markers, which are supplied in the form of double strips, can be marked quickly, easily, and precisely with marking systems
- The markers support multi-line marking
- The marking strips are easy to fit and can be easily separated if required
- The marking strips are snapped into the magazine in a twist-proof manner by means of a coding pin and fed to the output devices
- The format automatically ensures printing with a high degree of positioning accuracy

Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



For a flat marker groove up to a pitch of 8 mm

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UM1-TMF ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, Wago, ABB (Entrelec), unprinted, 34-section, pitch: 3.5 mm				
	white	**UM1-TMF (3,5X5)**	0830935	10
	red	**UM1-TMF (3,5X5) RD**	0833000	10
	yellow	**UM1-TMF (3,5X5) YE**	0833002	10
	blue	**UM1-TMF (3,5X5) BU**	0833003	10
UM1-TMF ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, Wago, ABB (Entrelec), unprinted, 24-section, pitch: 5 mm				
	white	**UM1-TMF (5X5)**	0830902	10
	red	**UM1-TMF (5X5) RD**	0833005	10
	yellow	**UM1-TMF (5X5) YE**	0833007	10
	blue	**UM1-TMF (5X5) BU**	0833008	10
UM1-TMF ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, Wago, ABB (Entrelec), unprinted, 20-section, pitch: 6 mm				
	white	**UM1-TMF (6X5)**	0830904	10
	red	**UM1-TMF (6X5) RD**	0833010	10
	yellow	**UM1-TMF (6X5) YE**	0833012	10
	blue	**UM1-TMF (6X5) BU**	0833013	10
UM1-TMF ..., for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemsan, Wago, ABB (Entrelec), unprinted, 14-section, pitch: 8 mm				
	white	**UM1-TMF (8X5)**	0830924	10
	red	**UM1-TMF (8X5) RD**	0833015	10
	yellow	**UM1-TMF (8X5) YE**	0833017	10
	blue	**UM1-TMF (8X5) BU**	0833018	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UM1-TMF ...	**TMP-UM-MAG3**	0831202	1
Magazine for the BLUEMARK printer, for accommodating UM materials	**BLUEMARK MAG UM-TM**	0803335	1

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UM marking for terminal blocks from other manufacturers, strips



Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



For a tall marker groove up to a pitch of 6 mm

- The UM ...-TM ... universal material marking range includes markers for terminal blocks from a variety of manufacturers. UM2 ... for Wago, UM3 ... for Wieland, UM5 ... for Cabur, and UM6M ... for ABB
- The markers, which are supplied in the form of double strips, can be marked quickly, easily, and precisely with marking systems
- The markers support multi-line marking
- The marking strips are easy to fit and can be easily separated if required
- The marking strips are snapped into the magazine in a twist-proof manner by means of a coding pin and fed to the output devices
- The format automatically ensures printing with a high degree of positioning accuracy

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UM2-TM... for marking Wago terminal blocks, unprinted, 34/28/24-section, pitch: 3.5 to 6 mm				
	white	**UM2-TM (3,5X10)**	0830936	10
	white	**UM2-TM (4X10)**	0830934	10
	white	**UM2-TM (5/6X10)**	0830911	10
UM3-TM... for marking Wieland terminal blocks, unprinted, 24/20/14-section, pitch: 5 to 8 mm				
	white			
	white			
	white			
UM5-TM... for marking Cabur terminal blocks, unprinted, 28/24/20-section, pitch: 4 to 6 mm				
	white			
	white			
	white			
UM6M-TM... for marking ABB terminal blocks, unprinted, 24/20/14-section, pitch: 5 to 8 mm				
	white			
	white			
	white			

Accessories

Magazine, for THERMOMARK CARD ... and THERMOMARK PRIME for accommodating UM1-TM ..., UM5-TM... for accommodating UM2-TM... for accommodating UM3-TM... for accommodating UM6M-TM...	**TMP-UM-MAG5**	0803328	1
Magazine for the BLUEMARK printer, for accommodating UM materials	**BLUEMARK MAG UM-TM**	0803335	1

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For a tall marker groove up to a pitch of 8 mm



For a tall marker groove up to a pitch of 6 mm



For a tall marker groove up to a pitch of 8 mm

Technical data

TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
PC
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
UM3-TM (5X8)	**0830917**	10
UM3-TM (6X8)	**0830915**	10
UM3-TM (8X8)	**0830929**	10

Accessories

TMP-UM-MAG6	**0803329**	1
BLUEMARK MAG UM-TM	**0803335**	1

Technical data

TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
PC
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
UM5-TM (4X10)	**0830938**	10
UM5-TM (5X10)	**0830922**	10
UM5-TM (6X10)	**0830919**	10

Accessories

TMP-UM-MAG1	**0831200**	1
BLUEMARK MAG UM-TM	**0803335**	1

Technical data

TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
PC
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
UM6M-TM (5X12)	**0830928**	10
UM6M-TM (6X12)	**0830926**	10
UM6M-TM (8X12)	**0830939**	10

Accessories

TMP-UM-MAG7	**0803330**	1
BLUEMARK MAG UM-TM	**0803335**	1

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UM marking for terminal blocks from other manufacturers, strips



Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



For a tall marker groove up to a pitch of 8 mm

- The UM ...-TM ... universal material marking range includes markers for terminal blocks from a variety of manufacturers. UM6R ... for Entrelec, UM7 ... for Legrand, and UM8 ... for Woertz
- The markers, which are supplied in the form of double strips, can be marked quickly, easily, and precisely with marking systems
- The markers support multi-line marking
- The marking strips are easy to fit and can be easily separated if required
- The marking strips are snapped into the magazine in a twist-proof manner by means of a coding pin and fed to the output devices
- The format automatically ensures printing with a high degree of positioning accuracy

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UM6R-TM... for marking Entrelec terminal blocks, unprinted, 24/20/14-section, pitch: 5 to 8 mm				
	white	**UM6R-TM (5X10)**	0830923	10
	white	**UM6R-TM (6X10)**	0830921	10
	white	**UM6R-TM (8X10)**	0830932	10
UM7-TM... for marking Legrand terminal blocks, unprinted, 24/20/14-section, pitch: 5 to 8 mm				
	white			
	white			
	white			
UM8-TM... for marking Woertz terminal blocks, unprinted, 24/20-section, pitch: 5 to 6 mm				
	white			
	white			

Accessories

		Order No.	Pcs./Pkt.
Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UM7-TM (5x10), UM7-TM (6x10)			
for accommodating UM6R-TM...	**TMP-UM-MAG8**	0803331	1
for accommodating UM8-TM...			
Magazine for the BLUEMARK printer, for accommodating UM materials			
	BLUEMARK MAG UM-TM	0803335	1

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For a tall marker groove up to a pitch of 8 mm



For a tall marker groove up to a pitch of 6 mm

Technical data

TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
PC
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
UM7-TM (5X10)	0830933	10
UM7-TM (6X10)	0830931	10
UM7-TM (8X10)	0830945	10

Accessories

TMP-UM-MAG10	0803334	1
BLUEMARK MAG UM-TM	0803335	1

Technical data

TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
PC
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
UM8-TM (5X9)	0830946	10
UM8-TM (6X9)	0830943	10

Accessories

TMP-UM-MAG9	0803332	1
BLUEMARK MAG UM-TM	0803335	1

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Wire and cable marking – MARKING system

Clear and permanent marking of all conductors and cables considerably improves transparency in control cabinets and switchgear. It makes assembly and maintenance work easier and assists in rectifying faults.

Phoenix Contact conductor and cable markers provide the ideal marking option for any application. Just select an assembly method. The markers can be threaded on, clipped on, adhered in place or secured with cable ties.

Product range overview

Wire and cable marking 178

Overview of conductor markers and cable markers 180
The right marking solution for every diameter

LaserSheet LS-WMTB... wire and cable marking
Stainless steel and aluminum markers, for assembly with cable ties 188

WMTB AL... aluminum wire and cable marking 192

UniCard UC-WM... and UCT-WM... wire and cable marking
Clip-on and slide-on markers, for insertion in marking collars, for assembly with cable ties, for threading on 194

UniSheet US-WM... wire and cable marking
Markers for insertion in marking collars, for assembly with cable ties, adhesive markers for wrapping around 213

WM... wire and cable marking supplied in rolls
Adhesive markers for wrapping around or as flags 216

WMS... shrink sleeves supplied in rolls 224

EMT and WMT... wire and cable marking supplied in rolls
Markers for insertion in marking collars, for threading on, for assembly with cable ties 229

KMK... cable markers for assembly with cable ties 234

Cable markers for carrier assembly
Markers made of plastic and stainless steel 245

PATG... and PATO... marking collars 248

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Far from being a luxury, standard-compliant and permanent wire and cable markings are actually a mark of quality demanded by customers in respect of modern high-quality capital goods.

Phoenix Contact provides the ideal marking option for wire and cable marking, for all users and all applications. With this in mind, a comprehensive product range is available, consisting of various label and sign formats, made from different basic materials, such as plastics, aluminum, and stainless steel.

Depending on the design, the marking materials are threaded on, clipped on, adhered in place or secured with cable ties. The printing systems and marking materials that are coordinated with each other ensure high quality and resistance to external influences.

Depending on the application and material for individual marking, the following marking systems can be used.

– TOPMARK NEO, laser marker for marking UniCard formats as well as stainless steel and aluminum labels.
– BLUEMARK ID and BLUEMARK ID COLOR, high-speed printer with UV LED technology for marking UniSheet and UniCard formats as well as aluminum markers
– THERMOMARK CARD 2.0 and THERMOMARK PRIME, thermal transfer card printer for marking UniSheet and UniCard formats
– THERMOMARK ROLL 2.0, thermal transfer roll printer for marking material off the roll and continuous media
– THERMOMARK ROLLMASTER 300 and ROLLMASTER 600, industrial thermal transfer roll printer for large printing volumes of rolls and continuous media
– THERMOMARK W2, thermal transfer printer for double-sided marking and perforation of continuous shrink sleeves
– THERMOFOX, thermal transfer printer in handheld format, for marking labels and shrink sleeves in cassette format
– PLOTMARK, marking plotter for marking UniCard formats as well as materials in strip and sheet format
– Standard desktop laser printer, for marking material in sheet format

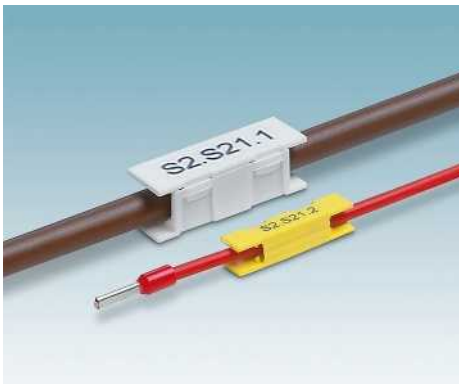
The PROJECT complete software is available for the easy and efficient production of markings. The marking data generated can be imported from CAE systems, Excel or word processing programs using the data exchange manager included in PROJECT complete. In addition to automatic data transfer, there is also the option of manual input. The print files are then automatically forwarded to the corresponding marking systems and processed.

If you do not have the option of creating markings yourself, you can turn to our marking service. We will be happy to handle your printing orders. This also includes engraving or laser marking of stainless steel cable markers.

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Conductors and cables can be optimally and permanently marked with stainless steel or aluminum markers. They are attached using cable ties.



Clip-on conductor markers feature two non-detachable marking areas that remain legible at all times. They are clipped onto pre-wired conductors and cables manually.



Individual printed markers are threaded onto conductors or attached by means of cable ties. Various materials can be supplied as cards, sheets or on rolls.



The ferrules feature an insulating collar that supports marking and are marked prior to crimping. This combines two operations in one.



PATG HF, PATG, and PATO marking collars are slid onto the conductors and filled with insert strips that can be marked.



Shrink sleeves are ideal for captive marking of cables and conductors. They are available prefabricated and in rolls.



Conductor markers are fitted using cable ties almost regardless of conductor or cable diameter. The large marking area provides enough space for comprehensive marking.



Cable marker labels consist of a marking field and transparent film. The film protects the marking against abrasion and dirt. The labels are available in various shapes and sizes.



Plastic cable markers are suitable for both bundling and marking conductors and cables. A sealing cap protects the marking against contamination and abrasion.

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Overview of wire and cable marking

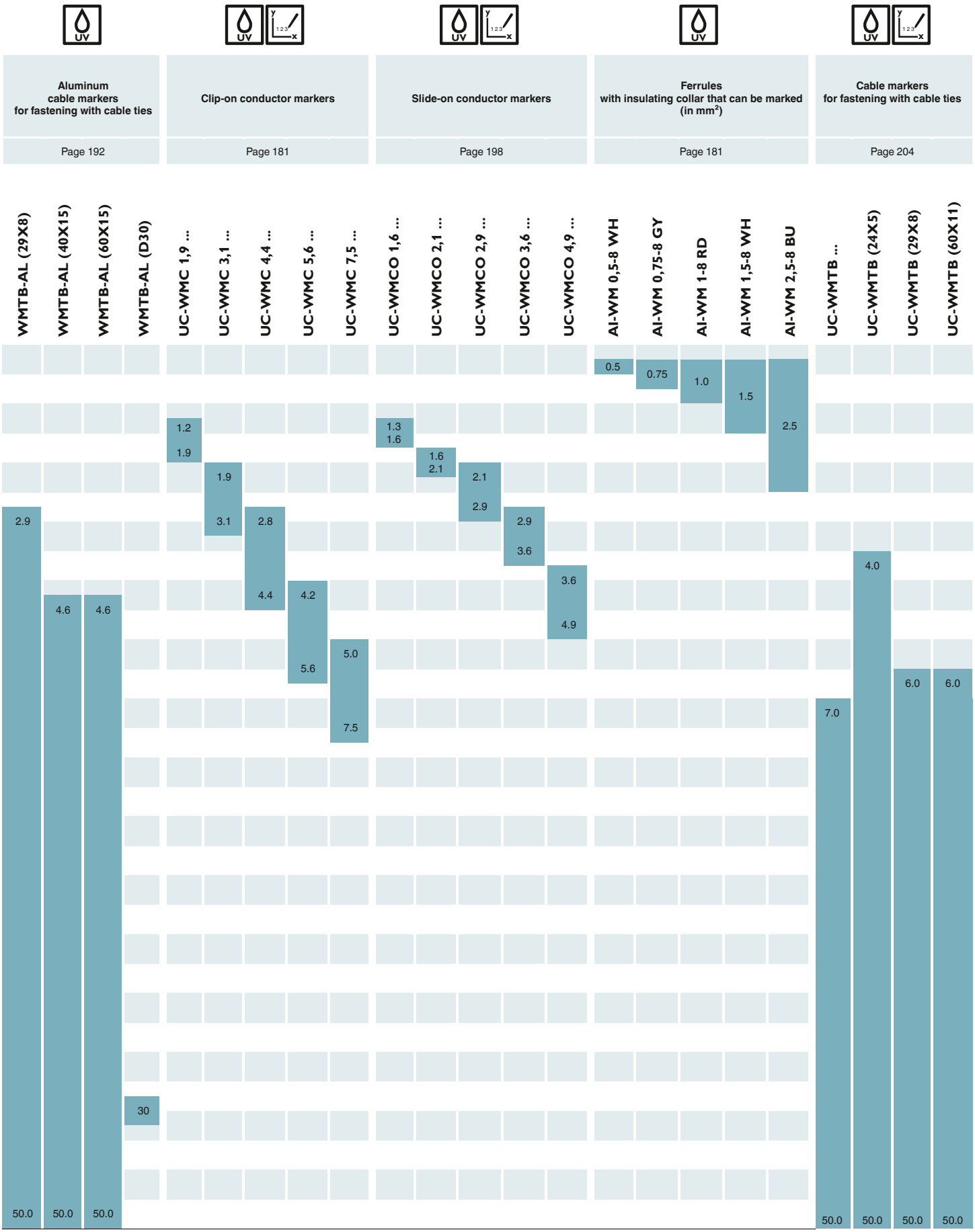
Markers for marking with various marking technologies






Conductor/cable diameter [mm]	Shrink sleeve (shrink ratio: 3:1) Page 44				Shrink sleeve (shrink ratio: 2:1) Page 45				Cable marker label Page 45		Stainless steel and aluminum cable markers for fastening with cable ties Page 180					
	MM-WMS 3,2 ...	MM-WMS 4,8 ...	MM-WMS 6,4 ...	MM-WMS 9,5 ...	MM-WMS-2 3,2 ...	MM-WMS-2 4,8 ...	MM-WMS-2 6,4 ...	MM-WMS-2 9,5 ...	MM-WML 3 ...	MM-WML 5 ...	LS-WMTB-... (29X8)	LS-WMTB-... (40X15)	LS-WMTB-... (60X15)	LS-WMTB-... (100X15)	LS-WMTB-... (D25)	LS-WMTB-... (D30)
0.5																
1.0																
1.5	1.0															
2.0		1.6	2.1		1.6				2.0	2.0						
2.5						2.4										
3.0	3.2				3.2				3.0		2.9					
3.5				3.2			3.2									
4.0																
4.5												4.6	4.6	4.6		
5.0		4.8				4.8				5.0						
5.5								4.8								
6.0			6.4				6.4									
7.0																
8.0																
9.0																
10.0				9.5				9.5								
12.0																
14.0																
16.0																
18.0																
20.0																
22.0																
24.0																
26.0															25	
28.0																
30.0																30
35.0																
40.0																
45.0																
50.0											50.0	50.0	50.0	50.0		

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Overview of wire and cable marking

Markers for marking with various marking technologies







Conductor/cable diameter [mm]	Slide-on conductor markers		Clip-on conductor markers									Cable markers for fastening with cable ties			
	Page 208		Page 209									Page 210			
	UCT-WMS 3,2 ...	UCT-WMS 4,7 ...	UCT-WMCO 1,9 ...	UCT-WMCO 2,9 ...	UCT-WMCO 3,5 ...	UCT-WMCO 4,1 ...	UCT-WMCO 4,7 ...	UCT-WMCO 5,4 ...	UCT-WMCO 6,1 ...	UCT-WMCO 6,8 ...	UCT-WMCO 7,5 ...	UCT-WMTBA (24X4)	UCT-WMTBA (29X6)	UCT-WMTBA (40X17)	UCT-WMTBA (29X8)
0.5															
1.0															
1.5			1.1												
2.0	1.5		1.9												
2.5				2.0											
3.0		2.5		2.9	2.9										2.9
3.5	3.2				3.5										
4.0						3.5									
4.5						4.1									
5.0		4.7					4.1								
5.5							4.7	4.7				5.0			
6.0								5.4	5.4						
7.0									6.1	6.1			6.0	6.0	
8.0										6.8	6.8				
9.0											7.5				
10.0															
12.0															
14.0															
16.0															
18.0															
20.0															
22.0															
24.0															
26.0															
28.0															
30.0															
35.0															
40.0															
45.0															
50.0												50.0	50.0	50.0	50.0

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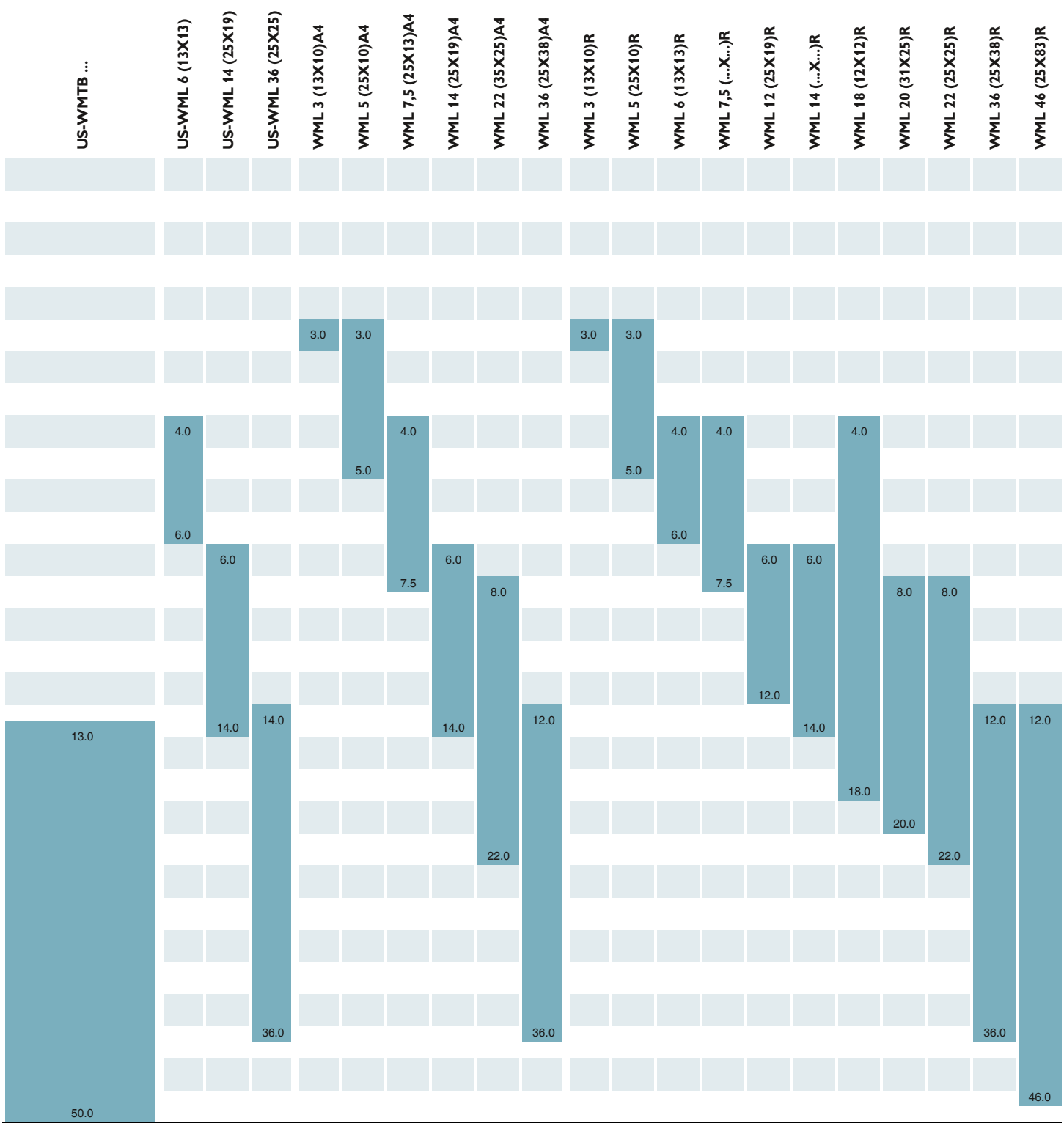








Cable markers for fastening with cable ties	Cable marker label	Cable marker label	Cable marker label
Page 183	Page 215	Page 216	Page 217



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Overview of wire and cable marking

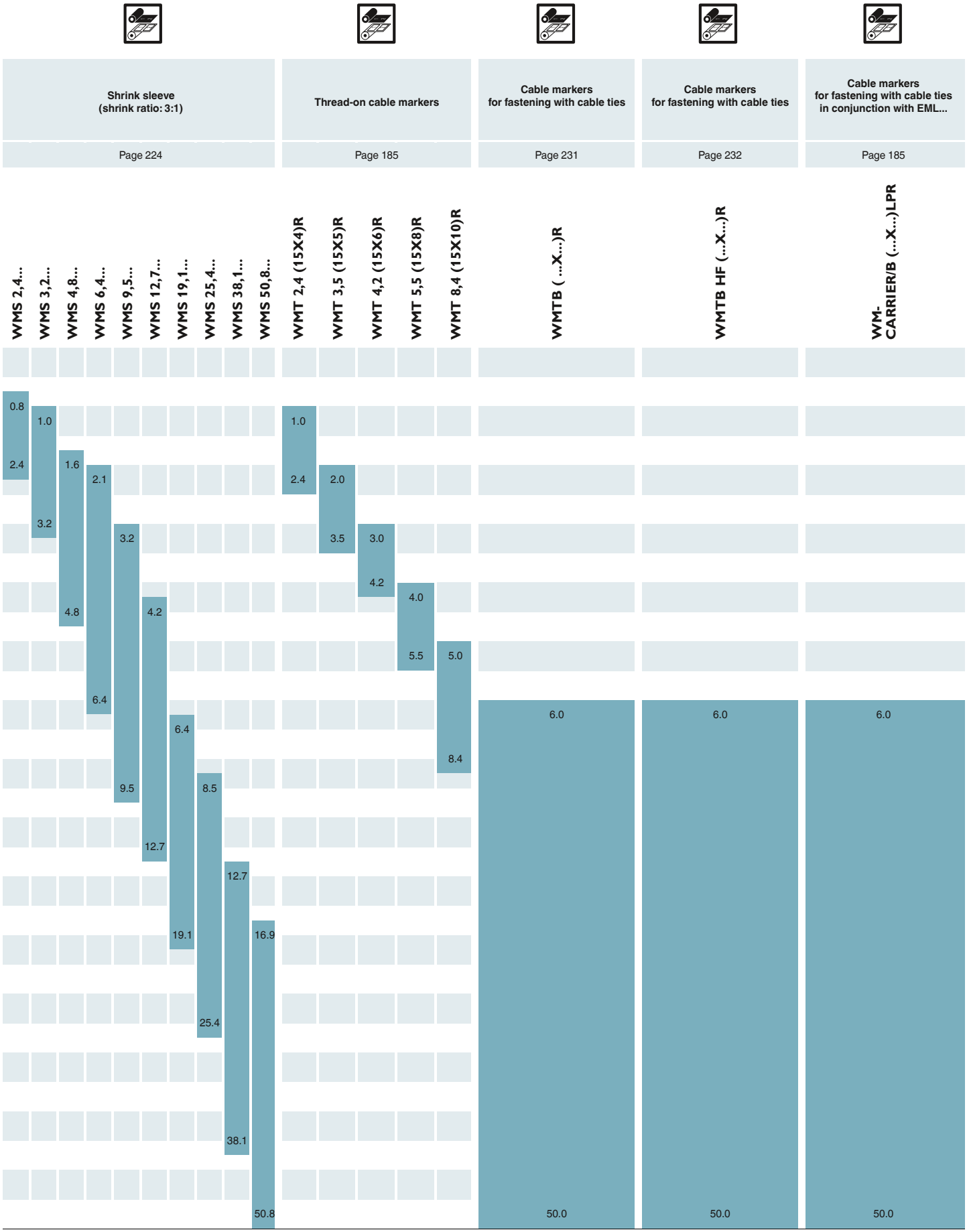
Markers for marking with various marking technologies






Conductor / cable diameter [mm]	Cable marker label, with integrated RFID transponder	Cable marker label					Cable marking flags		Shrink sleeve (shrink ratio: 2:1)									
	Page 217	Page 218					Page 219		Page 184									
	WML-RFID/HF14(25x19)R	WML HF 3 (13X10)R	WML HF 5 (25X10)R	WML HF 7,5 (25X13)R	WML HF 14 (25X19)R	WML HF 22 (35X25)R	WML HF 36 (25X38)R	WML-FLAG 6 …	WML-FLAGV 6 …	WMS-2 HF 2,4…	WMS-2 HF 3,2…	WMS-2 HF 4,8…	WMS-2 HF 6,4…	WMS-2 HF 9,5…	WMS-2 HF 12,7…	WMS-2 HF 19,1…	WMS-2 HF 25,4…	WMS-2 HF 38,1…	WMS-2 HF 50,8…
0.5																		
1.0								0.5	0.5									
1.5										1.2								
2.0										2.4	1.6							
2.5												2.4						
3.0		3.0	3.0								3.2		3.2					
3.5																		
4.0																		
4.5				4.0								4.8						
5.0			5.0											4.8				
5.5																		
6.0								6.0	6.0				6.4					
7.0	6.0			7.5	6.0									9.5	6.4			
8.0						8.0												
9.0																		
10.0																9.5		
12.0															12.7			
14.0	14.0				14.0		12.0										12.7	
16.0																19.1		
18.0																		
20.0																		19.1
22.0						22.0											25.4	
24.0																		
26.0																		
28.0																		25.4
30.0																		
35.0							36.0											
40.0																	38.1	
45.0																		
50.0																		50.8

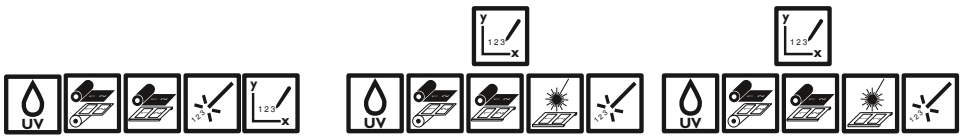
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Overview of wire and cable marking

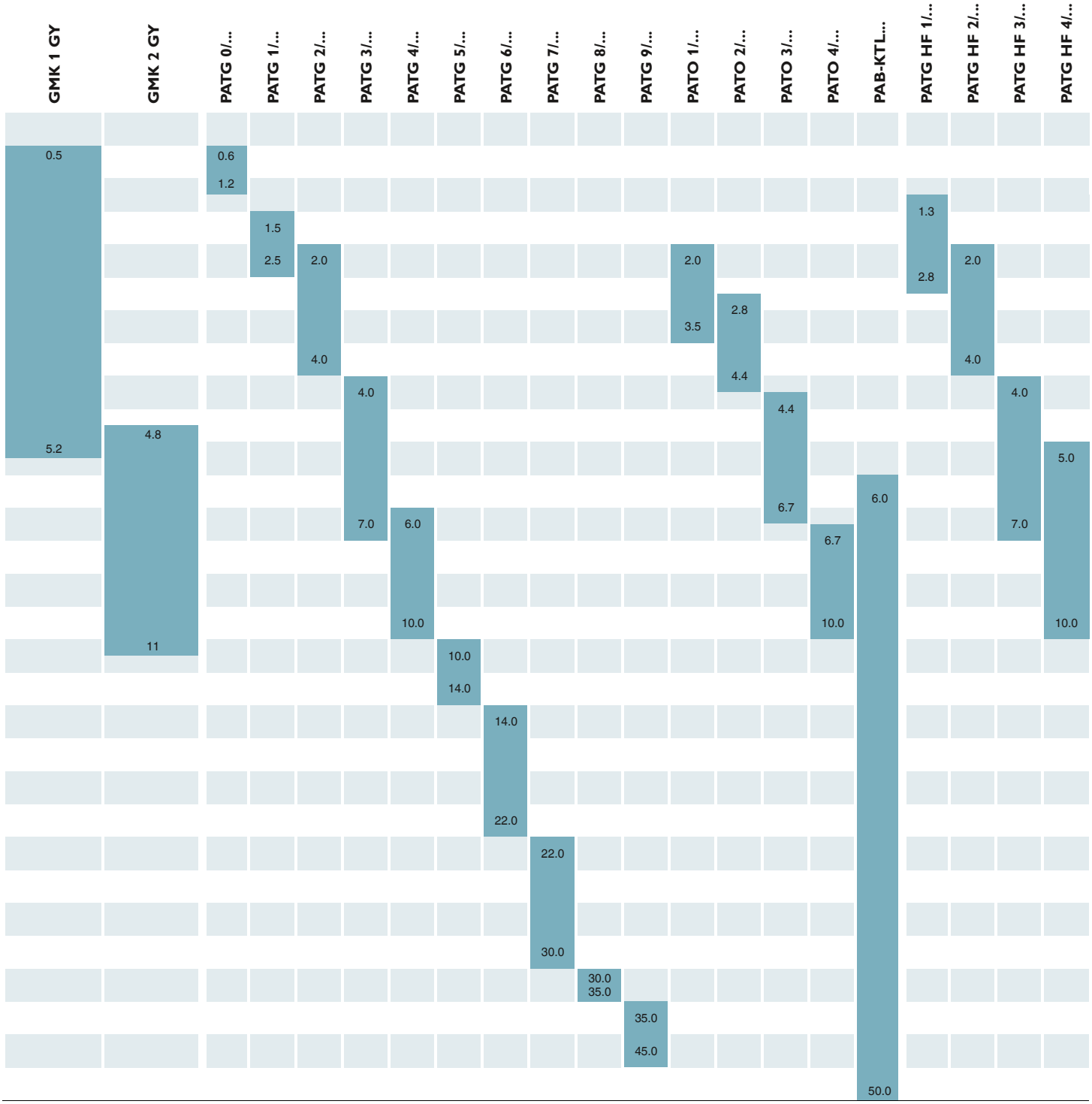
Markers for marking with various marking technologies



Conductor/cable diameter [mm]	Cable marker carrier for fastening with cable ties in conjunction with US-EMP .../ ESL .../ EMT ... Page 234						Cable marker carrier for fastening with cable ties in conjunction with UCT-EMP .../ ESL .../ EMT ... Page 238				Cable marker carrier for fastening with cable ties in conjunction with US-EMP .../ UCT-EMP .../ ESL .../ EMT ... Page 240			
	KMK	KMK 1	KMK 2	KMK 3	KMK 4	KMK 5	KMK HP (25X6)	KMK HP (29X8)	KMK HP (40X17)	KMK HP (60X15)	KMK UV (25X6)	KMK UV (29X8)	KMK UV (40X17)	KMK UV (60X15)
0.5														
1.0		0.5	0.5		0.5	0.5								
1.5														
2.0														
2.5														
3.0														
3.5														
4.0														
4.5														
5.0														
5.5														
6.0														
7.0							6.0	6.0			6.0	6.0		
8.0														
9.0														
10.0	10.0								9.0	9.0			9.0	9.0
12.0														
14.0														
16.0														
18.0				16.0										
20.0														
22.0														
24.0														
26.0	25.0													
28.0														
30.0														
35.0				35.0										
40.0														
45.0														
50.0		50.0	50.0		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0

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Clip-on cable marker carrier in conjunction with SS-ZB... UC-EM .../ UCT-EM ...	Slide-on marking collar in conjunction with UC-WMT ... UCT-WMT .../ US-WMT ..../ EMT .../ PABA ...	Slide-on marking collar in conjunction with UC-WMT .../ UCT-WMT ...
Page 187	Page 187	Page 250



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Stainless steel and aluminum cable marking for assembly with cable ties



– The LS-WMTB ... product range is available in stainless steel (V4A) or aluminum. The range provides markers for quick and easy fastening with cable ties
– LS-WMTB-V4A ... markers are characterized in particular by their high resistance to salt water, chloride, and solvents. This makes them suitable for the most demanding industrial requirements.



– By selecting the material in the PROJECT complete planning and configuration software, the correct laser parameters are automatically transferred to TOPMARK ...
– **Designation example: LS-WMTB-V4A (29x8)**
Lettering field size: 29 x 8 mm



– The use of modern laser technology creates highly resistant and permanent markings
– The LS-WMTB-V4A ... product group can be marked in two ways: by engraving or annealing
– Marking service: Phoenix Contact can custom-mark many markers according to your requirements

Can be marked using:



Direct laser marking

General data
Can be marked with
Material
Wipe resistance
Components

Description
Stainless steel label, for assembly with cable ties, conductor diameter
36-section, > 2.9 mm Ø
16-section, > 4.6 mm Ø
16-section, > 4.6 mm Ø
8-section, > 4.6 mm Ø
Aluminum label, for assembly with cable ties, conductor diameter
36-section, > 2.9 mm Ø
16-section, > 4.6 mm Ø
16-section, > 4.6 mm Ø
8-section, > 4.6 mm Ø
Adapter plate, for LS materials, for TOPMARK NEO
Sheet hopper, for TOPMARK LASER

Notes:

For corresponding stainless steel cable ties, see page 620.

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



Stainless steel, material thickness: 0.5 mm



Aluminum, material thickness: 0.8 mm



Aluminum, black, material thickness: 0.8 mm

Technical data

TOPMARK NEO • TOPMARK LASER
V4A
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-WMTB-V4A (29X8)	0831516	5
LS-WMTB-V4A (40X15)	0831517	5
LS-WMTB-V4A (60X15)	0831518	5
LS-WMTB-V4A (100X15)	0831519	5

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK NEO • TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-WMTB-AL (29X8)	0831500	5
LS-WMTB-AL (40X15)	0831501	5
LS-WMTB-AL (60X15)	0831502	5
LS-WMTB-AL (100X15)	0831503	5

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK NEO • TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-WMTB-AL (29X8) BK	0831508	5
LS-WMTB-AL (40X15) BK	0831509	5
LS-WMTB-AL (60X15) BK	0831510	5
LS-WMTB-AL (100X15) BK	0831511	5

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Stainless steel and aluminum cable marking for assembly with cable ties



– The LS-WMTB ... product range in circular format is available in stainless steel (V4A) or aluminum. LS-WMTB ... provides markers for quick and easy fastening with cable ties
– The LS-WMTB-V4A ... group is characterized in particular by its high resistance to salt water, chloride, and solvents. This makes it suitable for the most demanding industrial requirements.



– By selecting the material in the PROJECT complete planning and configuration software, the correct laser parameters are automatically transferred to TOPMARK ...
– **Designation example: LS-WMTB-V4A (D25)**
Diameter: 25 mm



– The use of modern laser technology creates highly resistant and permanent markings
– The LS-WMTB-V4A ... product group can be marked in two ways: by engraving or annealing
– Marking service: Phoenix Contact can custom-mark many markers according to your requirements

Can be marked using:



Direct laser marking

General data
Can be marked with
Material
Wipe resistance
Components

Description
Stainless steel label, round, for assembly with cable ties
30-section, diameter: 25 mm
20-section, diameter: 30 mm
Aluminum label, round, for assembly with cable ties
30-section, diameter: 25 mm
20-section, diameter: 30 mm

Adapter plate, for LS materials, for TOPMARK NEO
Sheet hopper, for TOPMARK LASER

Notes:

For corresponding stainless steel cable ties, see page 620.

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



Stainless steel, material thickness: 0.5 mm



Aluminum, material thickness: 0.8 mm



Aluminum, black, material thickness: 0.8 mm

Technical data

TOPMARK NEO • TOPMARK LASER
V4A
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-WMTB-V4A (D25)	0831520	5
LS-WMTB-V4A (D30)	0831521	5

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK NEO • TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-WMTB-AL (D25)	0831504	5
LS-WMTB-AL (D30)	0831505	5

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK NEO • TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-WMTB-AL (D25) BK	0831512	5
LS-WMTB-AL (D30) BK	0831513	5

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Aluminum cable marking for assembly with cable ties



The WMTBA ... product range is available in aluminum (AL) and is characterized by:
– Double-sided marking option
– High-quality appearance
– Easy assembly with cable ties
– Suitable for large-surface marking of conductors and cables > 2.9 mm in diameter

Notes:
For corresponding stainless steel cable ties, see page 620.

Can be marked using:

UV

UV LED technology

PRINTED FOR YOU



Aluminum, material thickness: 0.8 mm

Technical data

General data	
Can be marked with	BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED
Material	Aluminum
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Aluminum label, 0.8 mm thick, conductor diameter [mm]				
Lettering field size: 29 x 8 mm, > 2.9 mm Ø	aluminum color	**WMTB-AL (29X8)**	0830805	90
Lettering field size: 40 x 15 mm, > 4.6 mm Ø	aluminum color	**WMTB-AL (40X15)**	0830524	45
Lettering field size: 60 x 15 mm, > 4.6	aluminum color	**WMTB-AL (60X15)**	0830525	45
Aluminum label, round, 0.8 mm thick				
Diameter: 30 mm	aluminum color			

Accessories

Magazine, for BLUEMARK printer, for accommodating aluminum labels			
for WMTB-AL (29X8)	**BLUEMARK MAG WM-M (29X8)**	0802743	1
for WMTB-AL (40X15)	**BLUEMARK MAG WM-M (40X15)**	0802744	1
for WMTB-AL (60X15)	**BLUEMARK MAG WM-M (60X15)**	0802746	1
Magazine, for BLUEMARK printer, for accommodating stainless steel and aluminum labels			
for WMTB-AL (D30) ...			

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



Aluminum, material thickness: 0.8 mm

Technical data

BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED

Aluminum
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
WMTB-AL (D30)	0830804	90

Accessories

BLUEMARK MAG WM-M (D30)	0802747	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Clip-on UniCard wire marking

Can be marked using:



UV LED technology

Plotter



Markers for conductor diameters from 1.2 to 1.9 mm

- The UC-WMC ... UniCard marking range includes markers for the captive marking of control cables right through to light plastic-sheathed cables with large diameters
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Can be clipped on even after wiring has been completed
- Two marking areas that can be easily read at anytime
- The markers support multi-line marking
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

For more variants, see phoenixcontact.net/products.

Technical data

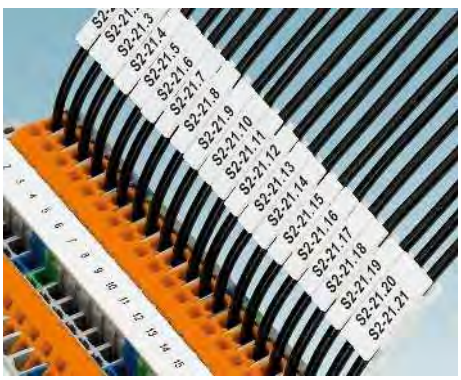
General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen
Conductor diameter range	[mm]	1.2 ... 1.9
Conductor cross section range	[mm²]	0.25 ... 0.34
Conductor cross section range	AWG	24 ... 22

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size: 15 x 4 mm, 20-section, 4 individual labels per strip				
	white	**UC-WMC 1,9 (15X4)**	0828004	10
	red	**UC-WMC 1,9 (15X4) RD**	0828006	10
	yellow	**UC-WMC 1,9 (15X4) YE**	0828008	10
	blue	**UC-WMC 1,9 (15X4) BU**	0828010	10
UniCard, for subsequent marking of conductors, lettering field size: 30 x 4 mm, 12-section, 4 individual labels per strip				
	white	**UC-WMC 1,9 (30X4)**	0830283	10

Accessories

P1 UC-MAG 1	5146079	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Clip-on UniCard wire marking



Markers for conductor diameters from 1.9 to 3.1 mm

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen
Conductor diameter range	[mm]	1.9 ... 3.1
Conductor cross section range	[mm²]	0.5 ... 1.5
Conductor cross section range	AWG	20 ... 16

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size: 15 x 4 mm, 20-section, 4 individual labels per strip				
	white	**UC-WMC 3,1 (15X4)**	0818205	10
	red	**UC-WMC 3,1 (15X4) RD**	0818755	10
	yellow	**UC-WMC 3,1 (15X4) YE**	0818739	10
	blue	**UC-WMC 3,1 (15X4) BU**	0818742	10
UniCard, for subsequent marking of conductors, lettering field size: 23 x 4 mm, 12-section, 4 individual labels per strip				
	white	**UC-WMC 3,1 (23X4)**	0818218	10
	red	**UC-WMC 3,1 (23X4) RD**	0818807	10
	yellow	**UC-WMC 3,1 (23X4) YE**	0818784	10
	blue	**UC-WMC 3,1 (23X4) BU**	0818797	10
UniCard, for subsequent marking of conductors, lettering field size: 30 x 4 mm, 12-section, 4 individual labels per strip				
	white	**UC-WMC 3,1 (30X4)**	0819631	10
	red	**UC-WMC 3,1 (30X4) RD**	0820769	10
	yellow	**UC-WMC 3,1 (30X4) YE**	0819644	10
	blue	**UC-WMC 3,1 (30X4) BU**	0820756	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK		
P1 UC-MAG 1	5146079	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Clip-on UniCard wire marking

Can be marked using:



UV LED technology

Plotter



Markers for conductor diameters from 2.8 to 4.4 mm

- The UC-WMC ... UniCard marking range includes markers for the captive marking of control cables right through to light plastic-sheathed cables with large diameters
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Can be clipped on even after wiring has been completed
- Two marking areas that can be easily read at anytime
- The markers support multi-line marking
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen
Conductor diameter range	[mm]	2.8 ... 4.4
Conductor cross section range	[mm²]	1.5 ... 4
Conductor cross section range	AWG	16 ... 12

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size: 15 x 5.5 mm, 15-section, 3 individual labels per strip				
	white	**UC-WMC 4,4 (15X5,5)**	0818182	8
	red	**UC-WMC 4,4 (15X5,5) RD**	0818852	8
	yellow	**UC-WMC 4,4 (15X5,5) YE**	0818836	8
	blue	**UC-WMC 4,4 (15X5,5) BU**	0818849	8
UniCard, for subsequent marking of conductors, lettering field size: 23 x 5.5 mm, 9-section, 3 individual labels per strip				
	white	**UC-WMC 4,4 (23X5,5)**	0818195	8
	red	**UC-WMC 4,4 (23X5,5) RD**	0818904	8
	yellow	**UC-WMC 4,4 (23X5,5) YE**	0818881	8
	blue	**UC-WMC 4,4 (23X5,5) BU**	0818894	8
UniCard, for subsequent marking of conductors, lettering field size: 30 x 5.5 mm, 9-section, 3 individual labels per strip				
	white	**UC-WMC 4,4 (30X5,5)**	0819657	8
	red	**UC-WMC 4,4 (30X5,5) RD**	0820882	10
	blue	**UC-WMC 4,4 (30X5,5) BU**	0820879	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK		
P1 UC-MAG 2	5146082	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Clip-on UniCard wire marking



Markers for conductor diameters from 4.2 to 5.6 mm



Markers for conductor diameters from 5 to 7.5 mm

Technical data

General data			
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER	BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA	PA
Flammability rating in accordance with UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen	Free from silicone and halogen
Conductor diameter range	[mm]	4.2 ... 5.6	5 ... 7.5
Conductor cross section range	[mm²]	4 ... 10	6 ... 16
Conductor cross section range	AWG	12 ... 10	10 ... 6

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size: 23 x 8 mm, 6-section, 2 individual labels per strip							
	white	**UC-WMC 5,6 (23X8)**	0825382	5	**UC-WMC 7,5 (23X8)**	0818179	5
	red	**UC-WMC 5,6 (23X8) RD**	0825387	5	**UC-WMC 7,5 (23X8) RD**	0819039	5
	yellow	**UC-WMC 5,6 (23X8) YE**	0825386	5	**UC-WMC 7,5 (23X8) YE**	0818933	5
	blue	**UC-WMC 5,6 (23X8) BU**	0825383	5	**UC-WMC 7,5 (23X8) BU**	0818946	5
UniCard, for subsequent marking of conductors, lettering field size: 30 x 8 mm, 6-section, 2 individual labels per strip							
	white	**UC-WMC 5,6 (30X8)**	0825396	5	**UC-WMC 7,5 (30X8)**	0819673	5
	red	**UC-WMC 5,6 (30X8) RD**	0825401	5	**UC-WMC 7,5 (30X8) RD**	0820963	5
	yellow	**UC-WMC 5,6 (30X8) YE**	0825400	5	**UC-WMC 7,5 (30X8) YE**	0819686	5
	blue	**UC-WMC 5,6 (30X8) BU**	0825397	5	**UC-WMC 7,5 (30X8) BU**	0820950	5

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK							
		P1 UC-MAG 3	5146095	1	**P1 UC-MAG 3**	5146095	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

Slide-on UniCard wire marking

- The UCT-WMCO ... UniCard marking range includes thread-on markers for the subsequent marking of conductors. The markers are easily slid on with the help of the UC-WMCO ... TOOL.
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Large-surface marking in a space-saving design



Markers for conductor diameters from 1.3 to 1.6 mm



Markers for conductor diameters from 1.6 to 2.1 mm

Technical data

General data			
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER	BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA	PA
Flammability rating in accordance with UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Components		Free from silicone and halogen	Free from silicone and halogen
Conductor diameter range	[mm]	1.3 ... 1.6	1.6 ... 2.1
Conductor cross section range	[mm²]	0.25 ... 0.5	0.5 ... 0.75

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size: 12 x 3 mm, 40-section, 10 individual labels per strip							
	white	**UC-WMCO 1,6 (12X3)**	0827092	10	**UC-WMCO 2,1 (12X3)**	0827120	10
	red	**UC-WMCO 1,6 (12X3) RD**	0827516	10	**UC-WMCO 2,1 (12X3) RD**	0827540	10
	yellow	**UC-WMCO 1,6 (12X3) YE**	0827513	10	**UC-WMCO 2,1 (12X3) YE**	0827537	10
	blue	**UC-WMCO 1,6 (12X3) BU**	0827514	10	**UC-WMCO 2,1 (12X3) BU**	0827538	10
UniCard, for subsequent marking of conductors, lettering field size: 21 x 3 mm, 40-section, 10 individual labels per strip							
	white	**UC-WMCO 1,6 (21X3)**	0827106	10	**UC-WMCO 2,1 (21X3)**	0827134	10
	red	**UC-WMCO 1,6 (21X3) RD**	0827528	10	**UC-WMCO 2,1 (21X3) RD**	0827552	10
	yellow	**UC-WMCO 1,6 (21X3) YE**	0827525	10	**UC-WMCO 2,1 (21X3) YE**	0827549	10
	blue	**UC-WMCO 1,6 (21X3) BU**	0827526	10	**UC-WMCO 2,1 (21X3) BU**	0807550	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK	**P1 UC-MAG 7**	5146568	1	**P1 UC-MAG 7**	5146568	1
Assembly tool, for easily sliding on UC-WMCO 1,6 and UC-WMCO 2,1 conductor markers	**UC-WMCO 2,1 TOOL**	0827803	10	**UC-WMCO 2,1 TOOL**	0827803	10
Assembly tool set, for easily sliding on UC-WMCO 1,6 ... and UC-WMCO 4,9 ... conductor markers	**UC-WMCO TOOL SET**	0827807	1	**UC-WMCO TOOL SET**	0827807	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Slide-on UniCard wire marking



Markers for conductor diameters from 2.1 to 2.9 mm



Markers for conductor diameters from 2.9 to 3.6 mm

Technical data

General data			
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER	BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA	PA
Flammability rating in accordance with UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Components		Free from silicone and halogen	Free from silicone and halogen
Conductor diameter range	[mm]	2.1 ... 2.9	2.9 ... 3.6
Conductor cross section range	[mm²]	0.75 ... 1.5	1.5 ... 2.5

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size: 12 x 3.5 mm, 40-section, 10 individual labels per strip							
	white	**UC-WMCO 2,9 (12X3,5)**	0827148	10			
	red	**UC-WMCO 2,9 (12X3,5) RD**	0827564	10			
	yellow	**UC-WMCO 2,9 (12X3,5) YE**	0827561	10			
	blue	**UC-WMCO 2,9 (12X3,5) BU**	0827562	10			
UniCard, for subsequent marking of conductors, lettering field size: 21 x 3.5 mm, 40-section, 10 individual labels per strip							
	white	**UC-WMCO 2,9 (21X3,5)**	0827162	10			
	red	**UC-WMCO 2,9 (21X3,5) RD**	0827576	10			
	yellow	**UC-WMCO 2,9 (21X3,5) YE**	0827573	10			
	blue	**UC-WMCO 2,9 (21X3,5) BU**	0827574	10			
UniCard, for subsequent marking of conductors, lettering field size: 12 x 4.5 mm, 32-section, 8 individual labels per strip							
	white				**UC-WMCO 3,6 (12X4,5)**	0827176	10
	red				**UC-WMCO 3,6 (12X4,5) RD**	0827588	10
	yellow				**UC-WMCO 3,6 (12X4,5) YE**	0827585	10
	blue				**UC-WMCO 3,6 (12X4,5) BU**	0827586	10
UniCard, for subsequent marking of conductors, lettering field size: 21 x 4.5 mm, 32-section, 8 individual labels per strip							
	white				**UC-WMCO 3,6 (21X4,5)**	0827190	10
	red				**UC-WMCO 3,6 (21X4,5) RD**	0827600	10
	yellow				**UC-WMCO 3,6 (21X4,5) YE**	0827597	10
	blue				**UC-WMCO 3,6 (21X4,5) BU**	0827598	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK			
	P1 UC-MAG 7	5146568	1
Assembly tool, for easily sliding on UC-WMCO 2,9 ... and UC-WMCO 3,6 ... conductor markers			
	UC-WMCO 3,6 TOOL	0827804	10
Assembly tool set, for easily sliding on UC-WMCO 1,6 ... and UC-WMCO 4,9 ... conductor markers			
	UC-WMCO TOOL SET	0827807	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Slide-on UniCard wire marking

- The UCT-WMCO ... marking range includes thread-on markers for the subsequent marking of conductors. The markers are easily slid on with the help of the UC-WMCO ... TOOL.
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements
- The BLUEMARK printing systems, CMS-P1-PLOTTER, and PLOTMARK mark the markers, which are supplied in uniform sheets, quickly and easily



Markers for conductor diameters from 3.6 to 4.9 mm



Markers for conductor diameters from 3.6 to 4.9 mm

Technical data

General data			
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID COLOR • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER	BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA	PA
Flammability rating in accordance with UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Components		Free from silicone and halogen	Free from silicone and halogen
Conductor diameter range	[mm]	3.6 ... 4.9	3.6 ... 4.9
Conductor cross section range	[mm²]	2.5 ... 4	2.5 ... 4

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size: 12 x 5 mm, 24-section, 6 individual labels per strip				
	white	**UC-WMCO 4,9 (12X5)**	0827733	5
	red	**UC-WMCO 4,9 (12X5) RD**	0827737	5
	yellow	**UC-WMCO 4,9 (12X5) YE**	0827734	5
	blue	**UC-WMCO 4,9 (12X5) BU**	0827735	5
UniCard, for subsequent marking of conductors, lettering field size: 21 x 5 mm, 24-section, 6 individual labels per strip				
	white	**UC-WMCO 4,9 (21X5)**	0827747	5
	red	**UC-WMCO 4,9 (21X5) RD**	0827751	5
	yellow	**UC-WMCO 4,9 (21X5) YE**	0827748	5
	blue	**UC-WMCO 4,9 (21X5) BU**	0827749	5

Accessories

	Type	Order No.	Pcs./Pkt.
Magazine, for CMS-P1-PLOTTER and PLOTMARK	**P1 UC-MAG 7**	5146568	1
Assembly tool, for easily sliding on UC-WMCO 4,9 ... conductor markers	**UC-WMCO 5,8 TOOL**	0827805	10
Assembly tool set, for easily sliding on UC-WMCO 1,6 ... and UC-WMCO 4,9 ... conductor markers	**UC-WMCO TOOL SET**	0827807	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Wire marking with ferrules that can be marked



- Ferrules that can be marked with BLUEMARK printing systems
- Crimping and marking in one step
- Highly resistant and optimum printing quality, thanks to modern UV printing technology
- Ferrules made from electrolytic copper
- Electrogalvanized
- Corresponding crimping pliers can be found on page 417.

Can be marked using:

UV

UV LED technology



Ferrules for conductors with a cross section of 0.5 to 2.5 mm², lettering field size: 15 x 4 mm

EAC

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED
Material / coating		E-CU / tin-plated (galvanic)
Temperature range	[°C]	-40 ... 120
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Ferrules, with plastic sleeve that can be marked, color range in accordance with **DIN 46228-4: 1990-09**				
20 pcs., 0.5 mm² cross section	white	**AI-WM 0,5-8 WH**	3240542	780
20 pcs., 0.75 mm² cross section	gray	**AI-WM 0,75-8 GY**	3240543	780
20 pcs., 1.0 mm² cross section	red	**AI-WM 1-8 RD**	3240544	780
20 pcs., 1.5 mm² cross section	white	**AI-WM 1,5-8 WH**	3240545	780
20 pcs., 2.5 mm² cross section	blue	**AI-WM 2,5-8 BU**	3240572	528

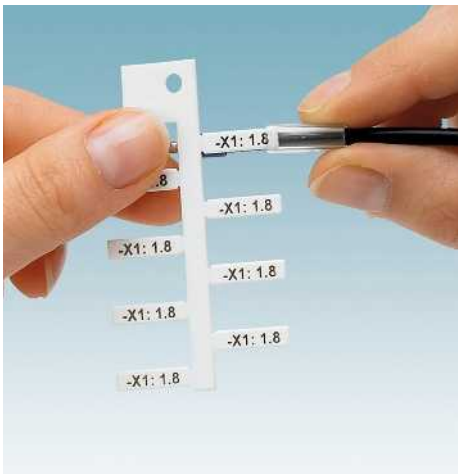
Accessories

Magazine for BLUEMARK printer, for accommodating ferrules with insulating collar that can be marked			
For 0.5-1.5 mm²	**BLUEMARK MAG AI-WM**	5146567	1
For 2.5 mm²	**BLUEMARK MAG AI-WM 2,5**	5146640	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenseng.com - www.stevenengineering.com

UniCard wire marking for marking collars



Can be marked using:

UV LED technology

Plotter



Markers with lettering field size 10 x 4 mm to 18 x 4 mm

- The UC-WMT ... UniCard marking range includes markers for wire marking with marking collars from the PATG/PATO ... system; see page 248.
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Marked insert strips are simply inserted into the collars. This protects the marking against contamination
- The insert labels are aligned in such a way on the UniCard materials that they can be separated branch-wise. This makes mounting easier
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

PATG/PATO ... system, see page 248.

Technical data

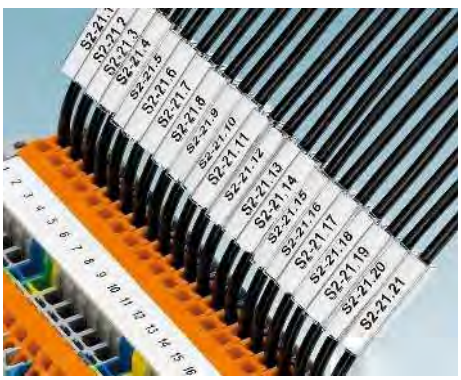
General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 10 x 4 mm, 48-section, 8 individual labels per strip				
	white	**UC-WMT (10X4)**	0819372	10
	red	**UC-WMT (10X4) RD**	0821001	10
	yellow	**UC-WMT (10X4) YE**	0819385	10
	blue	**UC-WMT (10X4) BU**	0820992	10
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 12 x 4 mm, 32-section, 8 individual labels per strip				
	white	**UC-WMT (12X4)**	0823517	10
	red	**UC-WMT (12X4) RD**	0823614	10
	yellow	**UC-WMT (12X4) YE**	0823591	10
	blue	**UC-WMT (12X4) BU**	0823575	10
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 15 x 4 mm, 32-section, 8 individual labels per strip				
	white	**UC-WMT (15X4)**	0819398	10
	red	**UC-WMT (15X4) RD**	0821043	10
	yellow	**UC-WMT (15X4) YE**	0819408	10
	blue	**UC-WMT (15X4) BU**	0821030	10
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 18 x 4 mm, 24-section, 8 individual labels per strip				
	white	**UC-WMT (18X4)**	0820293	10
	red	**UC-WMT (18X4) RD**	0821085	10
	yellow	**UC-WMT (18X4) YE**	0820303	10
	blue	**UC-WMT (18X4) BU**	0821072	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK		
P1 UC-MAG 4	5146105	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard wire marking for marking collars



Markers with lettering field size 23 x 4 mm



Markers with lettering field size 30 x 4 mm

Technical data

General data			
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER	BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA	PA
Flammability rating in accordance with UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 23 x 4 mm, 24-section, 8 individual labels per strip							
	white	**UC-WMT (23X4)**	0819411	10			
	red	**UC-WMT (23X4) RD**	0821124	10			
	yellow	**UC-WMT (23X4) YE**	0819424	10			
	blue	**UC-WMT (23X4) BU**	0821111	10			
	silver	**UC-WMT (23X4) SR**	0802719	10			
UniCard sheet, with insert strips for PATG and PATO marking collars, for lettering field size 30 x 4 mm, 16-section, 8 individual labels per strip							
	white				**UC-WMT (30X4)**	0819437	10
	red				**UC-WMT (30X4) RD**	0821166	10
	yellow				**UC-WMT (30X4) YE**	0819440	10
	blue				**UC-WMT (30X4) BU**	0821153	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK							
		P1 UC-MAG 4	5146105	1	**P1 UC-MAG 4**	5146105	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard cable marking for assembly with cable ties



Can be marked using:

UV LED technology

Plotter



Markers for cable diameters > 7 mm

- The UCT-WMTB ... and UC-WMTBA ... UniCard marking ranges provide markers for fastening with standard cable ties
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- For large-surface marking of conductors and cables > 7 mm in diameter
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

For more cable markers for fastening with cable ties, visit: phoenixcontact.net/products

For corresponding cable ties, see from page 614.

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Components		Free from silicone and halogen
Cable diameter range	[mm]	> 7 ... 136
Cable cross section range	[mm²]	> 16

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for mounting with two cable ties, lettering field size: 44 x 15 mm, 4-section, 1 individual label per strip				
	white	**UC-WMTB (44X15)**	0828376	10
	red	**UC-WMTB (44X15) RD**	0828377	10
	yellow	**UC-WMTB (44X15) YE**	0828379	10
	blue	**UC-WMTB (44X15) BU**	0828381	10
UniCard, for mounting with one cable tie				
3-section, lettering field size: 52 x 30 mm	white	**UC-WMTB (52X30)**	5775288	10
2-section, lettering field size: 52 x 50 mm	white	**UC-WMTB (52X50)**	5775289	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK			
	P1 UC-MAG 6	5146121	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard cable marking for assembly with cable ties

Notes:

Cable ties can be used for UC-WMTBA... up to a width of 5 mm.

For corresponding cable ties, see from page 614.



Markers for cable diameters > 4 mm



Markers for cable diameters > 6 mm

Technical data

General data			
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER	BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA	PA
Flammability rating in accordance with UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Components		Free from silicone and halogen	Free from silicone and halogen
Cable diameter range	[mm]	> 4 ... 136	> 6 ... 136

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
UniCard, for assembly with cable ties, lettering field size: 24 x 5 mm, 12-section, 4 individual labels per strip							
	white	**UC-WMTBA (24X5)**	0820426	10			
	red	**UC-WMTBA (24X5) RD**	0820565	10			
	yellow	**UC-WMTBA (24X5) YE**	0820439	10			
	blue	**UC-WMTBA (24X5) BU**	0820552	10			
UniCard, for assembly with cable ties, lettering field size: 29 x 6 mm, 12-section, 4 individual labels per strip							
	white				**UC-WMTBA (29X8)**	0820183	10
	red				**UC-WMTBA (29X8) RD**	0820604	10
	yellow				**UC-WMTBA (29X8) YE**	0820390	10
	blue				**UC-WMTBA (29X8) BU**	0820594	10
UniCard, for assembly with cable ties, lettering field size: 60 x 11 mm, 4-section, 1 individual label per strip							
	white				**UC-WMTBA (60X11)**	0820468	10
	red				**UC-WMTBA (60X11) RD**	0820646	10
	yellow				**UC-WMTBA (60X11) YE**	0820471	10
	blue				**UC-WMTBA (60X11) BU**	0820633	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK						
		P1 UC-MAG 1	5146079	1	**P1 UC-MAG 1**	5146079	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard wire marking for marking collars



- The UCT-WMT ... UniCard marking range includes markers for wire marking with marking collars from the PATG/PATO ... system; see page 248.
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Marked insert strips are simply inserted into the collars. This protects the marking against contamination
- The insert labels are aligned in such a way on the UniCard materials that they can be separated branch-wise. This makes mounting easier
- The sheets provide space for including function texts
- The UCT sheets can also be used with the THERMOMARK CARD-UCT-MAG7 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

PATG/PATO ... system, see page 248.

Can be marked using:

Direct laser marking

UV LED technology

Thermal transfer



Markers with lettering field size from 10 x 4 mm to 18 x 4 mm

Technical data

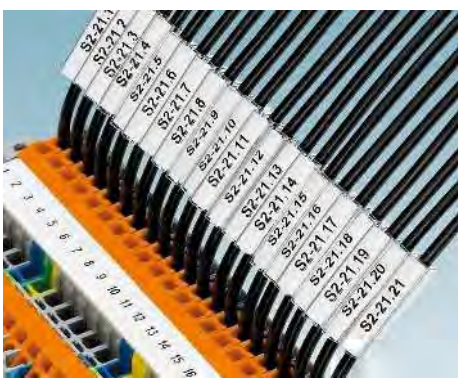
General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC V0
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 10 x 4 mm, 60-section				
	white	**UCT-WMT (10X4)**	0801430	10
	red	**UCT-WMT (10X4) RD**	0801433	10
	yellow	**UCT-WMT (10X4) YE**	0801431	10
	blue	**UCT-WMT (10X4) BU**	0801437	10
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 12 x 4 mm, 50-section				
	white	**UCT-WMT (12X4)**	0801438	10
	red	**UCT-WMT (12X4) RD**	0801440	10
	yellow	**UCT-WMT (12X4) YE**	0801439	10
	blue	**UCT-WMT (12X4) BU**	0801444	10
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 15 x 4 mm, 50-section				
	white	**UCT-WMT (15X4)**	0801446	10
	red	**UCT-WMT (15X4) RD**	0801448	10
	yellow	**UCT-WMT (15X4) YE**	0801447	10
	blue	**UCT-WMT (15X4) BU**	0801452	10
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 18 x 4 mm, 40-section				
	white	**UCT-WMT (18X4)**	0801462	10
	red	**UCT-WMT (18X4) RD**	0801464	10
	yellow	**UCT-WMT (18X4) YE**	0801463	10
	blue	**UCT-WMT (18X4) BU**	0801468	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-WMT..., UCT-EM (7x10)	**TMP-UCT-MAG7**	0803349	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard wire marking for marking collars



Markers with lettering field size 23 x 4 mm/30 x 4 mm

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC V0
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 23 x 4 mm				
	white	**UCT-WMT (23X4)**	0801453	10
	red	**UCT-WMT (23X4) RD**	0801455	10
	yellow	**UCT-WMT (23X4) YE**	0801454	10
	blue	**UCT-WMT (23X4) BU**	0801460	10
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 30 x 4 mm				
	white	**UCT-WMT (30X4)**	0801422	10
	red	**UCT-WMT (30X4) RD**	0801424	10
	yellow	**UCT-WMT (30X4) YE**	0801423	10
	blue	**UCT-WMT (30X4) BU**	0801428	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-WMT..., UCT-EM (7x10)	**TMP-UCT-MAG7**	0803349	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

Slide-on UniCard wire marking



- The UCT-WMS ... UniCard marking range includes markers that can be slid onto conductors
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The markers support multi-line marking
- The sheets provide space for including function texts
- The UCT sheets can also be used with the THERMOMARK CARD-UCT-MAG3 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Can be marked using:

Direct laser marking

UV LED technology

Thermal transfer



Markers for conductor diameters from 1.5 to 4.7 mm

Technical data

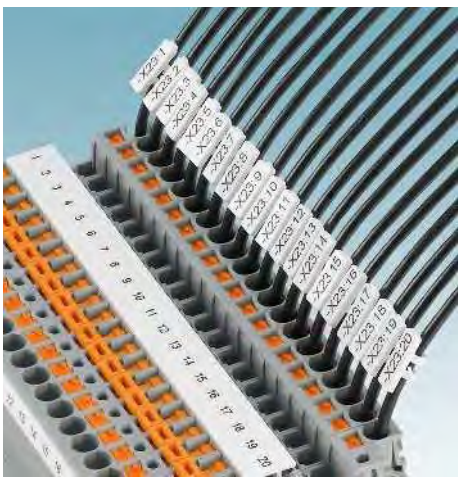
General data	
Can be marked with	TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material	PC V0
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 120
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, conductor diameter 1.5 - 3.2 mm				
55-section, lettering field size: 12 x 4 mm	white	**UCT-WMS 3,2 (12X4)**	0828570	8
	yellow	**UCT-WMS 3,2 (12X4) YE**	0828572	8
UniCard, conductor diameter 2.5 - 4.7 mm				
45-section, lettering field size: 12 x 5.5 mm	white	**UCT-WMS 4,7 (12X5,5)**	0828571	6
	yellow	**UCT-WMS 4,7 (12X5,5) YE**	0828573	6

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UCT-WMS...	**TMP-UCT-MAG3**	0803344	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Clip-on UniCard wire marking



- The UCT-WMCO ... UniCard marking range includes clip-on markers for the subsequent marking of conductors
- Secure tight fit even in the event of vibrations
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Large-surface marking in a space-saving design
- The sheets provide space for including function texts
- The UCT sheets can also be used with the corresponding THERMOMARK CARD-UCT-MAG25 and 28 magazines in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements



Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



Markers for conductor diameters from 1.1 to 7.5 mm

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, conductor diameter 1.1 - 1.9 mm				
24-section, lettering field size: 23 x 4 mm	white	**UCT-WMCO 1,9 (23X4)**	0832100	9
UniCard, conductor diameter 2 - 2.9 mm				
32-section, lettering field size: 12 x 4 mm	white	**UCT-WMCO 2,9 (12X4)**	0830780	9
	yellow	**UCT-WMCO 2,9 (12X4) YE**	0831204	9
32-section, lettering field size: 18 x 4 mm	white	**UCT-WMCO 2,9 (18X4)**	0830781	9
	yellow	**UCT-WMCO 2,9 (18X4) YE**	0831205	9
24-section, lettering field size: 23 x 4 mm	white	**UCT-WMCO 2,9 (23X4)**	0832101	9
UniCard, conductor diameter 2.9 - 3.5 mm				
32-section, lettering field size: 12 x 4 mm	white	**UCT-WMCO 3,5 (12X4)**	0830782	7
	yellow	**UCT-WMCO 3,5 (12X4) YE**	0831206	7
32-section, lettering field size: 18 x 4 mm	white	**UCT-WMCO 3,5 (18X4)**	0830783	7
	yellow	**UCT-WMCO 3,5 (18X4) YE**	0831207	7
24-section, lettering field size: 23 x 4 mm	white	**UCT-WMCO 3,5 (23X4)**	0832102	7
UniCard, conductor diameter 3.5 - 4.1 mm				
32-section, lettering field size: 12 x 4 mm	white	**UCT-WMCO 4,1 (12X4)**	0830784	6
	yellow	**UCT-WMCO 4,1 (12X4) YE**	0831208	6
32-section, lettering field size: 18 x 4 mm	white	**UCT-WMCO 4,1 (18X4)**	0830785	6
	yellow	**UCT-WMCO 4,1 (18X4) YE**	0831209	6
24-section, lettering field size: 23 x 4 mm	white	**UCT-WMCO 4,1 (23X4)**	0832103	7
UniCard, conductor diameter 4.1 - 4.7 mm				
32-section, lettering field size: 12 x 4 mm	white	**UCT-WMCO 4,7 (12X4)**	0830786	6
	yellow	**UCT-WMCO 4,7 (12X4) YE**	0831210	6
32-section, lettering field size: 18 x 4 mm	white	**UCT-WMCO 4,7 (18X4)**	0830787	6
	yellow	**UCT-WMCO 4,7 (18X4) YE**	0831211	6
24-section, lettering field size: 23 x 4 mm	white	**UCT-WMCO 4,7 (23X4)**	0832104	6
UniCard, conductor diameter 4.7 - 5.4 mm				
18-section, lettering field size: 23 x 8 mm	white	**UCT-WMCO 5,4 (23X8)**	0832105	5
UniCard, conductor diameter 5.4 - 6.1 mm				
18-section, lettering field size: 23 x 8 mm	white	**UCT-WMCO 6,1 (23X8)**	0832106	5
UniCard, conductor diameter 6.1 - 6.8 mm				
18-section, lettering field size: 23 x 8 mm	white	**UCT-WMCO 6,8 (23X8)**	0832107	4
UniCard, conductor diameter 6.8 - 7.5 mm				
18-section, lettering field size: 23 x 8 mm	white	**UCT-WMCO 7,5 (23X8)**	0832108	4

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating: UCT-WMCO ... (12x4)	**TMP-UCT-MAG25**	0803369	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating: UCT-WMCO ... (18x4)	**TMP-UCT-MAG28**	0803372	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating: UCT-WMCO ... (23xX)	**TMP-UCT-MAG29**	0803373	1

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UniCard cable marking for assembly with cable ties



Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



Markers for cable diameters > 5 mm

- The UCT-WMTBA ... UniCard marking range provides markers for fastening with standard cable ties
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- For large-surface marking of conductors and cables > 5 mm in diameter
- The sheets provide space for including function texts
- Thanks to their angular shape the markers fit perfectly onto cables
- The UCT sheets can also be used with the THERMOMARK CARD-UCT-MAG27 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

For cable ties up to 5 mm wide.

For matching cable ties, see page 614 onwards or the product area on our website at phoenixcontact.net/products.

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for assembly with cable ties, for conductor diameters > 5 mm, 15-section, 5 individual labels per strip				
Lettering field size: 24 x 4 mm	white	**UCT-WMTBA (24X4)**	1014082	10
	yellow	**UCT-WMTBA (24X4) YE**	1014083	10
UniCard, for assembly with cable ties, for conductor diameters > 6 mm, 12-section, 4 individual labels per strip				
Lettering field size: 29 x 6 mm	white	**UCT-WMTBA (29X6)**	1014084	10
	yellow	**UCT-WMTBA (29X6) YE**	1014085	10
UniCard, for assembly with cable ties, for conductor diameters > 6 mm, 3-section, 1 individual label per strip				
Lettering field size: 40 x 17 mm	white	**UCT-WMTBA (40X17)**	1014086	10
	yellow	**UCT-WMTBA (40X17) YE**	1014087	10

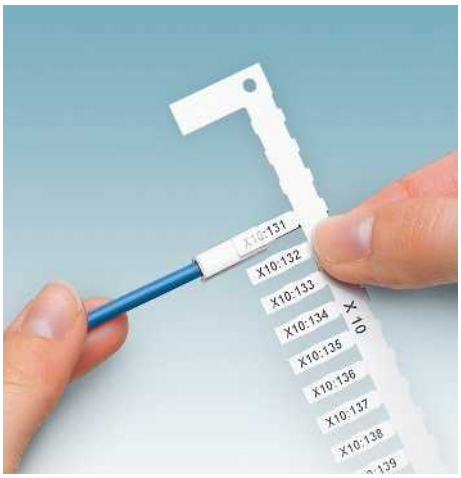
Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UCT-WMTBA (25x6), UCT-WMTBA (29x8), UCT-WMTBA (40x17)	**TMP-UCT-MAG27**	0803371	1

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UniSheet wire marking for marking collars



- The US-WMT ... UniSheet marking range includes markers for wire marking with marking collars from the PATG/PATO ... system
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
- Marked insert strips are simply inserted into the collars. This protects the marking against contamination
- The perforated marking strips are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Notes:

For PATG/PATO... system marking collars, see page 248.

Can be marked using:



UV LED technology



Thermal transfer



Markers with lettering field size 10 x 4 mm to 15 x 4 mm

Technical data

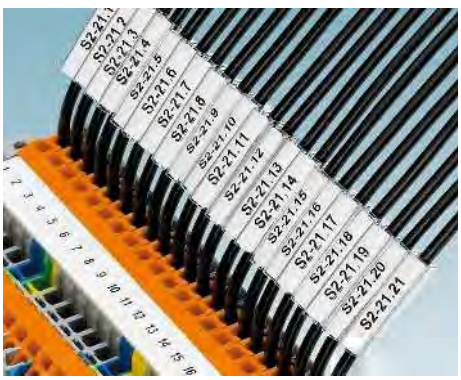
General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Number of individual labels		112
Number of individual labels per strip		14
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with insert strips for PATG and PATO marking collars, 112-section, lettering field size: 10 x 4 mm				
	white	**US-WMT (10X4)**	0828765	10
	red	**US-WMT (10X4) RD**	0829273	10
	yellow	**US-WMT (10X4) YE**	0828952	10
	blue	**US-WMT (10X4) BU**	0829277	10
UniSheet, with insert strips for PATG and PATO marking collars, 96-section, lettering field size: 12 x 4 mm				
	white	**US-WMT (12X4)**	0828766	10
	red	**US-WMT (12X4) RD**	0829280	10
	yellow	**US-WMT (12X4) YE**	0828953	10
	blue	**US-WMT (12X4) BU**	0829284	10
UniSheet, with insert strips for PATG and PATO marking collars, 84-section, lettering field size: 15 x 4 mm				
	white	**US-WMT (15X4)**	0828767	10
	red	**US-WMT (15X4) RD**	0829287	10
	yellow	**US-WMT (15X4) YE**	0828954	10
	blue	**US-WMT (15X4) BU**	0829291	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniSheet wire marking for marking collars



Markers with lettering field size 18 x 4 to 30 x 4 mm

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Number of individual labels per strip		14
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with insert strips for PATG and PATO marking collars, 70-section, lettering field size: 18 x 4 mm				
	white	**US-WMT (18X4)**	0828768	10
	red	**US-WMT (18X4) RD**	0829294	10
	yellow	**US-WMT (18X4) YE**	0828955	10
	blue	**US-WMT (18X4) BU**	0829298	10
UniSheet, with insert strips for PATG and PATO marking collars, 56-section, lettering field size: 23 x 4 mm				
	white	**US-WMT (23X4)**	0828769	10
	red	**US-WMT (23X4) RD**	0829301	10
	yellow	**US-WMT (23X4) YE**	0828956	10
	blue	**US-WMT (23X4) BU**	0829305	10
UniSheet, with insert strips for PATG and PATO marking collars, 42-section, lettering field size: 30 x 4 mm				
	white	**US-WMT (30X4)**	0828770	10
	red	**US-WMT (30X4) RD**	0829308	10
	yellow	**US-WMT (30X4) YE**	0828957	10
	blue	**US-WMT (30X4) BU**	0829312	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

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UniSheet wire marking for assembly with cable ties



– The US-WMTB ... UniSheet marking range provides markers for fastening with standard cable ties
– The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
– The perforated marking strips are easy to separate and can be easily fitted
– The sheets provide space for including function texts
– The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
– Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Notes:

For corresponding cable ties, see from page 614.

Can be marked using:

UV LED technology

Thermal transfer



Markers for conductor diameters > 13 mm

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, markers for fastening with cable ties, for conductor diameter ≥ 13 mm				
35-section, lettering field size: 24 x 5 mm	white	**US-WMTB (24X5)**	0828771	10
	red	**US-WMTB (24X5) RD**	0829320	10
	yellow	**US-WMTB (24X5) YE**	0828958	10
	blue	**US-WMTB (24X5) BU**	0829324	10
24-section, lettering field size: 29 x 8 mm, for conductor diameter ≥ 13 mm	white	**US-WMTB (29X8)**	0828772	10
	red	**US-WMTB (29X8) RD**	0829327	10
	yellow	**US-WMTB (29X8) YE**	0828959	10
	blue	**US-WMTB (29X8) BU**	0829331	10
12-section, lettering field size: 44 x 15 mm, for conductor diameter ≥ 13 mm	white	**US-WMTB (44X15)**	0828773	10
	red	**US-WMTB (44X15) RD**	0829334	10
	yellow	**US-WMTB (44X15) YE**	0828960	10
	blue	**US-WMTB (44X15) BU**	0829338	10

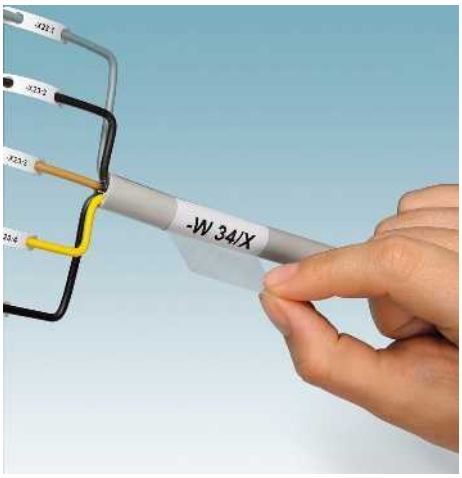
Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1



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Self-adhesive wire marking with transparent protective film



- The US-WML ... cable marker labels consist of a marking field and a transparent protective film
- The protective film is wrapped over the marking. This means the film protects against contamination and abrasion
- The cable marker labels do not increase the cross section of the cable, allowing the cable to be subsequently drawn through cable ducts, for example
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
- Quick and easy handling
- Resistant to solvents
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Can be marked using:



UV LED technology



Thermal transfer



Markers for conductor diameters of up to 36 mm

Technical data

General data	
Can be marked with	BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material	PVC
Temperature range [°C]	-50 ... 110
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker labels				
32-section, lettering field size: 13 x 13 mm, conductor diameter < 6.0 mm	white	**US-WML 6 (13X13)**	0800472	10
8-section, lettering field size: 19 x 25 mm, conductor diameter < 14.0 mm	white	**US-WML 14 (25X19)**	0800473	10
4-section, lettering field size: 25 x 25 mm, conductor diameter < 36.0 mm	white	**US-WML 36 (25X25)**	0800474	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1



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Self-adhesive wire marking with transparent protective film



- WML ... cable marker labels consist of a marking field and a transparent protective film
- The protective film is wrapped over the marking. This means the film protects against contamination and abrasion
- The cable marker labels do not increase the cross section of the cable, allowing the cable to be subsequently drawn through cable ducts, for example
- Quick and easy handling
- Resistant to solvents
- Marking service: Phoenix Contact can custom-mark many sheet markers according to your requirements
- **Designation example:**
  WML 3 (13x10)A4
  Conductor diameter: up to 3 mm Ø
  Lettering field width: 13 mm
  Lettering field height: 10 mm
  Type of packaging: sheet

Notes:

Print image may vary depending on laser printer

Can be marked using:

Office laser printing



Markers for conductor diameters of up to 36 mm

Technical data

General data		
Can be marked with		Office printing systems
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from halogen and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker labels, sheet format: A4, self-adhesive				
1 sheet = 156 labels, up to 3.0 mm Ø	white	**WML 3 (13X10)A4**	0830687	10
1 sheet = 156 labels, up to 3.0 mm Ø	yellow	**WML 3 (13X10)A4 YE**	0830688	10
1 sheet = 77 labels, up to 5.0 mm Ø	white	**WML 5 (25X10)A4**	0830689	10
1 sheet = 77 labels, up to 5.0 mm Ø	yellow	**WML 5 (25X10)A4 YE**	0830690	10
1 sheet = 56 labels, up to 7.5 mm Ø	white	**WML 7,5 (25X13)A4**	0830691	10
1 sheet = 56 labels, up to 7.5 mm Ø	yellow	**WML 7,5 (25X13)A4 YE**	0830692	10
1 sheet = 28 labels, up to 14 mm Ø	white	**WML 14 (25X19)A4**	0830693	10
1 sheet = 28 labels, up to 14 mm Ø	yellow	**WML 14 (25X19)A4 YE**	0830694	10
1 sheet = 10 labels, up to 22 mm Ø	white	**WML 22 (35X25)A4**	0830695	10
1 sheet = 10 labels, up to 22 mm Ø	yellow	**WML 22 (35X25)A4 YE**	0830696	10
1 sheet = 14 labels, up to 36 mm Ø	white	**WML 36 (25X38)A4**	0830697	10
1 sheet = 14 labels, up to 36 mm Ø	yellow	**WML 36 (25X38)A4 YE**	0830698	10



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Self-adhesive wire marking with transparent protective film



- The cable marker labels consist of a marking field and a transparent protective film
- The protective film is wrapped over the marking. This means the film protects against contamination and abrasion
- The cable marker labels do not increase the cross section of the cable, allowing the cable to be subsequently drawn through cable ducts, for example
- Quick and easy handling
- Resistant to solvents

Radio-frequency identification, RFID

- The WML-RFID/HF conductor markers are also equipped with an integrated high-frequency transponder. They are used for contact-free identification, data exchange, and localization with the aid of an RFID handheld device

Notes:
Due to the wide variety of cable and conductor types, the transponder function must always be checked by the end customer.
WML-RFID/HF conductor markers cannot be marked by the THERMOMARK S1.1 and THERMOMARK X1.1.
If you wish to process large rolls with the THERMOMARK ROLL..., use the THERMOMARK ROLL-ERH external media hub. See printers, page 40.



Can be marked using:



Thermal transfer for rolls



Markers for conductor diameters of up to 46 mm

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		PVC
Temperature range	[°C]	-50 ... 110
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker labels, can be marked with a thermal transfer printer				
1 roll = 5000 labels, up to 3 mm Ø	white	**WML 3 (13X10)R**	0800073	1
1 roll = 3000 labels, up to 5 mm Ø	white	**WML 5 (25X10)R**	0817523	1
1 roll = 3000 labels, up to 5 mm Ø	yellow	**WML 5 (25X10)R YE**	0830673	1
1 roll = 7000 labels, up to 6 mm Ø	white	**WML 6 (13X13)R**	0816252	1
1 roll = 7000 labels, up to 6 mm Ø	yellow	**WML 6 (13X13)R YE**	0830674	1
1 roll = 4000 labels, up to 7.5 mm Ø	white	**WML 7,5 (13X13)R**	0800074	1
1 roll = 1500 labels, up to 7.5 mm Ø	white	**WML 7,5 (17X9)R**	0828444	1
1 roll = 2100 labels, up to 7.5 mm Ø	white	**WML 7,5 (25X13)R**	0800075	1
1 roll = 1000 labels, up to 12 mm Ø	white	**WML 12 (25X19)R**	0800076	1
1 roll = 1500 labels, up to 14 mm Ø	white	**WML 14 (25X19)R**	0817536	1
1 roll = 1500 labels, up to 14 mm Ø	yellow	**WML 14 (25X19)R YE**	0817549	1
1 roll = 1000 labels, up to 14 mm Ø	white	**WML 14 (38X19)R**	0817552	1
1 roll = 1000 labels, up to 14 mm Ø	yellow	**WML 14 (38X19)R YE**	0830675	1
1 roll = 2500 labels, up to 18 mm Ø	white	**WML 18 (12X12)R**	0817507	1
1 roll = 500 labels, up to 20 mm Ø	white	**WML 20 (31X25)R**	0828457	1
1 roll = 2500 labels, up to 18 mm Ø	white	**WML 22 (25X25)R**	0800078	1
1 roll = 500 labels, up to 36 mm Ø	white	**WML 36 (25X38)R**	0817510	1
1 roll = 250 labels, up to 46 mm Ø	white	**WML 46 (25X38)R**	0800067	1
Cable marker labels, on large roll				
1 roll = 10,000 labels, up to 5 mm Ø	white	**WML 5 (25X10)RL**	0830676	1
1 roll = 15,000 labels, up to 6 mm Ø	white	**WML 6 (13X13)RL**	0830677	1
1 roll = 5000 labels, up to 14 mm Ø	white	**WML 14 (25X19)RL**	0830678	1
1 roll = 3000 labels, up to 14 mm Ø	white	**WML 14 (38X19)RL**	0830679	1
Cable marker labels, with integrated high-frequency transponder, can be marked with a thermal transfer printer Reading performance: max. 0.02 m, depending on the environment Frequency: 13.56 MHz, Memory capacity: 1 kbps, ISO 15693 and ISO 18000-3 mode 1				
1 roll = 750 labels, min. 6 mm to 14 mm Ø	white	**WML-RFID/HF 14 (25X19)R**	0803386	1

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Self-adhesive wire marking with transparent protective film, halogen-free



- The halogen-free cable marker labels consist of a marking field and a transparent protective film
- The protective film is wrapped over the marking. This means the film protects against contamination and abrasion
- The cable marker labels do not increase the cross section of the cable, allowing the cable to be subsequently drawn through cable ducts, for example
- The thermal transfer printer creates a high-quality print image
- Quick and easy handling
- Resistant to solvents
- **Designation example:**
  WML HF 3 (13x10)R
  HF: halogen-free material
  Conductor diameter: up to 3 mm Ø
  Lettering field width: 13 mm
  Lettering field height: 10 mm
  Type of packaging: roll



Can be marked using:

Thermal transfer for rolls

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Markers for conductor diameters of up to 36 mm

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyethylene
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker labels, halogen-free				
1 roll = 5000 labels, up to 3 mm Ø	white	**WML HF 3(13X10)R**	0830812	1
1 roll = 5000 labels, up to 3 mm Ø	yellow	**WML HF 3(13X10)R YE**	0830813	1
1 roll = 3000 labels, up to 5 mm Ø	white	**WML HF 5(25X10)R**	0830814	1
1 roll = 3000 labels, up to 5 mm Ø	yellow	**WML HF 5(25X10)R YE**	0830815	1
1 roll = 2100 labels, up to 7.5 mm Ø	white	**WML HF 7,5(25X13)R**	0830816	1
1 roll = 2100 labels, up to 7.5 mm Ø	yellow	**WML HF 7,5(25X13)R YE**	0830817	1
1 roll = 1500 labels, up to 14 mm Ø	white	**WML HF 14(25X19)R**	0830818	1
1 roll = 1500 labels, up to 14 mm Ø	yellow	**WML HF 14(25X19)R YE**	0830819	1
1 roll = 2500 labels, up to 18 mm Ø	white	**WML HF 22(25X25)R**	0830820	1
1 roll = 2500 labels, up to 18 mm Ø	yellow	**WML HF 22(25X25)R YE**	0830821	1
1 roll = 500 labels, up to 36 mm Ø	white	**WML HF 36(25X38)R**	0830822	1
1 roll = 500 labels, up to 36 mm Ø	yellow	**WML HF 36(25X38)R YE**	0830823	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1

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Self-adhesive wire marking as a flag, vertical



The WML-FLAGV ... wire marking flags support large-surface marking of conductors with a diameter of up to 6 mm perpendicular to the conductor direction. They are characterized by the following:
– Can be printed on both sides
– The thermal transfer printer creates a high-quality print image
– Quick and easy handling
– Resistant to solvents

Notes:
Corresponding ink ribbons can be found in our online shop at phoenixcontact.net/products.



Markers for conductor diameters of up to 6 mm

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyolefine
Temperature range	[°C]	-40 ... 60
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marking flags, can be marked with thermal transfer printer				
1 roll = 2500 labels, up to 6 mm Ø, lettering field size: 20 x 10 mm,	white	**WML-FLAG 6 (20X10)R**	0830711	1
1 roll = 2500 labels, up to 6 mm Ø, lettering field size: 30 x 10 mm,	white	**WML-FLAG 6 (30X10)R**	0830712	1

Self-adhesive wire marking as a flag, horizontal



The WML-FLAG ... wire marking flags support large-surface marking of conductors with a diameter of up to 6 mm parallel to the conductor direction. They are characterized by the following:
– Can be printed on both sides
– The thermal transfer printer creates a high-quality print image
– Quick and easy handling
– Resistant to solvents

Notes:
Corresponding ink ribbons can be found in our online shop at phoenixcontact.net/products.



Markers for conductor diameters of up to 6 mm

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyolefine
Temperature range	[°C]	-40 ... 60
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marking flags				
1 roll = 2500 labels, up to 6 mm Ø, lettering field size: 20 x 10 mm,	white	**WML-FLAGV 6 (20X10)R**	0830713	1
1 roll = 2500 labels, up to 6 mm Ø, lettering field size: 30 x 10 mm,	white	**WML-FLAGV 6 (30X10)R**	0830714	1

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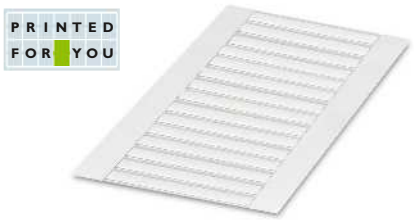
Pre-assembled shrink sleeves, halogen-free



Can be marked using:

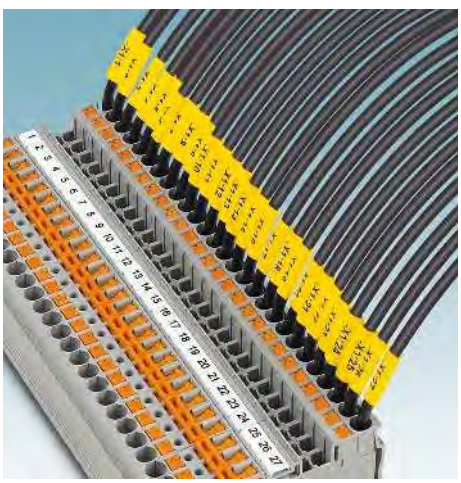


Thermal transfer for rolls



Conductor diameter from 1.2 to 50.8 mm, various colors

- WMS-2 HF ... shrink sleeves provide permanent and captive conductor and cable marking
- The material is available pre-assembled in a handy conductor format
- Up to four markings, separated from each other, are positioned on the carrier material on each row. Each is arranged separately
- Feed the conductor through the sleeve. If required, fix the conductor by shrinking the sleeve
- The shrink sleeves also provide electrical insulation. They also provide mechanical protection
- The shrink ratio is 2:1
- The shrink sleeves can be printed on one side
- The WMS-2 HF ... product range satisfies the stringent requirements of DIN EN 45545-2 (R22/R23/R24:HL3), making it ideal for use in the railway industry



Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyolefine
Temperature range	[°C]	-30 ... 105
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink ratio		2:1

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shrink sleeve, for conductor diameter of 1.2 - 2.4 mm				
1 roll = 4000 markers, each 15 mm long	white	**WMS-2 HF 2,4 (15X4)RL**	0801000	1
	yellow	**WMS-2 HF 2,4 (15X4)RL YE**	0801004	1
1 roll = 2000 markers, each 30 mm long	white	**WMS-2 HF 2,4 (30X4)RL**	0801006	1
	yellow	**WMS-2 HF 2,4 (30X4)RL YE**	0801007	1
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 2,4 (60X4)RL**	0801008	1
	yellow	**WMS-2 HF 2,4 (60X4)RL YE**	0801009	1
Shrink sleeve, for conductor diameter of 1.5 - 3.2 mm				
1 roll = 4000 markers, each 15 mm long	white	**WMS-2 HF 3,2 (15X5)RL**	0801001	1
	yellow	**WMS-2 HF 3,2 (15X5)RL YE**	0801010	1
1 roll = 2000 markers, each 30 mm long	white	**WMS-2 HF 3,2 (30X5)RL**	0801011	1
	yellow	**WMS-2 HF 3,2 (30X5)RL YE**	0801012	1
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 3,2 (60X5)RL**	0801002	1
	yellow	**WMS-2 HF 3,2 (60X5)RL YE**	0801013	1
1 roll = 2500 markers, each 60 mm long	white	**WMS-2 HF 3,2 (60X5)RXL**	0810100	1
Shrink sleeve, for conductor diameter of 2.4 - 4.8 mm				
1 roll = 4000 markers, each 15 mm long	white	**WMS-2 HF 4,8 (15X9)RL**	0801014	1
	yellow	**WMS-2 HF 4,8 (15X9)RL YE**	0801015	1
1 roll = 2000 markers, each 30 mm long	white	**WMS-2 HF 4,8 (30X9)RL**	0801016	1
	yellow	**WMS-2 HF 4,8 (30X9)RL YE**	0801017	1
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 4,8 (60X9)RL**	0801019	1
	yellow	**WMS-2 HF 4,8 (60X9)RL YE**	0801020	1
1 roll = 2500 markers, each 60 mm long	white	**WMS-2 HF 4,8 (60X9)RXL**	0810101	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMSU**	0801358	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1

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Can be marked using:



Thermal transfer for rolls



Conductor diameter from 1.2 to 50.8 mm, various colors

Notes:
The 110-WMSU, 64-WMSU, 25-WMSU or 110-WMTB HF ink ribbon is required for marking WMS-2 HF shrink sleeves, see printers, page 40.
THERMOMARK ROLL...: Use the THERMOMARK ROLL-ERH external media hub for R and RL rolls, see printers, page 40.
Use the THERMOMARK ROLL-ERH external media hub for RXL rolls.

Technical data

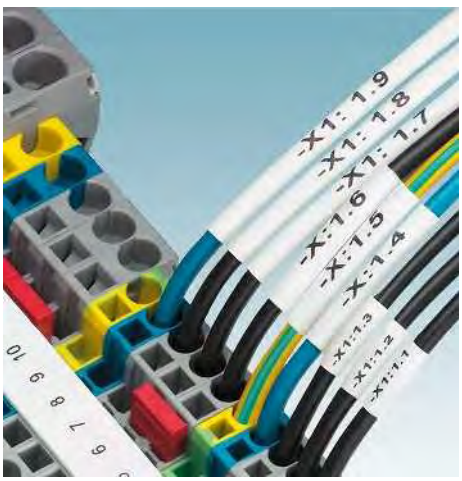
General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyolefine
Temperature range	[°C]	-30 ... 105
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink ratio		2:1

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shrink sleeve, for conductor diameter of 3.2 - 6.4 mm				
1 roll = 2000 markers, each 30 mm long	white	**WMS-2 HF 6,4 (30X10)RL**	0801022	1
	yellow	**WMS-2 HF 6,4 (30X10)RL YE**	0801023	1
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 6,4 (60X10)RL**	0801024	1
	yellow	**WMS-2 HF 6,4 (60X10)RL YE**	0801025	1
Shrink sleeve, for conductor diameter of 4.8 - 9.5 mm				
1 roll = 4000 markers, each 15 mm long	white	**WMS-2 HF 9,5 (15X16)RL**	0801003	1
1 roll = 2000 markers, each 30 mm long	white	**WMS-2 HF 9,5 (30X16)RL**	0801026	1
	yellow	**WMS-2 HF 9,5 (30X16)RL YE**	0801027	1
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 9,5 (60X16)RL**	0801028	1
	yellow	**WMS-2 HF 9,5 (60X16)RL YE**	0801029	1
Shrink sleeve, for conductor diameter of 6.4 - 12.7 mm				
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 12,7 (60X20)RL**	0833200	1
	yellow	**WMS-2 HF 12,7 (60X20)RL YE**	0833201	1
Shrink sleeve, for conductor diameter of 9.5 - 19.1 mm				
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 19,1 (60X30)RL**	0833202	1
	yellow	**WMS-2 HF 19,1 (60X30)RL YE**	0833203	1
Shrink sleeve, for conductor diameter of 12.7 - 25.4 mm				
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 25,4 (60X40)RL**	0833204	1
	yellow	**WMS-2 HF 25,4 (60X40)RL YE**	0833205	1
Shrink sleeve, for conductor diameter of 19.1 - 38.1 mm				
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 38,1 (60X60)RL**	0833206	1
	yellow	**WMS-2 HF 38,1 (60X60)RL YE**	0833207	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMSU**	0801358	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1

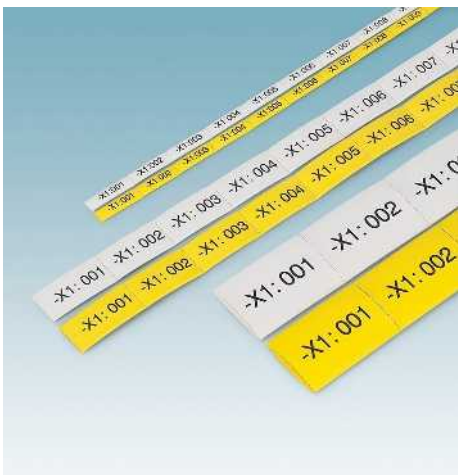


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Continuous shrink sleeves, halogen-free



- WMS-2 HF ... shrink sleeves provide permanent and captive conductor and cable marking
- The material is available in continuous format on a roll
- The material can be cut to custom length using the CUTTER unit
- The CUTTER/P perforation unit can be used to perforate the sleeve as required
- Feed the conductor through the sleeve. If required, fix the conductor by shrinking the sleeve
- The shrink sleeves also provide electrical insulation. They also provide mechanical protection
- The shrink ratio is 2:1
- The shrink sleeves can be printed on one side
- The WMS-2 HF ... product range satisfies the stringent requirements of DIN EN 45545-2 (R22/R23/R24:HL3), making it ideal for use in the railway industry



Can be marked using:



Thermal transfer for rolls

PRINTED FOR YOU



Conductor diameter from 1.2 to 50.8 mm, various colors

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK W2
Material		Polyolefine
Temperature range	[°C]	-30 ... 105
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink ratio		2:1

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shrink sleeve, for conductor diameter of 1.6 - 3.2 mm				
1 roll = 30 m continuous	white	**WMS-2 HF 3,2 (EX5)R**	0803994	1
1 roll = 120 m continuous	white	**WMS-2 HF 3,2 (EX5)RL**	0803903	1
	yellow	**WMS-2 HF 3,2 (EX5)RL YE**	0833242	1
Shrink sleeve, for conductor diameter of 2.4 - 4.8 mm				
1 roll = 30 m continuous	white	**WMS-2 HF 4,8 (EX9)R**	0803995	1
	yellow	**WMS-2 HF 4,8 (EX9)R YE**	0804520	1
	blue	**WMS-2 HF 4,8 (EX9)R BU**	0819991	1
	red	**WMS-2 HF 4,8 (EX9)R RD**	0819992	1
	green	**WMS-2 HF 4,8 (EX9)R GN**	0804496	1
	orange	**WMS-2 HF 4,8 (EX9)R OG**	0804498	1
1 roll = 120 m continuous	white	**WMS-2 HF 4,8 (EX9)RL**	0803904	1
	yellow	**WMS-2 HF 4,8 (EX9)RL YE**	0833243	1
Shrink sleeve, for conductor diameter of 3.2 - 6.4 mm				
1 roll = 25 m continuous	blue	**WMS-2 HF 6,4 (EX10)R BU**	0819993	1
	red	**WMS-2 HF 6,4 (EX10)R RD**	0819994	1
1 roll = 100 m continuous	white	**WMS-2 HF 6,4 (EX10)RL**	0803905	1
	yellow	**WMS-2 HF 6,4 (EX10)RL YE**	0833244	1
1 roll = 20 m continuous	yellow	**WMS-2 HF 9,5 (EX16)R YE**	0804535	1
	white	**WMS-2 HF 9,5 (EX16)R**	0804524	1
	blue	**WMS-2 HF 9,5 (EX16)R BU**	0804525	1
	red	**WMS-2 HF 9,5 (EX16)R RD**	0804526	1
1 roll = 80 m continuous	yellow	**WMS-2 HF 9,5 (EX16)RL YE**	0833245	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMSU**	0801358	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm	**THERMOMARK-RIBBON 64-WMSU**	0801360	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm	**THERMOMARK-RIBBON 25-WMSU**	0803390	1

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Can be marked using:



Thermal transfer for rolls

PRINTED FOR YOU



Conductor diameter from 1.2 to 50.8 mm, various colors

Notes:

THERMOMARK ROLL...:
Use the THERMOMARK ROLL-ERH external media hub for R and RL rolls, see printers, page 40.

THERMOMARK ROLLMASTER 300 and ROLLMASTER 600, THERMOMARK ROLL X1, THERMOMARK W2:
R rolls can be directly inserted in the device. Use the THERMOMARK ROLL-ERH external media hub for RL rolls, see printers, page 40.

Technical data

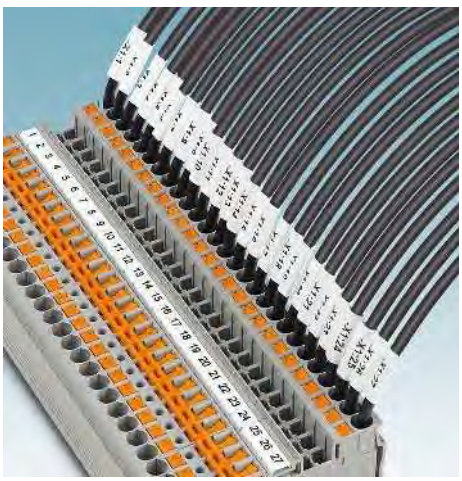
General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK W2
Material		Polyolefine
Temperature range	[°C]	-30 ... 105
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink ratio		2:1

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shrink sleeve, for conductor diameter of 6.4 - 12.7 mm				
1 roll = 20 m continuous	yellow	**WMS-2 HF 12,7 (EX20)R YE**	0804521	1
1 roll = 80 m continuous	white	**WMS-2 HF 12,7 (EX20)RL**	0864100	1
	yellow	**WMS-2 HF 12,7 (EX20)RL YE**	0833246	1
	red	**WMS-2 HF 12,7 (EX20)RL RD**	0864101	1
	blue	**WMS-2 HF 12,7 (EX20)RL BU**	0864102	1
Shrink sleeve, for conductor diameter of 9.5 - 19.1 mm				
1 roll = 20 m continuous	yellow	**WMS-2 HF 19,1 (EX30)R YE**	0804537	1
1 roll = 80 m continuous	white	**WMS-2 HF 19,1 (EX30)RL**	0864103	1
	red	**WMS-2 HF 19,1 (EX30)RL RD**	0864104	1
	blue	**WMS-2 HF 19,1 (EX30)RL BU**	0864105	1
Shrink sleeve, for conductor diameter of 12.7 - 25.4 mm				
1 roll = 80 m continuous	white	**WMS-2 HF 25,4 (EX40)RL**	0864106	1
	red	**WMS-2 HF 25,4 (EX40)RL RD**	0864107	1
	blue	**WMS-2 HF 25,4 (EX40)RL BU**	0864108	1
Shrink sleeve, for conductor diameter of 19.1 - 38.1 mm				
1 roll = 20 m continuous	yellow	**WMS-2 HF 38,1 (EX60)R YE**	0804538	1
1 roll = 80 m continuous	blue	**WMS-2 HF 38,1(EX60)RL BU**	0864111	1
1 roll = 80 m continuous	red	**WMS-2 HF 38,1(EX60)RL RD**	0864110	1
1 roll = 80 m continuous	white	**WMS-2 HF 38,1(EX60)RL**	0864109	1
Shrink sleeve, for conductor diameter of 25.4 - 50.8 mm				
1 roll = 15 m continuous	yellow	**WMS-2 HF 50,8 (EX80)R YE**	0804539	1

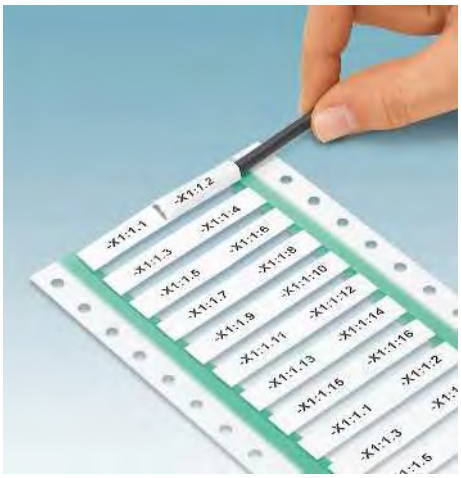
Accessories

Ink ribbon for roll printer, ink color: white, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMSU WH**	0801359	1
Ink ribbon for roll printer, ink color: white, length: 300 m, width: 64 mm	**THERMOMARK-RIBBON 64-WMSU WH**	0801361	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm	**THERMOMARK-RIBBON 64-WMSU**	0801360	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm	**THERMOMARK-RIBBON 25-WMSU**	0803390	1



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Pre-assembled shrink sleeves



- WMS ... shrink sleeves provide permanent and captive conductor and cable marking
- The sleeves are pre-assembled for optimum use of material.
- Up to four markers per sleeve are separated by perforation
- Thread the conductors to be marked through the sleeve. Then fix the sleeve to the conductor by shrinking it
- The sleeves remain flexible after shrinking
- The shrink sleeves provide the conductors with additional electrical insulation and mechanical protection
  The following standards are satisfied:
- UL 224 (125°C, 600 V, all tubing-1)
- CSA.C22.2 No. 198.1 (125°C, 600 V, all tubing-1)
- MIL-STD-202G, SAE AMS-DTL-23053, ASTM E162, E662, E1354

Can be marked using:



Thermal transfer for rolls



Conductor diameter from 0.8 to 38 mm, white and yellow

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyolefine
Temperature range	[°C]	-55 ... 135
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink ratio		3:1

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shrink sleeve, for conductor diameters 0.8 - 2.4 mm				
1 roll = 1000 markers, each 15 mm long	white	**WMS 2,4 (15X4)R**	0800379	1
	yellow	**WMS 2,4 (15X4)R YE**	0800412	1
1 roll = 500 markers, each 30 mm long	white	**WMS 2,4 (30X4)R**	0800373	1
	yellow	**WMS 2,4 (30X4)R YE**	0800407	1
1 roll = 250 markers, each 60 mm long	white	**WMS 2,4 (60X4)R**	0800363	1
	yellow	**WMS 2,4 (60X4)R YE**	0800398	1
Shrink sleeve, for conductor diameters 1.0 - 3.2 mm				
1 roll = 1000 markers, each 15 mm long	white	**WMS 3,2 (15X5)R**	0800380	1
	yellow	**WMS 3,2 (15X5)R YE**	0800413	1
1 roll = 500 markers, each 30 mm long	white	**WMS 3,2 (30X5)R**	0800374	1
	yellow	**WMS 3,2 (30X5)R YE**	0800408	1
1 roll = 250 markers, each 60 mm long	white	**WMS 3,2 (60X5)R**	0800364	1
	yellow	**WMS 3,2 (60X5)R YE**	0800399	1
Shrink sleeve, for conductor diameters 1.6 - 4.8 mm				
1 roll = 1000 markers, each 15 mm long	white	**WMS 4,8 (15X9)R**	0800382	1
	yellow	**WMS 4,8 (15X9)R YE**	0800414	1
1 roll = 500 markers, each 30 mm long	white	**WMS 4,8 (30X9)R**	0800375	1
	yellow	**WMS 4,8 (30X9)R YE**	0800409	1
1 roll = 250 markers, each 60 mm long	white	**WMS 4,8 (60X9)R**	0800366	1
	yellow	**WMS 4,8 (60X9)R YE**	0800400	1
Shrink sleeve, for conductor diameters 2.1 - 6.4 mm				
1 roll = 1000 markers, each 15 mm long	white	**WMS 6,4 (15X10)R**	0801593	1
1 roll = 500 markers, each 30 mm long	white	**WMS 6,4 (30X10)R**	0800376	1
	yellow	**WMS 6,4 (30X10)R YE**	0800410	1
1 roll = 250 markers, each 60 mm long	white	**WMS 6,4 (60X10)R**	0800367	1
	yellow	**WMS 6,4 (60X10)R YE**	0800401	1
Shrink sleeve, for conductor diameters 3.2 - 9.5 mm				
1 roll = 500 markers, each 30 mm long	white	**WMS 9,5 (30X16)R**	0800377	1
	yellow	**WMS 9,5 (30X16)R YE**	0800411	1
1 roll = 250 markers, each 60 mm long	white	**WMS 9,5 (60X16)R**	0800368	1
	yellow	**WMS 9,5 (60X16)R YE**	0800402	1
Shrink sleeve, for conductor diameters 4.2 - 12.7 mm				
1 roll = 500 markers, each 30 mm long	white	**WMS 12,7 (30X20)R**	0804266	1
1 roll = 250 markers, each 60 mm long	white	**WMS 12,7 (60X20)R**	0800369	1
	yellow	**WMS 12,7 (60X20)R YE**	0800403	1
Shrink sleeve, for conductor diameters 6.4 - 19.1 mm				
1 roll = 250 markers, each 60 mm long	white	**WMS 19,1 (60X30)R**	0800370	1
	yellow	**WMS 19,1 (60X30)R YE**	0800404	1
Shrink sleeve, for conductor diameters 8.5 - 25.4 mm				
1 roll = 250 markers, each 60 mm long	white	**WMS 25,4 (60X40)R**	0800371	1
	yellow	**WMS 25,4 (60X40)R YE**	0800405	1

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Pre-assembled shrink sleeves

Notes:

The 110-WMSU, 64-WMSU, 25-WMSU or 64-WMSE ink ribbon is required for marking WMS ... shrink sleeves, see printers, page 40.

THERMOMARK ROLL...:
The R roll shrink sleeves are fed into the printer directly from the packaging.

THERMOMARK ROLLMASTER 300 and ROLLMASTER 600, and THERMOMARK ROLL X1:
The R roll shrink sleeves are fed into the printer directly from the packaging. R and RXL rolls can be directly inserted in the device.



Conductor diameter from 0.8 to 19 mm, white and yellow, on large roll



Conductor diameter from 0.8 to 6.4 mm, white and yellow, on extra large roll

Technical data

General data			
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL	THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyolefine	Polyolefine
Temperature range	[°C]	-55 ... 135	-55 ... 135
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free	Halogen-free
Shrink ratio		3:1	3:1

Ordering data

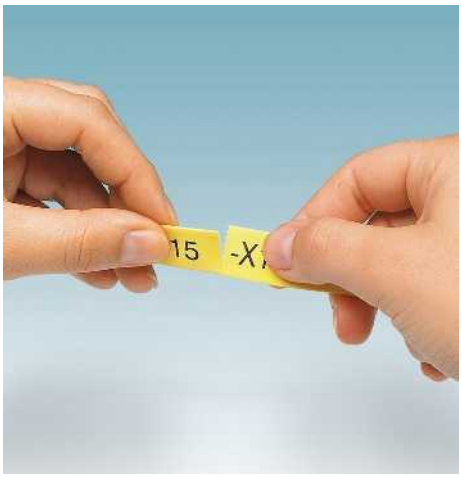
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Shrink sleeve, for conductor diameters 0.8 - 2.4 mm							
1 roll = 4000 markers, each 15 mm long	white	**WMS 2,4 (15X4)RL**	0800389	1			
1 roll = 10,000 markers, each 15 mm long	white				**WMS 2,4 (15X4)RXL**	0800396	1
1 roll = 2000 markers, each 30 mm long	white	**WMS 2,4 (30X4)RL**	0800386	1			
1 roll = 5000 markers, each 30 mm long	white				**WMS 2,4 (30X4)RXL**	0800394	1
1 roll = 1000 markers, each 60 mm long	white	**WMS 2,4 (60X4)RL**	0800383	1			
1 roll = 2500 markers, each 60 mm long	white				**WMS 2,4 (60X4)RXL**	0800392	1
Shrink sleeve, for conductor diameters 1.0 - 3.2 mm							
1 roll = 4000 markers, each 15 mm long	white	**WMS 3,2 (15X5)RL**	0800390	1			
1 roll = 2000 markers, each 30 mm long	white	**WMS 3,2 (30X5)RL**	0800387	1			
1 roll = 5000 markers, each 30 mm long	white				**WMS 3,2 (30X5)RXL**	0804268	1
	yellow				**WMS 3,2 (30X5)RXL YE**	1019184	1
1 roll = 1000 markers, each 60 mm long	white	**WMS 3,2 (60X5)RL**	0800384	1			
1 roll = 2500 markers, each 60 mm long	yellow				**WMS 3,2 (60X5)RXL YE**	0803102	1
Shrink sleeve, for conductor diameters 1.6 - 4.8 mm							
1 roll = 4000 markers, each 15 mm long	white	**WMS 4,8 (15X9)RL**	0800391	1			
1 roll = 10,000 markers, each 15 mm long	white				**WMS 4,8 (15X9)RXL**	0800397	1
1 roll = 2000 markers, each 30 mm long	white	**WMS 4,8 (30X9)RL**	0800388	1			
1 roll = 5000 markers, each 30 mm long	white				**WMS 4,8 (30X9)RXL**	0800395	1
1 roll = 5000 markers, each 30 mm long	yellow				**WMS 4,8 (30X9)RXL YE**	0803313	1
1 roll = 1000 markers, each 60 mm long	white	**WMS 4,8 (60X9)RL**	0800385	1			
1 roll = 2500 markers, each 60 mm long	white				**WMS 4,8 (60X9)RXL**	0800393	1
1 roll = 2500 markers, each 60 mm long	yellow				**WMS 4,8 (60X9)RXL YE**	0803103	1
Shrink sleeve, for conductor diameters 2.1 - 6.4 mm							
1 roll = 4000 markers, each 15 mm long	white	**WMS 6,4 (15X10)RL**	0801594	1			
1 roll = 2500 markers, each 15 mm long	white				**WMS 6,4 (15X10)RXL**	0801595	1
	white				**WMS 6,4 (30X10)RXL**	1067778	1
1 roll = 2500 markers, each 60 mm long	yellow				**WMS 6,4 (60X10)RXL YE**	0803104	1
Shrink sleeve, for conductor diameters 3.2 - 9.5 mm							
1 roll = 2000 markers, each 30 mm long	white	**WMS 9,5 (30X16)RL**	0804267	1			
1 roll = 1000 markers, each 60 mm long	white	**WMS 9,5 (60X16)RL**	0803105	1			
1 roll = 1000 markers, each 60 mm long	yellow	**WMS 9,5 (60X16)RL YE**	0803106	1			
Shrink sleeve, for conductor diameters 4.2 - 12.7 mm							
1 roll = 1000 markers, each 60 mm long	yellow	**WMS 12,7 (60X20)RL YE**	0803107	1			
Shrink sleeve, for conductor diameters 6.4 - 19.1 mm							
1 roll = 1000 markers, each 60 mm long	yellow	**WMS 19,1 (60X30)RL YE**	0803108	1			

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm							
		THERMOMARK-RIBBON 110-WMSU	0801358	1	**THERMOMARK-RIBBON 110-WMSU**	0801358	1

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Continuous shrink sleeves



– Equip your printer with the CUTTER/P perforation unit, to automatically perforate shrink sleeves to the desired length
– Thanks to the CUTTER cutting unit, the shrink sleeves in continuous format can be individually cut
– The THERMOMARK W2 continuously prints shrink sleeves in rolls on both sides
– Individual markers are cut to any length
The following standards are satisfied:
– UL 224 (125°C, 600 V, all tubing-1)
– CSA.C22.2 No. 198.1 (125°C, 600 V, all tubing-1)
– MIL-STD-202G, SAE AMS-DTL-23053, ASTM E162, E662, E1354

Notes:

For marking WMS ... shrink sleeves, the ink ribbon 110-WMSU, 64-WMSU, 25-WMSU, 64-WMSE, 110-WMSU WH or 64-WMSU WH is required, see printers, page 40.

THERMOMARK ROLL...:
Use the THERMOMARK ROLL-ERH external media hub for R and RL rolls, see printers, page 40.

THERMOMARK ROLLMASTER 300 and ROLLMASTER 600, THERMOMARK ROLL X1, THERMOMARK W2:
R rolls can be directly inserted in the device. Use the THERMOMARK ROLL-ERH external media hub for RL rolls, see printers, page 40.

Can be marked using:

Thermal transfer for rolls

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Conductor diameter from 0.8 to 50.8 mm, white

Technical data

General data	
Can be marked with	THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK W2
Material	Polyolefine
Temperature range [°C]	-55 ... 135
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Halogen-free
Shrink ratio	3:1

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Shrink sleeve			
1 roll = 30 m, conductor diameter: 0.8 - 2.4 mm	**WMS 2,4 (EX4)R**	0800289	1
1 roll = 30 m, conductor diameter: 1.0 - 3.2 mm	**WMS 3,2 (EX5)R**	0800290	1
1 roll = 30 m, conductor diameter: 1.6 - 4.8 mm	**WMS 4,8 (EX9)R**	0800291	1
1 roll = 25 m, conductor diameter: 2.1 - 6.4 mm	**WMS 6,4 (EX10)R**	0800292	1
1 roll = 20 m, conductor diameter: 3.2 - 9.5 mm	**WMS 9,5 (EX16)R**	0800293	1
1 roll = 20 m, conductor diameter: 4.2 - 12.7 mm	**WMS 12,7 (EX20)R**	0800294	1
1 roll = 20 m, conductor diameter: 6.4 - 19.1 mm	**WMS 19,1 (EX30)R**	0800295	1
1 roll = 15 m, conductor diameter: 8.5 - 25.4 mm	**WMS 25,4 (EX40)R**	0800296	1
1 roll = 15 m, conductor diameter: 12.7 - 38.1 mm	**WMS 38,1 (EX60)R**	0800298	1
1 roll = 15 m, conductor diameter: 16.9 - 50.8 mm	**WMS 50,8 (EX80)R**	0800299	1
Shrink sleeve, large roll			
1 roll = 120 m, conductor diameter: 0.8 - 2.4 mm	**WMS 2,4 (EX4)RL**	0800319	1
1 roll = 120 m, conductor diameter: 1.0 - 3.2 mm	**WMS 3,2 (EX5)RL**	0800320	1
1 roll = 120 m, conductor diameter: 1.6 - 4.8 mm	**WMS 4,8 (EX9)RL**	0800321	1
1 roll = 100 m, conductor diameter: 2.1 - 6.4 mm	**WMS 6,4 (EX10)RL**	0800322	1
1 roll = 80 m, conductor diameter: 3.2 - 9.5 mm	**WMS 9,5 (EX16)RL**	0800324	1
1 roll = 80 m, conductor diameter: 4.2 - 12.7 mm	**WMS 12,7 (EX20)RL**	0800325	1
1 roll = 80 m, conductor diameter: 6.4 - 19.1 mm	**WMS 19,1 (EX30)RL**	0800326	1
1 roll = 60 m, conductor diameter: 8.5 - 25.4 mm	**WMS 25,4 (EX40)RL**	0800327	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMSU**	0801358	1
	THERMOMARK-RIBBON 64-WMSU	0801360	1
	THERMOMARK-RIBBON 64-WMSE	5145724	1
	THERMOMARK-RIBBON 25-WMSU	0803390	1
Ink ribbon for roll printer, ink color: white, length: 300 m, width: 110 mm			

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Conductor diameter from 0.8 to 50.8 mm, yellow



Conductor diameter from 0.8 to 50.8 mm, black

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK W2
Polyolefine
-55 ... 135
DIN EN 61010-1 (VDE 0411-1)
Halogen-free
3:1

Ordering data

Type	Order No.	Pcs./Pkt.
WMS 2,4 (EX4)R YE	0800300	1
WMS 3,2 (EX5)R YE	0800301	1
WMS 4,8 (EX9)R YE	0800302	1
WMS 6,4 (EX10)R YE	0800303	1
WMS 9,5 (EX16)R YE	0800304	1
WMS 12,7 (EX20)R YE	0800305	1
WMS 19,1 (EX30)R YE	0800306	1
WMS 25,4 (EX40)R YE	0800308	1
WMS 38,1 (EX60)R YE	0800309	1
WMS 50,8 (EX80)R YE	0800311	1
WMS 2,4 (EX4)RL YE	0800328	1
WMS 3,2 (EX5)RL YE	0800329	1
WMS 4,8 (EX9)RL YE	0800330	1
WMS 6,4 (EX10)RL YE	0800331	1
WMS 9,5 (EX16)RL YE	0800332	1
WMS 12,7 (EX20)RL YE	0800333	1
WMS 19,1 (EX30)RL YE	0800334	1
WMS 25,4 (EX40)RL YE	0800335	1

Accessories

THERMOMARK-RIBBON 110-WMSU	0801358	1
THERMOMARK-RIBBON 64-WMSU	0801360	1
THERMOMARK-RIBBON 64-WMSE	5145724	1
THERMOMARK-RIBBON 25-WMSU	0803390	1

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK W2
Polyolefine
-55 ... 135
DIN EN 61010-1 (VDE 0411-1)
Halogen-free
3:1

Ordering data

Type	Order No.	Pcs./Pkt.
WMS 2,4 (EX4)R BK	0800415	1
WMS 3,2 (EX5)R BK	0800416	1
WMS 4,8 (EX9)R BK	0800418	1
WMS 6,4 (EX10)R BK	0800419	1
WMS 9,5 (EX16)R BK	0800421	1
WMS 12,7 (EX20)R BK	0800422	1
WMS 19,1 (EX30)R BK	0800423	1
WMS 25,4 (EX40)R BK	0800424	1
WMS 38,1 (EX60)R BK	0800425	1
WMS 50,8 (EX80)R BK	0800426	1
WMS 2,4 (EX4)RL BK	0800427	1
WMS 3,2 (EX5)RL BK	0800428	1
WMS 4,8 (EX9)RL BK	0800429	1
WMS 6,4 (EX10)RL BK	0800430	1
WMS 9,5 (EX16)RL BK	0800431	1
WMS 12,7 (EX20)RL BK	0800432	1
WMS 19,1 (EX30)RL BK	0800434	1
WMS 25,4 (EX40)RL BK	0800435	1

Accessories

THERMOMARK-RIBBON 110-WMSU WH	0801359	1
THERMOMARK-RIBBON 64-WMSU WH	0801361	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Marking sleeves



The WMS-OT HF ... marking sleeves are used to mark conductors and cables

- The large opening in the material means that the cable can be fed quickly and easily through the sleeve
- The marking sleeves are not shrinkable
- The material is available in continuous format on a roll
- The material can be cut to custom length using the CUTTER unit
- The CUTTER/P perforation unit can be used to perforate the sleeve as required
- The marking sleeves can be printed on both sides
- The WMS-OT HF ... product range satisfies the stringent requirements of DIN EN 45545-2 (R22/R23/R24:HL3), making it ideal for use in the railway industry

Notes:

THERMOMARK ROLL..., THERMOMARK ROLL X1, THERMOMARKROLLMASTER 300, THERMOMARK ROLLMASTER 600,THERMOMARK X1.2, THERMOMARK W2
Use the THERMOMARK ROLL-ERH external media hub for R and RL rolls, see printers, page 40.

Can be marked using:



Thermal transfer for rolls

new



Conductor diameter from 1.2 to 4.8 mm, white and yellow

Technical data

General data	
Can be marked with	THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK W2
Material	Polyolefine
Temperature range [°C]	-30 ... 125
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marking sleeve, for conductor diameter from 0.8 to 3.2 mm				
1 roll = 30 m	white	**WMS-OT HF 3,2 (EX5)R**	1044236	1
1 roll = 30 m	yellow	**WMS-OT HF 3,2 (EX5)R YE**	1044239	1
1 roll = 120 m	white	**WMS-OT HF 3,2 (EX5)RL**	1044253	1
1 roll = 120 m	yellow	**WMS-OT HF 3,2 (EX5)RL YE**	1044254	1
Marking sleeve, for conductor diameter from 1.6 to 4.8 mm				
1 roll = 30 m	white	**WMS-OT HF 4,8 (EX9)R**	1044243	1
1 roll = 30 m	yellow	**WMS-OT HF 4,8 (EX9)R YE**	1044245	1
1 roll = 120 m	white	**WMS-OT HF 4,8 (EX9)RL**	1044256	1
1 roll = 120 m	yellow	**WMS-OT HF 4,8 (EX9)RL YE**	1044259	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm			
		TM-RIBBON 25 BK 102	1053499	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Insertable wire marking for marking collars



- EMT ... insert labels for marking various marking collars
- Thanks to their special contour, EMT ... insert labels remain securely inside the collar once inserted
- Quick and cost-effective marking with THERMOMARK ... roll printers from Phoenix Contact
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark many conductor markers according to your requirements
- **Designation example:**
  EMT (10x4)R
  Lettering field width: 10 mm
  Lettering field height: 4 mm
  Type of packaging: roll

Notes:
PATG/PATO ... system, see page 248.
KMK ..., see page 236.
LM ..., see page 237.
The WMT (15x4)RL can only be printed using the THERMOMARK ROLLMASTER 300/600. In addition, the tear-off edge must be unscrewed from the printer.

Can be marked using:



Thermal transfer for rolls



Insert labels for marker carriers

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Insert strips, can be marked with thermal transfer printer				
1 roll = 7500 markers	white	**EMT (10X4)R**	0816235	1
1 roll = 7500 markers	white	**EMT (15X4)R**	0817329	1
	red	**EMT (15X4)R RD**	0816249	1
	yellow	**EMT (15X4)R YE**	0817358	1
	blue	**EMT (15X4)R BU**	0817332	1
1 roll = 5000 markers	white	**EMT (23X4)R**	0817361	1
	yellow	**EMT (23X4)R YE**	0817374	1
1 roll = 5000 markers	white	**EMT (24X4)R**	0816265	1
1 roll = 5000 markers	white	**EMT (25X6)R**	0817264	1
1 roll = 5400 markers	white	**EMT (29X8)R**	0817277	1
	yellow	**EMT (29X8)R YE**	0817280	1
	turquoise	**EMT (31X12,5)R TQ**	1073887	1
1 roll = 2300 markers	white	**EMT (40X17)R**	0817293	1
	gray	**EMT (50X18,8)R GY**	1003223	1
1 roll = 500 insert strips	white	**EMT (50X18,8)R**	1003224	1
1 roll = 2500 markers	white	**EMT (60X15)R**	0801846	1
1 roll = 10,000 markers		**WMT (15X4)RL**	1080099	1
Insert strips, for PATG/PATO, perforated, DIN A4 sheet, lettering field size: 15 x 4 mm, 1 sheet = 360 labels, for office laser printers				
	white	**PABL 15X4**	0808260	10

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm		
	THERMOMARK-RIBBON 110-WMTB HF	5148007	1



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Thread-on wire marking

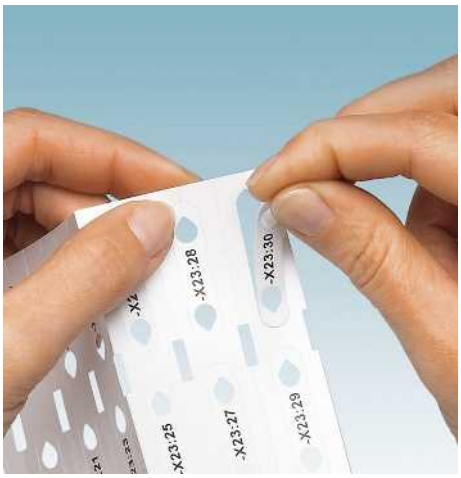
Can be marked using:



Thermal transfer for rolls



Markers for conductor diameters from 1.0 to 8.4 mm



- The conductor is threaded through the two punch-outs on the marker. In this way, the marker is aligned on the conductor
- The special hole geometry ensures a strong axial hold
- Quick and cost-effective marking with THERMOMARK ... roll printers from Phoenix Contact
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark many conductor markers according to your requirements
- **Designation example:**
  WMT 2,4 (15 x 4)R
  Conductor diameter: up to 2.4 mm
  Lettering field width: 15 mm
  Lettering field height: 4 mm
  Type of packaging: roll

Technical data

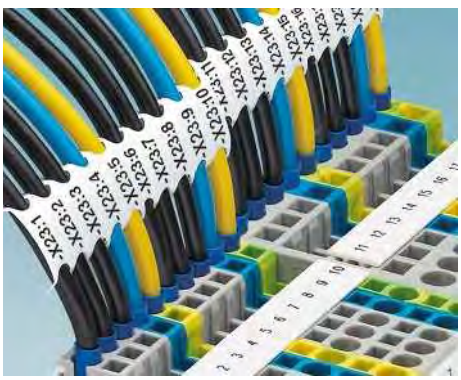
General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Thread-on conductor markers, can be marked with thermal transfer printer				
1 roll = 4000 markers, conductor diameter: 1.0 ... 2.4 mm	white	**WMT 2,4 (15X4)R**	0816281	1
1 roll = 4000 markers, conductor diameter: 2.0 ... 3.5 mm	white	**WMT 3,5 (15X5)R**	0817222	1
1 roll = 4000 markers, conductor diameter: 3.0 ... 4.2 mm	white	**WMT 4,2 (15X6)R**	0817235	1
1 roll = 4000 markers, conductor diameter: 4.0 ... 5.5 mm	white	**WMT 5,5 (15X8)R**	0817248	1
1 roll = 4000 markers, conductor diameter: 5.0 ... 8.4 mm	white	**WMT 8,4 (17X10)R**	0817251	1

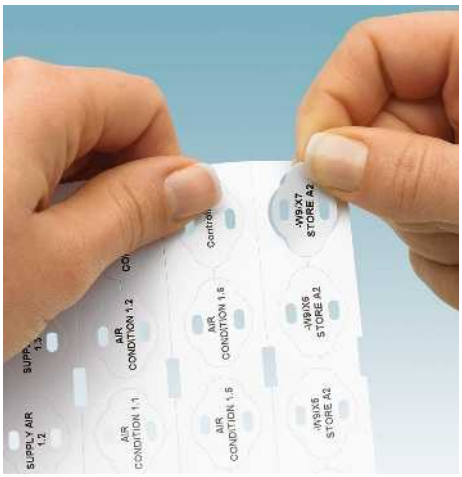
Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1



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Wire marking for cable tie assembly



- Wire marking, for marking and bundling conductors indoors
- The WT ... cable ties are attached to both fastening lugs on the marker
- Quick and cost-effective marking with THERMOMARK ... roll printers from Phoenix Contact
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark many conductor markers according to your requirements
- **Designation example:**
  WMTB (24x8) R
  Lettering field width: 24 mm
  Lettering field height: 8 mm
  Type of packaging: roll

Notes:
For corresponding cable ties, see from page 614.

Can be marked using:



Thermal transfer for rolls



Markers for conductor diameters of 6 mm and above

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable markers for assembly with cable ties, max. cable tie width: 5 mm, can be marked with thermal transfer printer				
1 roll = 4000 markers	white	**WMTB (24X8)R**	0816278	1
1 roll = 1700 markers	white	**WMTB (35X15)R**	0817316	1

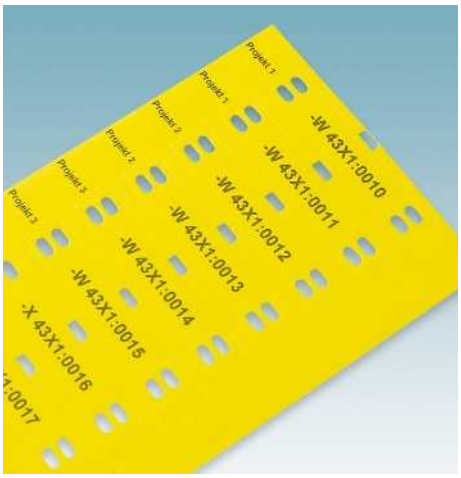
Accessories

Description	Type	Order No.	Pcs./Pkt.
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

Wire marking for cable tie assembly



The halogen-free wire and cable marking is used for marking and bundling conductors and cables indoors and outdoors

- Made from high-quality thermoplastic polyether urethane
- Highly flexible material, adapts to the bending of the conductors or cables
- The carrier material is ideal for printing additional markings, e.g., project information. This makes it easier to assign the markers during mounting
- Very high tensile strength
- Flame-retardant material
- The marker is attached to the conductor with cable ties. There are two fastening lugs for this
- Marking service: Phoenix Contact can custom-mark many conductor markers according to your requirements
- **Designation example:**
  WMTB HF (40x12)R
  HF: halogen-free material
  Lettering field width: 40 mm
  Lettering field height: 12 mm
  Type of packaging: roll

Notes:

For corresponding cable ties, see from page 614.

Can be marked using:

Thermal transfer for rolls

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Markers for conductor diameters of 6 mm and above

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		PUR
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-25 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable markers for assembly with cable ties, max. cable tie width: 5 mm, can be marked with thermal transfer printer				
1 roll = 1000 markers	white	**WMTB HF (40X12)R**	0830407	1
	yellow	**WMTB HF (40X12)R YE**	0830408	1
	red	**WMTB HF (40X12)R RD**	0803314	1
	dark blue	**WMTB HF (40X12)R DBU**	0802991	1
	blue	**WMTB HF (40X12)R BU**	0804977	1
	green	**WMTB HF (40X12)R GN**	0804978	1
1 roll = 1000 markers	white	**WMTB HF (55X15)R**	0830409	1
	yellow	**WMTB HF (55X15)R YE**	0830410	1
	red	**WMTB HF (55X15)R RD**	0803315	1
	dark blue	**WMTB HF (55X15)R DBU**	0802992	1
	blue	**WMTB HF (55X15)R BU**	0804979	1
	green	**WMTB HF (55X15)R GN**	0804980	1
1 roll = 500 markers	white	**WMTB HF (55X25)R**	0830411	1
	yellow	**WMTB HF (55X25)R YE**	0830412	1
	red	**WMTB HF (55X25)R RD**	0803316	1
	dark blue	**WMTB HF (55X25)R DBU**	0802993	1
	blue	**WMTB HF (55X25)R BU**	0804981	1
	green	**WMTB HF (55X25)R GN**	0804982	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1
Ink ribbon for roll printer, ink color: white, length: 300 m, width: 110 mm	**TM-RIBBON 110-WMTB HF WH**	0802990	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Conductor marker carriers for assembly with cable ties, for labels with laminated protective film



- The WM-CARRIER /B ... conductor marker carriers consist of a marking field for labels and a transparent, self-adhesive laminated protective film
- The protective film provides permanent protection against contamination and abrasion
- The thermal transfer printer creates a high-quality print image
- Quick and easy handling
- The marker is attached to the conductor with cable ties. There are two fastening lugs for this
- Resistant to solvents
- Marking service: Phoenix Contact can custom-mark many cable marker labels according to your requirements

Notes:

For corresponding cable ties, see from page 614.



Markers for conductor diameters of 6 mm and above

Technical data

General data	
Material	PVC/polyester
Temperature range [°C]	-10 ... 60
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Conductor marker carriers, maximum cable tie width: 5 mm				
Lettering field size: 48 x 10 mm	transparent	**WM-CARRIER/B (48X10)LPR**	0830423	100
Lettering field size: 55 x 15 mm	transparent	**WM-CARRIER/B (55X15)LPR**	0830424	100
Lettering field size: 85 x 15 mm	transparent	**WM-CARRIER/B (85X15)LPR**	0830425	100

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm		**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm		**THERMOMARK-RIBBON 110/50**	0800687	1
Labels, can be marked with a thermal transfer printer				
1 roll = 2500 labels	white	**EML (40X6)R**	0830481	1
1 roll = 2500 labels	yellow	**EML (40X6)R YE**	0830482	1
1 roll = 2500 labels	white	**EML (50X10)R**	0830483	1
1 roll = 2500 labels	yellow	**EML (50X10)R YE**	0830484	1
1 roll = 2500 labels	white	**EML (75X10)R**	0830485	1
1 roll = 2500 labels	yellow	**EML (75X10)R YE**	0830486	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenseng.com - www.stevenengineering.com

Plastic cable markers for insert labels, for assembly with cable ties

Notes:

For corresponding cable ties, see from page 614.





Lettering field size 25 x 6 mm, for cable diameter > 6 mm

- The KMK ... versions have eyelets and are attached with cable ties
- Plastic cable markers mark and bundle conductors and cables indoors
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark many insert labels for plastic cable markers according to your requirements
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- **Designation example:**
  ESL (25x6)
  Lettering field width: 25 mm
  Lettering field height: 6 mm
  Type of packaging: sheet

Technical data

General data		
Material		Polyethylene
Temperature range	[°C]	-40 ... 80
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker carrier for cable tie assembly				
Lettering field size: 25 x 6 mm	transparent	**KMK 1**	0830745	100
Lettering field size: 29 x 8 mm	transparent			
	transparent			
Lettering field size: 40 x 17 mm	transparent			
Lettering field size: 60 x 15 mm	transparent			

Accessories

Insert labels, DIN A4, can be marked with laser printer 1 sheet = 252 labels 1 sheet = 174 labels 1 sheet = 56 labels	**ESL (25X6)**	0801849	10
Roll, insert labels, can be marked with THERMOMARK ROLL, THERMOMARK ROLLMASTER 300, THERMOMARK ROLLMASTER 600 1 roll = 5000 markers 1 roll = 5400 markers 1 roll = 2300 markers 1 roll = 2500 markers	**EMT (25X6)R**	0817264	1
UniSheet, insert labels, can be marked with THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK ID, and BLUEMARK ID COLOR 1 UniSheet = 84 labels 1 UniSheet = 48 labels 1 UniSheet = 16 labels 1 UniSheet = 9 labels	**US-EMP (25X6)-1**	0802754	10
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1



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Lettering field size 29 x 8 mm, for cable diameter > 6 mm



Lettering field size 40 x 17 mm, for cable diameter > 9 mm



Lettering field size 60 x 15 mm, for cable diameter > 9 mm

Technical data

Polyethylene
-40 ... 80
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KMK 2	1005266	100
KMK 2-1000	0815004	1000

Accessories

ESL 29X8	0808257	10
EMT (29X8)R	0817277	1
US-EMP (29X8)	0829436	10
TMP-US-MAG1	0803341	1
BM ID-ADAPTER PLATE-US	1044355	1

Technical data

Polyethylene
-40 ... 80
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KMK 4	1005305	50

Accessories

ESL 40X17	0808095	10
EMT (40X17)R	0817293	1
US-EMP (40X17)	0829437	10
TMP-US-MAG1	0803341	1
BM ID-ADAPTER PLATE-US	1044355	1

Technical data

Polyethylene
-40 ... 80
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KMK 5	0830746	50

Accessories

EMT (60X15)R	0801846	1
US-EMP (60X15)	0828781	10
TMP-US-MAG1	0803341	1
BM ID-ADAPTER PLATE-US	1044355	1

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Plastic cable markers for insert labels, for assembly with cable ties



- Plastic cable markers mark and bundle conductors and cables indoors
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark many insert labels for plastic cable markers according to your requirements
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- **Designation example:**
  ESL(29x8)
  Lettering field width: 29 mm
  Lettering field height: 8 mm
  Type of packaging: sheet



Notes:

For corresponding cable ties, see from page 614.

The print image may vary depending on the laser printer.



For insert labels with lettering field size 29 x 8 mm, for cable diameters > 10 mm

Technical data

General data	
Material	Polyethylene
Temperature range [°C]	-40 ... 80
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plastic cable markers for insert labels, with cable ties with a pointed end, can be marked with ESL..., EMT... or US-EMP... insert labels, diameter: 10 ... 25 mm, lettering field size: 29 x 8 mm	transparent	**KMK**	1005208	100
Plastic cable markers for insert labels, with cable ties with a pointed end, can be marked with ESL..., EMT... or US-EMP... insert labels, diameter: 16 ... 35 mm, lettering field size: 40 x 17 mm	transparent			
Cable and conductor markers for insert labels, can be marked with EST or ESL, diameter of 1 - 12 mm, lettering field size: 24 x 4 mm	white			
Cable and conductor markers for labels, can be marked with EML or EMLC, diameter of 1 - 20 mm, lettering field size: 20 x 8 mm	white			

Accessories

Insert strips for laser printers, DIN A4, perforated 1 sheet = 174 labels 1 sheet = 56 labels 1 sheet = 488 labels	**ESL 29X8**	0808257	10
Roll, insert labels, can be marked with thermal transfer printer 1 roll = 5400 markers 1 roll = 2300 markers 1 roll = 5000 markers	**EMT (29X8)R**	0817277	1
UniSheet, insert labels, can be marked with THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK ID, and BLUEMARK ID COLOR 1 UniSheet = 48 labels 1 UniSheet = 16 labels	**US-EMP (29X8)**	0829436	10
Textile label 1 roll = 2500 labels 1 roll = 2500 labels			
UniSheet, self-adhesive labels for thermal transfer printers 1 UniSheet = 64 labels, lettering field size: 20 x 8 mm			
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

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Insert label, with lettering field size 40 x 17 mm, for cable diameters > 16 mm



For insert labels with lettering field size 24 x 4 mm, for cable diameters > 1 mm



For adhesive labels, with lettering field size 20 x 8 mm, for cable diameters > 1 mm

Technical data

Polyethylene
-40 ... 80
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KMK 3	1005211	50

Accessories

ESL 40X17	0808095	10
EMT (40X17)R	0817293	1
US-EMP (40X17)	0829437	10
TMP-US-MAG1	0803341	1
BM ID-ADAPTER PLATE-US	1044355	1

Technical data

PA
-40 ... 100
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
LM	1004377	100

Accessories

ESL 24X4	0808231	10
EMT (24X4)R	0816265	1

Technical data

PA
-40 ... 100
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KME	0807083	50

Accessories

EMLC (20X8)R	0815680	1
EML (20X8)R	0816786	1
US-EML (20X8)	0800458	10
TMP-US-MAG1	0803341	1
BM ID-ADAPTER PLATE-US	1044355	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Plastic cable markers for insert labels, for assembly with cable ties

Notes:

For matching cable ties, see page 588 onwards or the product area on our website at phoenixcontact.net/products.





Lettering field size: 25 x 6 mm, for cable diameter > 6 mm

- KMK HP ... plastic cable markers mark and bundle conductors and cables indoors
- Flammability rating V0 in accordance with UL 94
- The KMK HP ... cable markers are particularly suitable for use in the railway industry, transportation technology, and building technology, thanks to their outstanding material properties
- The KMK ... versions have eyelets and are attached with cable ties
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark many insert labels for plastic cable markers according to your requirements
- The UCT sheets can also be used with the THERMOMARK CARD-UCT-MAG26 magazine in THERMOMARK CARD ...
- **Designation example:**
  UCT-EMP (25x6)
  Lettering field width: 25 mm
  Lettering field height: 6 mm
  Type of packaging: sheet

Technical data

General data	
Material	PC (polycarbonate)
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 125
Components	Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker carrier for cable tie assembly	transparent	**KMK HP (25X6)**	0830720	100

Accessories

UniCard, insert strip for KMK... cable marker carriers, can be marked with THERMOMARK CARD, BLUEMARK, and TOPMARK 1 sheet = 15 labels 1 sheet = 15 labels 1 sheet = 3 labels 1 sheet = 3 labels	**UCT-EMP (25X6)**	1014117	10
Roll, insert labels, can be marked with THERMOMARK ROLL, THERMOMARK ROLLMASTER 300, THERMOMARK ROLLMASTER 600 1 roll = 5000 markers 1 roll = 5400 markers 1 roll = 2500 markers 1 roll = 2300 markers	**EMT (25X6)R**	0817264	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EMP ...	**TMP-UCT-MAG26**	0803370	1



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Lettering field size: 29 x 8 mm, for cable diameter > 6 mm



Lettering field size: 60 x 15 mm, for cable diameter > 9 mm



Lettering field size: 40 x 17 mm, for cable diameter > 9 mm

Technical data

PC (polycarbonate)
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (29X8)	0830721	100

Accessories

UCT-EMP (29X8)	1014118	10
EMT (29X8)R	0817277	1
TMP-UCT-MAG26	0803370	1

Technical data

PC (polycarbonate)
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (60X15)	0830722	50

Accessories

UCT-EMP (60X15)	1014119	10
EMT (60X15)R	0801846	1
TMP-UCT-MAG26	0803370	1

Technical data

PC (polycarbonate)
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (40X17)	0830723	50

Accessories

UCT-EMP (40X17)	1014120	10
EMT (40X17)R	0817293	1
TMP-UCT-MAG26	0803370	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Plastic cable markers for insert labels, for assembly with cable ties



- KMK UV ... plastic cable markers mark and bundle conductors and cables outdoors
- The KMK UV... cable markers are transparent, impact resistant, and have excellent weathering resistance. At the same time, they also possess outstanding chemical resistance
- The KMK... versions have eyelets and are attached with cable ties
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark many insert labels for plastic cable markers according to your requirements
- The UCT sheets can also be used with the THERMOMARK CARD-UCT-MAG26 magazine in THERMOMARK CARD ...
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- **Designation example:**
  UCT-EMP (25x6)
  Lettering field width: 25 mm
  Lettering field height: 6 mm
  Type of packaging: roll



Notes:

For matching cable ties, see page 588 onwards or the product area on our website at phoenixcontact.net/products.

[1]) WT-UV HF...BK cable ties are weatherproof and UV resistant in accordance with ISO 4892 (after QUV-B 600 hours) for up to 10 years.



Lettering field size: 25 x 6 mm, for cable diameter > 6 mm

Technical data

General data		
Material		PA
Flammability rating in accordance with UL 94		HB
Temperature range	[°C]	-40 ... 100
Components		Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker carrier for cable tie assembly	transparent	**KMK UV (25X6)**	1014106	100

Accessories

UniCard, insert strip for KMK... cable marker carriers, can be marked with THERMOMARK CARD, BLUEMARK, and TOPMARK 1 sheet = 15 labels 1 sheet = 15 labels 1 sheet = 3 labels 1 sheet = 3 labels	**UCT-EMP (25X6)**	1014117	10
UniSheet, insert labels, can be marked with THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK ID, and BLUEMARK ID COLOR 1 UniSheet = 84 labels 1 UniSheet = 48 labels 1 UniSheet = 9 labels 1 UniSheet = 16 labels	**US-EMP (25X6)-1**	0802754	10
Roll, insert labels, can be marked with THERMOMARK ROLL, THERMOMARK ROLLMASTER 300, THERMOMARK ROLLMASTER 600 1 roll = 5000 markers 1 roll = 5400 markers 1 roll = 2500 markers 1 roll = 2300 markers	**EMT (25X6)R**	0817264	1
Cable tie, halogen-free, flammability rating in accordance with UL 94: V2, maximum bundle Ø [mm] / min. tensile strength [N][1])			
35 / 130	**WT-UV HF 3,6X140 BK**	3240832	100
50 / 220	**WT-UV HF 4,5X200 BK**	3240834	100
79 / 220	**WT-UV HF 4,5X290 BK**	3240835	100
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EMP ...	**TMP-UCT-MAG26**	0803370	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

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Lettering field size: 29 x 8 mm, for cable diameter > 6 mm



Lettering field size: 60 x 15 mm, for cable diameter > 9 mm



Lettering field size: 40 x 17 mm, for cable diameter > 9 mm

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK UV (29X8)	1014107	100

Accessories

UCT-EMP (29X8)	1014118	10
US-EMP (29X8)	0829436	10
EMT (29X8)R	0817277	1
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
TMP-UCT-MAG26	0803370	1
TMP-US-MAG1	0803341	1
BM ID-ADAPTER PLATE-US	1044355	1

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK UV (60X15)	1014108	50

Accessories

UCT-EMP (60X15)	1014119	10
US-EMP (60X15)	0828781	10
EMT (60X15)R	0801846	1
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
TMP-UCT-MAG26	0803370	1
TMP-US-MAG1	0803341	1
BM ID-ADAPTER PLATE-US	1044355	1

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

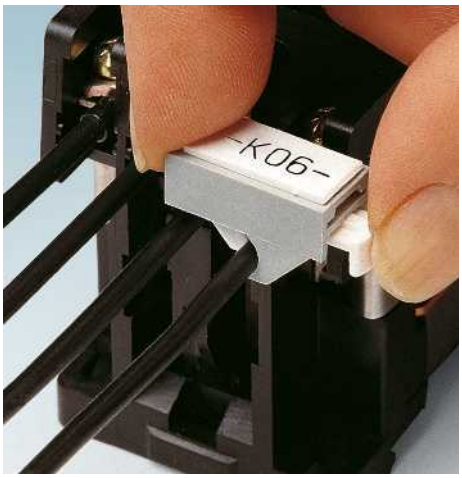
Type	Order No.	Pcs./Pkt.
KMK UV (40X17)	1014109	50

Accessories

UCT-EMP (40X17)	1014120	10
US-EMP (40X17)	0829437	10
EMT (40X17)R	0817293	1
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
TMP-UCT-MAG26	0803370	1
TMP-US-MAG1	0803341	1
BM ID-ADAPTER PLATE-US	1044355	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

GKM ... conductor markers



- The GKM ... conductor markers enable large-area marking on conductors
- Flexible application, thanks to spring-loaded conductor attachment
- Particularly suitable for temporary marking
- The UCT sheets can also be used with the THERMOMARK CARD-UCT-MAG15 magazine in THERMOMARK CARD ...
- Quick and easy to use



Conductor diameter from 0 to 5.2 mm

Technical data

General data		
Material		PA/ABS
Temperature range	[°C]	-40 ... 80
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Conductor marker, for conductor diameters of 0 - 5.2 mm	gray	**GKM 1 GY**	1750498	100
for conductor diameters of 4.8 - 11 mm	gray			

Accessories

Contactor label zack marker strip, 5-section, can be marked with X-PEN, B-STIFT, plotter or label 20 x 8				
Lettering field size: 20 x 8 mm	white	**SS-ZB WH**	5031171	50
Lettering field size: 20 x 8 mm	yellow	**SS-ZB YE**	5031650	50
UniCard, for marking devices from the following manufacturers: ABB, CONTA-CLIP, Escha, Festo, ifm-electronik, Harting, Moeller, Phoenix Contact, Siemens				
Lettering field size: 20 x 9 mm	white	**UC-EM (20X9)**	0825503	10
Lettering field size: 20 x 9 mm	yellow	**UC-EM (20X9) YE**	0827637	10
UniCard, for marking devices from the following manufacturers: ABB, CONTA-CLIP, Escha, Festo, ifm-electronik, Lumberg, Moeller, Murr Elektronik, Pepperl & Fuchs, Phoenix Contact, Siemens, Turck, Weidmüller				
Lettering field size: 20 x 9 mm	white	**UCT-EM (20X9)**	0801471	10
Lettering field size: 20 x 9 mm	yellow	**UCT-EM (20X9) YE**	0801472	10
Magazine for THERMOMARK CARD and THERMOMARK PRIME				
for accommodating UCT-EM (20x9)		**TMP-UCT-MAG15**	0803357	1

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Conductor diameter from 4.8 to 11 mm

Technical data

PA/ABS
-40 ... 80
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
GKM 2 GY	**1750485**	100

Accessories

SS-ZB WH	**5031171**	50
SS-ZB YE	**5031650**	50
UC-EM (20X9)	**0825503**	10
UC-EM (20X9) YE	**0827637**	10
UCT-EM (20X9)	**0801471**	10
UCT-EM (20X9) YE	**0801472**	10
TMP-UCT-MAG15	**0803357**	1

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Type key for SD-WMTBS ...



Ordering example
For letters, numbers, and symbols, the products need to be configured.
Ordering the letter A in yellow =
0826611: A - SD-WMTBS (CH)YE

Example 0826514 SD-WMTBS (S) YE

0826514	SD-WMTBS	(S)	YE
Order No.	**Product type**	**Printing**	**Color**
0826637	SD-WMTBS (NEUTRAL) CC	(NEUTRAL) = unprinted	YE = yellow
0826514	SD-WMTBS (S) YE	(S) = printed with numbers 0 - 9	YE = yellow
0826611: letter	SD-WMTBS (CH) YE	(CH) = letters A - Z	YE = yellow
0826624: symbol	SD-WMTBS (SY) YE	(SY) = symbols + - / . GND	YE = yellow
0826527	SD-WMTBS (NU) CC	(NU) = printed with numbers 0 - 9	CC = international color code
0826556: numbers	SD-WMTBS (NU) VA	(NU) = printed with numbers 0 - 9	VA = stainless steel
0826640: letters	SD-WMTBS (CH) VA	(CH) = letters A - Z	VA = stainless steel
0826653: symbol	SD-WMTBS (SY) VA	(SY) = symbols + - / . GND	VA = stainless steel

International color code



Printing	Marker color	Font color
0	Black	White
1	Brown	White
2	Red	White
3	Orange	Black
4	Yellow	Black
5	Green	White
6	Blue	White
7	Violet	White
8	Gray	Black
9	White	Black

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Cable marking for carrier assembly



– Cable markers for marking cables and conductors with larger cross sections
– The printed individual markers are pushed onto the corresponding holders

Notes:

[1]) For an ordering example, see page 244.

The marker carrier is secured with cable ties. For coordinating cable ties up to 4.8 mm width, see from page 614.



Individual markers with carrier for cable diameter > 16 mm

Technical data

General data		
Material		Polyvinyl chloride
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-30 ... 60
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker[1])				
unprinted	yellow	**SD-WMTBS (NEUTRAL) CC**	0826637	100
printed: with numbers 0-9	yellow	**SD-WMTBS (S) YE**	0826514	100
printed: with upper case letters A-Z	yellow	**SD-WMTBS (CH) YE**	0826611	100
printed: with symbols + - / . GND	yellow	**SD-WMTBS (SY) YE**	0826624	100
International color code, printed: with numbers 0-9	international color code	**SD-WMTBS (NU) CC**	0826527	100
Label holder, for cable ties up to 4.8 mm wide				
For max. 7 characters	black	**SD-WMTB (70X10)**	0826530	100
For max. 13 characters	black	**SD-WMTB (100X10)**	0826543	100

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Stainless steel cable marking for carrier assembly



- Cable markers for marking cables and conductors with larger cross sections
- The individual stainless steel markers are pushed onto the corresponding holders
- They are secured using stainless steel cable ties
- Easy assembly with UNIFOX-CT M7,9

Notes:

[1]) For ordering example, see page 244.

For further stainless steel cable ties, see page 620.



Stainless steel markers with carrier for assembly with cable ties

Technical data

General data	
Material	Stainless steel

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable markers, 5 strips, each with 10 markers[1])				
unprinted	silver	**SD-WMTBS (NEUTRAL) VA**	0826666	50
printed: with numbers 0-9	silver	**SD-WMTBS (NU) VA**	0826556	50
printed: with upper case letters A-Z	silver	**SD-WMTBS (CH) VA**	0826640	50
printed: with symbols + - / . GND	silver	**SD-WMTBS (SY) VA**	0826653	50
Label holder				
For max. 6 characters	silver	**SD-WMTB (30X10) VA**	0826569	50
For max. 9 characters	silver	**SD-WMTB (47X10) VA**	0826572	50
For max. 13 characters	silver	**SD-WMTB (70X10) VA**	0826585	50
For max. 17 characters	silver	**SD-WMTB (92X10) VA**	0826598	50
For max. 20 characters	silver	**SD-WMTB (111X10) VA**	0826608	50

Accessories

Cable tie, made of stainless steel (AISI 304), width: 4.6 mm, maximum bundle Ø [mm]/minimum tensile strength [N]				
30 / 890	silver	**WT-STEEL S 4,6X150**	3240807	100
50 / 890	silver	**WT-STEEL S 4,6X201**	3240808	100



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Stainless steel cable marking for embossing or laser engraving



- The KMV ... steel cable markers are used in areas where cables and pipes are exposed to high temperatures and chemically aggressive atmospheres
- The markers can be engraved or imprinted with a letter and number punch
- They are secured using stainless steel cable ties
- Easy assembly with UNIFOX-CT M7,9

Notes:

For further stainless steel cable ties, see page 620.



Stainless steel marker for assembly with cable ties

Technical data

General data	
Material	Stainless steel 304

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Steel cable markers, rustproof, non-magnetic, label size: 89 x 19 mm, lettering field size: 65 x 19 mm	silver	**KMV**	0806644	100
Steel cable markers, rustproof, non-magnetic, label size: 44 x 9.6 mm, lettering field size: 23 x 9 mm	silver	**KMV 44X9,6**	0812007	100

Accessories

Cable tie, made of stainless steel (AISI 304), width: 4.6 mm, maximum bundle Ø [mm]/minimum tensile strength [N] **30 / 890**	silver	**WT-STEEL S 4,6X150**	3240807	100

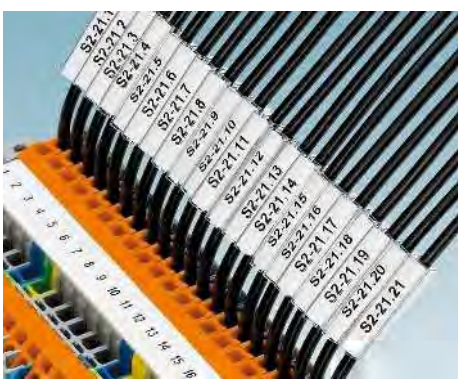


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Marking collars for insert labels



- These wire marking systems consist of marker carriers and insert labels
- The PATG ... collar is a captive marker carrier
- Marks conductors with a diameter of 0.6 ... 50 mm
- The corresponding UC-WMT ..., UCT-WMT ..., US-WMT ..., and EMT ... insert labels are used for marking





Closed marker carrier, for sliding on

Technical data

General data		
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-50 ... 80
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Wire marker carrier, closed, **10 mm** wide				
Conductor diameter: 0.6 - 1.2 mm	transparent	**PATG 0/10**	1013795	1000
Conductor diameter: 1.5 - 2.5 mm	transparent	**PATG 1/10**	1013805	1000
Conductor diameter: 2.0 - 4.0 mm	transparent	**PATG 2/10**	1013818	1000
Conductor diameter: 4.0 - 7.0 mm	transparent	**PATG 3/10**	1013821	500
Wire marker carrier, closed, **12 mm** wide				
Conductor diameter: 0.6 - 1.2 mm	transparent	**PATG 0/12**	0827076	1000
Conductor diameter: 1.5 - 2.5 mm	transparent	**PATG 1/12**	0827077	1000
Conductor diameter: 2.0 - 4.0 mm	transparent	**PATG 2/12**	0827078	1000
Conductor diameter: 4.0 - 7.0 mm	transparent	**PATG 3/12**	0827079	500
Conductor diameter: 6.0 - 10.0 mm	transparent	**PATG 4/12**	0827080	500
	transparent	**PATG 5/12**	0803312	200
Wire marker carrier, closed, **15 mm** wide				
Conductor diameter: 0.6 - 1.2 mm	transparent	**PATG 0/15**	1013740	1000
Conductor diameter: 1.5 - 2.5 mm	transparent	**PATG 1/15**	1013025	1000
Conductor diameter: 2.0 - 4.0 mm	transparent	**PATG 2/15**	1013038	1000
Conductor diameter: 4.0 - 7.0 mm	transparent	**PATG 3/15**	1013041	500
Conductor diameter: 6.0 - 10.0 mm	transparent	**PATG 4/15**	1013054	500
Conductor diameter: 10.0 - 14.0 mm	transparent	**PATG 5/15**	1013067	200
Conductor diameter: 14.0 - 22.0 mm	transparent	**PATG 6/15**	1013070	200
Conductor diameter: 22.0 - 30.0 mm	transparent	**PATG 7/15**	1013083	50
Conductor diameter: 30.0 - 35.0 mm	transparent	**PATG 8/15**	1013096	50
Conductor diameter: 35.0 - 45.0 mm	transparent	**PATG 9/15**	1013106	50
Wire marker carrier, closed, **18 mm** wide				
Conductor diameter: 0.6 - 1.2 mm	transparent	**PATG 0/18**	0820507	1000
Conductor diameter: 1.5 - 2.5 mm	transparent	**PATG 1/18**	0820510	1000
Conductor diameter: 2.0 - 4.0 mm	transparent	**PATG 2/18**	0820523	1000
Conductor diameter: 4.0 - 7.0 mm	transparent	**PATG 3/18**	0820536	500
Conductor diameter: 6.0 - 10.0 mm	transparent	**PATG 4/18**	0820549	500
Conductor diameter: 10.0 - 14.0 mm	transparent	**PATG 5/18**	0828059	200
Conductor diameter: 14.0 - 22.0 mm	transparent	**PATG 6/18**	0828062	200
Wire marker carrier, closed, **23 mm** wide				
Conductor diameter: 0.6 - 1.2 mm	transparent	**PATG 0/23**	0828046	1000
Conductor diameter: 1.5 - 2.5 mm	transparent	**PATG 1/23**	1013847	1000
Conductor diameter: 2.0 - 4.0 mm	transparent	**PATG 2/23**	1013850	500
Conductor diameter: 4.0 - 7.0 mm	transparent	**PATG 3/23**	1013863	500
Conductor diameter: 6.0 - 10.0 mm	transparent	**PATG 4/23**	0808011	200
Conductor diameter: 10.0 - 14.0 mm	transparent	**PATG 5/23**	0808024	200
Conductor diameter: 14.0 - 22.0 mm	transparent	**PATG 6/23**	0808037	100
Conductor diameter: 22.0 - 30.0 mm	transparent	**PATG 7/23**	0808040	50
Conductor diameter: 30.0 - 35.0 mm	transparent	**PATG 8/23**	0808053	50
Wire marker carrier, closed, **30 mm** wide				
Conductor diameter: 1.5 - 2.5 mm	transparent	**PATG 1/30**	0822440	500
Conductor diameter: 2.0 - 4.0 mm	transparent	**PATG 2/30**	0822453	500
Conductor diameter: 4.0 - 7.0 mm	transparent	**PATG 3/30**	0822466	200
Conductor diameter: 6.0 - 10.0 mm	transparent	**PATG 4/30**	0822479	200
Conductor diameter: 10.0 - 14.0 mm	transparent	**PATG 5/30**	0822482	200

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Marking collars for insert labels

– Can be marked using UC-WMT ..., US-WMT ..., and UCT-WMT ... plastic labels or EMT ... insert strips

PATO ...

– These marking collars are used for the subsequent marking of systems that have already been wired

PAB-KTL ...

– Marking collars for marking and bundling conductors



Open marker carrier, for clipping on



Marker carrier for assembly with cable ties

		Technical data	Technical data
General data			
Material		PVC	PVC
Flammability rating in accordance with UL 94		V0	V0
Temperature range	[°C]	-50 ... 80	-50 ... 80
Components		Silicone-free	Silicone-free

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Wire marker carrier, open, **10 mm** wide							
Conductor diameter: 2.0 - 3.5 mm	transparent	**PATO 1/10**	1013876	1000			
Conductor diameter: 2.8 - 4.4 mm	transparent	**PATO 2/10**	1013889	1000			
Wire marker carrier, open, **12 mm** wide							
Conductor diameter: 2.0 - 3.5 mm	transparent	**PATO 1/12**	0827081	1000			
Conductor diameter: 2.8 - 4.4 mm	transparent	**PATO 2/12**	0827082	1000			
Wire marker carrier, open, **15 mm** wide							
Conductor diameter: 2.0 - 3.5 mm	transparent	**PATO 1/15**	1013119	1000			
Conductor diameter: 2.8 - 4.4 mm	transparent	**PATO 2/15**	1013122	1000			
Conductor diameter: 6.7 - 8.0 mm	transparent	**PATO 3/15**	1013135	500			
Conductor diameter: 6.7 - 10.0 mm	transparent	**PATO 4/15**	1013148	500			
Wire marker carrier, open, **18 mm** wide							
Conductor diameter: 2.0 - 3.5 mm	transparent	**PATO 1/18**	0823740	500			
Conductor diameter: 2.8 - 4.4 mm	transparent	**PATO 2/18**	0823753	500			
Wire marker carrier, open, **23 mm** wide							
Conductor diameter: 2.0 - 3.5 mm	transparent	**PATO 1/23**	1013892	500			
Conductor diameter: 2.8 - 4.4 mm	transparent	**PATO 2/23**	1013902	500			
Wire marker carrier, open, **30 mm** wide							
Conductor diameter: 2.0 - 3.5 mm	transparent	**PATO 1/30**	0822495	500			
Conductor diameter: 2.8 - 4.4 mm	transparent	**PATO 2/30**	0822505	500			
Cable marker carrier, lettering field along the length of cable, can be marked with UC-WMT and PABA..., lettering field size: 30 x 4 mm, fastened with PKB cable tie							
	transparent				**PAB-KTL**	1013261	200
Lettering field size: 23 x 4 mm, marking with UC-WMT and PABA.../23	transparent				**PAB-KTL 23**	1013957	200
Plastic cable markers for PKE insert label, can be marked with PKE insert label, lettering field size: 9 mm x 20 mm, with eyelets for fastening with PKB cable tie							
	transparent				**PKT 9X20**	0803977	240

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Halogen-free marking collars for insert labels



- These wire marking systems consist of marker carriers and insert labels
- The PATG HF ... collar is a captive marker carrier
- Marks conductors with a diameter of 1.3 mm ... 10 mm
- The corresponding UC-WMT ... and UCT-WMT ... insert labels are used for marking
- These wire marking systems are particularly suitable for use in the railway and automotive industry, traffic technology, and building technology, thanks to their outstanding material properties
- Comprehensive approvals, such as NF F 16-101/16-102, DIN EN 45545-2, and DIN 5510-2 ensure international use
- Strengthening ribs ensure central fixing of the conductor or cable

Notes:

High-quality fluid printing with the BLUEMARK is required when using the UC-WMT... insert labels.



Closed marker carrier, for sliding on

Technical data

General data		
Material		TPU
Flammability rating in accordance with UL 94		-
Temperature range	[°C]	-40 ... 85
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Wire marker carrier, closed, **10 mm** wide				
Cable diameter: 1.3 - 2.8 mm	transparent/ black	**PATG HF 1/10**	1014044	1000
Cable diameter: 2.0 - 4.0 mm	transparent/ black	**PATG HF 2/10**	1014050	1000
Cable diameter: 4.0 - 7.0 mm	transparent/ black	**PATG HF 3/10**	1014056	500
Wire marker carrier, closed, **12 mm** wide				
Cable diameter: 1.3 - 2.8 mm	transparent/ black	**PATG HF 1/12**	1014045	1000
Cable diameter: 2.0 - 4.0 mm	transparent/ black	**PATG HF 2/12**	1014051	1000
Cable diameter: 4.0 - 7.0 mm	transparent/ black	**PATG HF 3/12**	1014057	500
Cable diameter: 5.0 - 10.0 mm	transparent/ black	**PATG HF 4/12**	1014063	500
Wire marker carrier, closed, **15 mm** wide				
Cable diameter: 1.3 - 2.8 mm	transparent/ black	**PATG HF 1/15**	1014046	1000
Cable diameter: 2.0 - 4.0 mm	transparent/ black	**PATG HF 2/15**	1014052	1000
Cable diameter: 4.0 - 7.0 mm	transparent/ black	**PATG HF 3/15**	1014058	500
Cable diameter: 5.0 - 10.0 mm	transparent/ black	**PATG HF 4/15**	1014064	500
Wire marker carrier, closed, **18 mm** wide				
Cable diameter: 1.3 - 2.8 mm	transparent/ black	**PATG HF 1/18**	1014047	1000
Cable diameter: 2.0 - 4.0 mm	transparent/ black	**PATG HF 2/18**	1014053	1000
Cable diameter: 4.0 - 7.0 mm	transparent/ black	**PATG HF 3/18**	1014059	500
Cable diameter: 5.0 - 10.0 mm	transparent/ black	**PATG HF 4/18**	1014065	500
Wire marker carrier, closed, **23 mm** wide				
Cable diameter: 1.3 - 2.8 mm	transparent/ black	**PATG HF 1/23**	1014048	1000
Cable diameter: 2.0 - 4.0 mm	transparent/ black	**PATG HF 2/23**	1014054	500
Cable diameter: 4.0 - 7.0 mm	transparent/ black	**PATG HF 3/23**	1014060	500
Cable diameter: 5.0 - 10.0 mm	transparent/ black	**PATG HF 4/23**	1014066	200
Wire marker carrier, closed, **30 mm** wide				
Cable diameter: 1.3 - 2.8 mm	transparent/ black	**PATG HF 1/30**	1014049	500
Cable diameter: 2.0 - 4.0 mm	transparent/ black	**PATG HF 2/30**	1014055	500
Cable diameter: 4.0 - 7.0 mm	transparent/ black	**PATG HF 3/30**	1014061	200
Cable diameter: 5.0 - 10.0 mm	transparent/ black	**PATG HF 4/30**	1014067	200

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Closed marker carrier

new





Closed marker carrier, for sliding on

Technical data

General data	
Material	TPU
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 85
Components	Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Wire marker carrier, transparent/black, unmarked, mounting type: slid on, cable diameter: 4 - 7 mm, lettering field size: 4 x 30 mm	transparent/ black	**PATG HF 3/30 VPE 1000**	1044263	1000
Wire marker carrier, transparent/black, unmarked, mounting type: slid on, cable diameter: 5 - 10 mm, lettering field size: 4 x 30 mm		**PATG HF 4/30 VPE 1000**	1044271	1000

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Equipment marking – MARKING system

Marking electrical and electronic control cabinet components does not just make maintenance work easier. In some industries it is actually a mandatory requirement. Moreover, equipment identification improves the quality of the control cabinets and systems.

Phoenix Contact offers a variety of different markers for equipment marking. From adhesive labels to high-quality engraving labels, the extensive marker range caters for every application.

A variety of printing systems is available for marking or engraving.

Product range overview

Equipment marking **254**

Equipment marking overview
The right marking solution for every device
Phoenix Contact **256**
Other manufacturers **262**

LS-EM... stainless steel, aluminum, plastic, and laser foil equipment marking
Designed to be stuck on, screwed in or riveted or snapped into marker carriers **282**

Aluminum EM... AL and stainless steel EM...-V4A equipment marking
Designed to be stuck on, screwed in or riveted or snapped into marker carriers **294**

UniCard UC-EM... and UCT-EM... equipment marking
Designed to be stuck on, screwed in or riveted or snapped into marker carriers **298**
Designed to be snapped in, for devices from Phoenix Contact and other manufacturers **306**

UniSheet US-EM... equipment marking
Designed to be stuck on, screwed in or riveted or snapped into marker carriers, labels, and combi labels **314**

EM... equipment marking, labels supplied in rolls
Labels for buttons, continuous and textile labels, labels for rough surfaces, for high-temperature and ESD applications, removable labels, labels with anti-tamper protection **324**
Insert strips for devices from Phoenix Contact and other manufacturers **342**

BMK... equipment marking, labels supplied as DIN A sheets **344**

GPE... and EMLP... equipment marking, markers for printing or engraving **346**

Marker carriers and profiles **348**

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Clear marking of electrical and electronic control cabinet components is essential for safe and efficient work. As with comprehensive technical documentation, marking all operating equipment increases the availability of the switchgear. This simplifies maintenance.

Last but not least, equipment identification improves the quality of the control cabinets and systems. Phoenix Contact offers a wide range of different marking materials; labels and signs made from plastic, aluminum, and stainless steel.

Depending on the design, the marking materials are adhered in place, snapped into existing carriers or secured by means of rivet or screw mounting. The combination of printing system and marking material ensures high quality with regard to the appearance, wipe and scratch resistance.

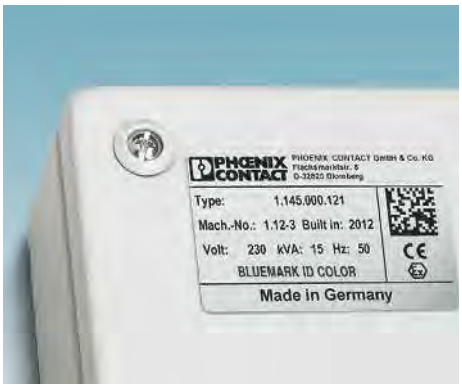
Depending on the application and material for individual marking, the following marking systems can be used.

- TOPMARK NEO, laser marker for marking UniCard formats as well as stainless steel and aluminum labels.
- BLUEMARK ID and BLUEMARK ID COLOR, high-speed printer with UV LED technology for marking UniSheet and UniCard formats as well as aluminum markers
- THERMOMARK CARD 2.0 and THERMOMARK PRIME, thermal transfer card printer for marking UniSheet and UniCard formats
- THERMOMARK ROLL 2.0, thermal transfer roll printer for marking material off the roll and continuous media
- THERMOMARK ROLLMASTER 300 and ROLLMASTER 600, industrial thermal transfer roll printer for large printing volumes of rolls and continuous media
- THERMOFOX, thermal transfer printer in handheld format, for marking labels in cassette format
- PLOTMARK, marking plotter for marking UniCard formats as well as materials in strip and sheet format
- ENGRAVING UNIT, engraving unit for the marking plotter, for marking 2-layer plastic materials in sheet format
- Standard desktop laser printer, for marking material in sheet format

The PROJECT complete software is available for the easy and efficient production of markings. The marking data generated can be imported from CAE systems, Excel or word processing programs using the data exchange manager included in PROJECT complete. In addition to automatic data transfer, there is also the option of manual input. The print files are then automatically forwarded to the corresponding marking systems and processed

If you do not have the option of creating markings yourself, you can turn to our marking service. We will be happy to handle your printing orders. This also includes engraving or laser marking of stainless steel cable markers.

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Device markers are available in various sizes, materials, and colors. The self-adhesive labels have been designed for use in a wide temperature range.



Drilled labels are available for marking devices and control cabinets. These can be securely attached to the device using screws or rivets.



The CARRIER marking system is the perfect choice for marking buttons. The system consists of a carrier plus marking label and can be used in control cabinets as well as in the field.



High-temperature labels are ideal for marking PCBs. These labels can safely and permanently withstand temperatures of -40°C to 180°C; or a temperature of 300°C for up to 60 seconds.



Tamper-proof labels are used as rating plates or seals. When detaching, a part of the metalized layer separates. The part leaves a pattern on the label and substrate.



GPE label sheets consist of a two-layer material that is ideal for engraving. However, the prefabricated self-adhesive labels can also be marked directly by hand or using a plotter.



In the case of small print volumes, labels are also printed using standard desktop laser printers. Copy sheets are provided with margins to make it easier to remove individual labels.



The self-adhesive markers are available in various shapes and sizes. They can be used to mark components, devices, and buttons and are highly resistant to chemical and mechanical effects.



Self-adhesive marker carriers are used in conjunction with marking labels to mark devices and modules. The carriers can be stuck onto all standard surfaces.

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Equipment marking for Phoenix Contact



	UC-TMF 5 0818153	UC-TMF 8 0818137	UC-TMF 10 0818124	UC-TMF 16 0819262	UC-TM 5 0821302	UC1U-TM 5 0821302
	UCT-TMF 5 0828744	UCT-TMF 8 0828748	UCT-TMF 10 0829204	UCT-TMF 16 0829218	UCT-TM 5 0828734	UCT1U-TM 5 0803204
						UM1U-TM (5x10) 0830910
Cross-reference list – Catalog 2 Sensor/actuator cabling and connectors						
SAC-… P M12 SPEEDCON valve connector adapters						
M12 SPEEDCON double valve adapters, design A						
SACB with M8 slots			■			
SACB with M12 slots				■		
SACB with M5 slots						■
SACB-4/T … M12 distributors for power connectors						
M8 distributor boxes with plug-in trunk cable connection			■			
M8 distributor boxes with M12/M16 plug-in connection			■			
M12 distributor boxes with plastic thread and connector hood						
M1 distributor boxes with metal thread and screw connection						
Shielded M12 distributor boxes				■		
QUICKON distributor boxes with 0.14 - 0.34 mm² connection cross section						
QUICKON distributor boxes with 0.34 - 0.75 mm² connection cross section				■		
VS-CABLE … data connectors	■					
VS-SCRJ …, VS-IL-2X … data connectors		■				
Digital I/O devices with M8 connection technology			■			
Digital I/O devices with M12 connection technology						
Sensor/actuator cabling accessories		■				
ASI CC DIST … AS-Interface distributors						
VS-SI … data front plate						
HC-M … modular contact insert						
HEAVYCON HC-B … A heavy-duty connectors						
HEAVYCON HC-D … A heavy-duty connectors					■	

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Equipment marking for Phoenix Contact



UC-TM 6 0818085	UC1-TM 8 0821739		UC-EM (17,5x9) 0827490	UC-EM (20x7) 0825499	UC-EM (20x9) 0825503	UC-WMT (23x4) 0819411
UCT-TM 6 0828736		UCT-EM (7x10) 0830765	UCT-EM (17,5x9) 0801491	UCT-EM (20x7) 0801494	UCT-EM (20x9) 0801471	UCT-WMT (23x4) 0801453
	UM1-TM (8x10) 0830906					EMT (23x4)R 0817361

Cross-reference list – Catalog 2 Sensor/actuator cabling and connectors							
SAC-… P M12 SPEEDCON valve connector adapters		■					
M12 SPEEDCON double valve adapters, design A		■				■	
SACB with M8 slots							
SACB with M12 slots							
SACB with M5 slots							
SACB-4/T … M12 distributors for power connectors			■				
M8 distributor boxes with plug-in trunk cable connection							
M8 distributor boxes with M12/M16 plug-in connection							
M12 distributor boxes with plastic thread and connector hood				■			
M1 distributor boxes with metal thread and screw connection				■			
Shielded M12 distributor boxes							
QUICKON distributor boxes with 0.14 - 0.34 mm² connection cross section				■			
QUICKON distributor boxes with 0.34 - 0.75 mm² connection cross section							
VS-CABLE … data connectors							
VS-SCRJ …, VS-IL-2X … data connectors							
Digital I/O devices with M8 connection technology							
Digital I/O devices with M12 connection technology				■			
Sensor/actuator cabling accessories							■
ASI CC DIST … AS-Interface distributors							
VS-SI … data front plate					■		
HC-M … modular contact insert						■	
HEAVYCON HC-B … A heavy-duty connectors	■						
HEAVYCON HC-D … A heavy-duty connectors							

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Equipment marking for Phoenix Contact

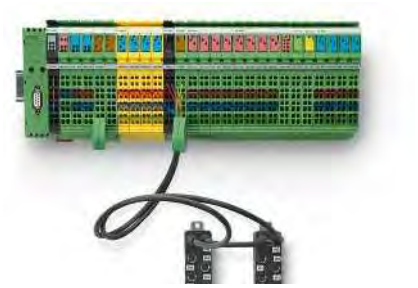


	UC-TMF 5 0818153	UC-TMF 12 0818233	UC-TMF 16 0819262	UC-TM 6 0818085
	UCT-TMF 5 0828744	UCT-TMF 12 0829214	UCT-TMF 16 0829218	UCT-TM 6 0828736
Cross-reference list Catalog 4 Surge protection, device circuit breakers, and power supplies				
FLASHTRAB compact lightning current arrester		■	■	
FLASHTRAB compact PLUS lightning current arrester		■	■	
FLASHTRAB lightning current arrester		■	■	
FLASHTRAB SEC lightning current arrester		■	■	
VALVETRAB compact surge protective device	■			
VALVETRAB MS surge protective device		■	■	
VALVETRAB-SEC surge protective device		■	■	
MAINS-PLUGTRAB device protection		■	■	
PLUGTRAB SEC device protection		■	■	
PLUGTRAB with PT-IQ function monitoring		■	■	
PLUGTRAB MCR		■	■	
LINETRAB				■
Terminal blocks with TT surge protection				■
CB TM ... pluggable thermomagnetic circuit breaker		■		

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Equipment marking for Phoenix Contact



	UC-TMF 6 0818140	UC-TMF 8 0818137	UC-TMF 12 0819233	UC-TMF 16 0819262	UC-TM 6 0818085	
	UCT-TMF 6 0828746	UCT-TMF 8 0828748	UCT-TMF 12 0829214	UCT-TMF 16 0829218	UCT-TM 6 0828736	UCT-EM (7x10) 0830765
Cross-reference list Catalog 6 Automation						
Safety relay modules				■		
Inline	■					
INTERBUS ST …	■				■	
Fieldline … M8		■				
Fieldline … M12			■			
Axioline F series						
Axioline E series						■



	UC-TMF 6 0818140	UC-TMF 12 0819233	UC-TMF 16 0819262	UC-TM 6 0818085		UC-EM (17,5x9) 0828490
	UCT-TMF 6 0828746	UCT-TMF 12 0829214	UCT-TMF 16 0829218	UCT-TM 6 0828736	UCT-EM (30x5) 0801505	UCT-EM (17,5x9) 0801491
Cross-reference list Catalog 5 Interface technology and switching devices						
ELR-H … hybrid motor starters			■			
ELR-W … solid-state contactors						
MINI Analog signal conditioners	■					
MINI Analog Pro signal conditioners					■	
MACX Analog signal conditioners						
Interface relay PLC feed-in terminal						■
Interface relay PLC-B …, PLC-O …, PLC-R …				■		
DEK-REL … relay terminal block				■		
DEK-OE … special relay				■		
DEK-TR … inverter module				■		
COMPACT-LINE UM 45 …		■				
PROCESS Interface PI-EX …	■					
RIFLINE complete				■		

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Equipment marking for Phoenix Contact



	UC-EM (20x9) 0825503						
	UCT-EM (20x9) 0801471	US-EML (20x8) 0800458					
		EML (20x8)R 0816786	EMT (35x18,7)R 0801831	EMT (35x28)R 0801602	EMT (35x46)R 0801604	EMT (62x10)R 0800057	EMT (62x46)R 0800059
Cross-reference list Catalog 6 Automation							
Safety relay modules	■	■				■	
Inline						■	■
INTERBUS ST …							
Fieldline … M8							
Fieldline … M12							
Axioline F series			■	■	■		
Axioline E series							



	UC-EM (20x9) 0825503	UC-EMLP (11x9) 0819291	UC-EMLP (15x5) 0819301
	UCT-EM (20x9) 0801471		
		US-EMLP (11 x 9) 0828789	US-EMLP (15x5) 0828790
Cross-reference list Catalog 5 Interface technology and switching devices			
ELR-H … hybrid motor starters			
ELR-W … solid-state contactors	■		
MINI Analog signal conditioners	■		
MINI Analog Pro signal conditioners			■
MACX Analog signal conditioners		■	
Interface relay PLC feed-in terminal	■		
Interface relay PLC-B …, PLC-O …, PLC-R …			
DEK-REL … relay terminal block			
DEK-OE … special relay			
DEK-TR … inverter module	■		
COMPACT-LINE UM 45 …			
PROCESS Interface PI-EX …			
RIFLINE complete			

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Equipment marking for other manufacturers

	UC-EM (17,5x7,5) 0825495		UC-EM (17,5x8) 0823766	UC-EM (17,5x9) 0827490	UC-EMLP (20x8) 0819327	UC-EM (20x9) 0825503	UC-EM (21x8) 0825507
	UCT-EM (17,5x7,5) 0801482	UCT-EM (17x8) 0801842	UCT-EM (17,5x8) 0801496	UCT-EM (17x9) 0801475		UCT-EM (20x9) 0801477	UCT-EM (21x8) 0801489
					US-EMLP (20x9) 0828795		
Cross-reference list – ABB Automation							
Miniature circuit breaker S 221… S 223… S 281… S 284	■						
Residual-current device F 271… F 172…	■						
Switch, button, indicator light E 221…, E 222…, E 223…, E 225…, E 226…, E 227…	■						
Power dimmer STD…	■						
Power supply unit NTLS…	■						
Power consumption meter RS 232…	■						
Installation contactors ESB… EN…	■						
Miniature circuit breakers LE1… LE3… LP 1-3… LPUC 1/2, LP1NA… LP3NA…	■						
Residual-current devices F… FIP… FIK… FI-LP… FIS…	■						
FI signal generators FISG…	■						
Load switches IS…	■						
Surge protective devices SA 4…	■						
Logic modules	■						
Logic and extension module LM… DO… DX…			■				
Miniature circuit breaker				■			
Switch contacts A9, A12, A16, A26, A30, A40, A50, A63, A75, A95, A110, A145, A185, A210, A260, A300, AF 400, AF460, AF580, AF750		■					■
Mini contacts B6, B7		■					■
SZ-KZS						■	
A9-30-10					■		

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Equipment marking for other manufacturers

	UCT-EM (17x10) 0801483	UCT-EM (12x8) 1058146
Cross-reference list – Allen Bradley Automation		
100-C09Z*10, 100-F A22, 100-F- A40	■	
140M x motor starters	■	
700-HK Slim Line relays		■

	UC-TMF 12 0819233	UC-EM (10x8) 0825491
	UCT-TMF 12 0829214	UCT-EM (10x8) 0801485
Cross-reference list – Bosch/Automation		
Bosch/distributor		■
RF-FLS PB 12MI DIO 4/4 M12-2A	■	
RF-FLS PB M12 DI 8M12	■	
RF-FLS PB M12 DIO 8/8 M12	■	
RF-FLS PB M12 DO M12-2A	■	

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Equipment marking for other manufacturers

	UC1-TMF 5 0821425		
	UCT1-TMF 5 0829237	UCT-EM (10x5) 0801498	UCT-EM (12x7) 0801501
	UM1-TMF (5x5) 0830902		
Cross-reference list – Beckhoff Automation			
BC 2000, BC 3100, BC 4000, BC 9000, BC 9050	■		■
BK 3010, BK 3110			■
Bus terminals KL …	■		■
EtherCAT-Box EP …			■
EtherCAT-Box EQ …			■
Ether CAT-Box ER …			■
EtherCAT terminal blocks EL …	■		■
EtherCAT terminal blocks ES …	■		■
Fieldbus Box IE		■	
Fieldbus Box IL		■	
Fieldbus Box IP		■	
SAI distributor (sensor/actuator interface)		■	

	UCT-EM (12x3.3) 0801502	UCT-EM (12x6) 0801503
Cross-reference list – Bernecke + Rainer		
X20 system	■	■

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Equipment marking for other manufacturers

	UC1-TM 6 0821247		UC-EM (20x9) 0825503
	UCT1-TM 6 0829483	UCT-EM (6x10) 0801493	UCT-EM (20x9) 0801471
	UM1-TM (6x10) 0830903		
Cross-reference list – CONTA-CLIP Electronics			
Interface relay … IRCIU		■	
Interface relay … IRCPU		■	
Interface relay IRCOU		■	
Interface relay IRCU		■	
Interface relay MFR … IRCPU		■	
PGSV, PSP			■
Plug relay terminal block screw/ spring-cage technology … PRCU		■	
Plug relay screw technology PRCU	■		
Plug relay spring-cage technology ZPRCU	■		
Plug solid-state-compact … PSCU	■		
Relay terminal block screw technology MFR PRCU	■		
Time relay terminal block MFR PSCU	■		

		UC-EM (20x7) 0825499		UC-EM (20x9) 0825503
	UCT-EM (10x5) 0801470	UCT-EM (20x7) 0801494	UCT-EM (20x8) 0801477	UCT-EM (20x9) 0801471
Cross-reference list – Escha				
I/O distributor M8x1	■			
I/O distributor M12x1				■
Valve connector, A design		■		
Distribution block FK/FKS			■	■

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Equipment marking for other manufacturers

		UC-EM (17,5x9) 0827490		UC-EM (20x9) 0825503	
	UCT-EM (6x10) 0801493	UCT-EM (17x9) 0801475	UCT-EM (17x10) 0801483	UCT-EM (20x9) 0801471	UCT-EMNP (12,5x6) 1025150
Cross-reference list – Festo Automation					
Compact performance	■				
CPA10 / EV1	■				
CP-E16 valve terminal	■				
CP-E16-KL-CL	■				
CPV18-V1				■	
CPX-AP-I					■
CP-E16-M electronics	■				
IBS 6x10	■				
IBS 9/17		■			
IBS 9/20				■	
IBS 10/17			■		
MPV-E/A08-M8	■				
MPV-E/A08-M12	■				
MPV-E/A12-M8	■				
CPV pneumatics	■				

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Equipment marking for other manufacturers

		UC-EM (10x8) 0825491	UC-EMLP (20x8) 0819327		UC-EM (20x9) 0825503
	UCT-EM (10x5) 0801470	UCT-EM (10x8) 0801485			UCT-EM (20x9) 0801471
			US-EMLP (20x9) 0828795	US-EMP (20x9) 0829439	
Cross-reference list – Pepperl + Fuchs					
ASI VAA-2E-64SN (VAA pneumatic module)		■			
AS-i bus module		■			
G6 compact modules	■	■			
IPG-64-B7		■			
K series (module marking carriers)				■	
Power repeater			■		
VAS-2A-K 12U					■
WA-4E-62-ZE					■

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Equipment marking for other manufacturers

	UCT-EM (6x10) 0801493	UCT-EM (10x8) 0801485	UCT-EM (17x9) 0801475	UCT-EM (12x8) 1058146
Cross-reference list – Finder				
Series 22 installation relays			■	
Series 46 industrial relays				■
Series 19.21 intervention modules		■		
Series 38.21/38.51/38.61/38.81/ 38.91 coupling relays	■			
Series 20 impulse switches			■	
Series 70.61 monitoring relays				
Variclip (relay retaining bracket)			■	
Variclip 020.24				
Series 80.82 time relays			■	

	UC-TM 5 0818108	UC3-TM 5 0822369	UC-TM 6 0818085	UC3-TM 6 0822385	UC-EM (20x7) 0825499	UC-EM (20x9) 0825503
	UCT-TM 5 0828734	UCT3-TM 5 0829251	UCT-TM 6 0828736	UCT3-TM 6 0829252	UCT-EM (20x7) 0801494	UCT-EM (20x9) 0801471
		UM3-TM (5x8) 0830917		UM3-TM (6x8) 0830915		
Cross-reference list – Harting						
Han D AV connection distributor	■	■				
Han D AV multiplier	■					
Han E AV connection distributor			■	■		
Han ES AV connection distributor				■		
Han-Port data connector					■	
Han-Port mounting frame					■	
Han-Port protective contact sockets					■	
Han-Snap contact insert holder						■
Han-Snap contact insert holder with carrier element						■
Han-Snap coupling						■
Han-Snap shell housing						■

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Equipment marking for other manufacturers

	UC-EM (10x8) 0825491		UC-EM (17,5x8) 0823766	UC-EM (20x9) 0825503	UC-EM (21x8) 0825507	UC-EMLP (20x8) 0819327	UC-WMT (23x4) 0819411
	UCT-EM (10x8) 0801485	UCT-EM (17x8) 0801842	UCT-EM (17,5x8) 0801496	UCT-EM (20x9) 0801471	UCT-EM (21x8) 0801489		UCT-WMT (23x4) 0801453
						US-EMLP (20x9) 0828795	US-WMT (23x4) 0828769
Cross-reference list – ifm-electronik							
AC 2480 active AS-i module	■						
AC 20 … Classic module/ Universal M	■						
AC 225 Smart line		■			■	■	
AC 24 80/81 Compact line	■						
AC 50 … module bases	■						
AC 52 … Classic line distributor module			■				
AC 5210 As-i module			■				
AS-i modules			■				
AV 52 … Classic line			■				
I/O modules				■			
M12/M8 connecting cables							■
Central distributors				■			

	UC-EM (10x8) 0825491	UC-EM (17,5x7,5) 0825495	UC-EM (20x9) 0825503
	UCT-EM (10x8) 0801485	UCT-EM (17,5x7,5) 0801482	UCT-EM (20x9) 0801471
Cross-reference list – Lumberg Automation			
ASB distributor M12 passive		■	
ASB distributor M8	■		
AS-Interface 0911 …			■
Compact bus modules active		■	
Valve connectors			■

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Equipment marking for other manufacturers

	UC-EM (17,5x8) 0825495	UC-EM (20x9) 0825503
	UCT-EM (17,5x8) 0801496	UCT-EM (20x9) 0801471
Cross-reference list – Moeller / Eaton		
Function relay DILET 11 …, DILET 70 …, EMR 4 …	■	
Basic device and extension module EASY 2 …, EASY 5 …, EASY 6 …, EASY 7 …, EASY 200 …	■	
Relay ZE …, ZEV …	■	
Contactor DILER …, DILEM …		■

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Equipment marking for other manufacturers

		UC3-TM 5 0822369		UC-EM (20x7) 0825499		UC-EM (20x9) 0825503
	UCT-EM (5x10) 0801497	UCT3-TM 5 0829251	UCT-EM (17x9) 0801475	UCT-EM (20x7) 0801494	UCT-EM (20x8) 0801477	UCT-EM (20x9) 0801471
		UM3-TM (5x8) 0830917				
Cross-reference list – Murr Elektronik						
AS-Interface system MASI 00/20					■	
AS-Interface system MASI 67					■	
AS-Interface system MASI 68					■	
CUBE 67					■	
Modlink data insert connector link				■		
Diode components						■
MKS diode components						■
EMC interference suppression modules DIL E						■
EMC interference suppression modules M	■					
EMC interference suppression module S2 … S6				■		
EMC interference suppression modules SO …				■		
Front plate interfaces				■		
MICO FUSE intelligent power distribution	■					
IMPACT 20 compact I/O modules					■	
IMPACT 67 compact I/O modules					■	
MKV Metall compact I/O modules					■	
Assembly modules						■
MKS assembly modules						■
AMMS / AMMDS optocoupler						■
MIRON optocoupler		■				■
Passive interface technology						■
Potentiometer blocks						■
MB redundancy module					■	
Evolution power supply unit					■	
Picco power supply unit					■	
MIRO safety relay						■
MICO overcurrent protective device					■	
MICO BASIC overcurrent protective device	■					
Valve connectors				■		
Plastic M12 distributor systems				■		
MSDS 8 plastic M12 distributor systems			■			
M12 metal distributor systems					■	
M8 distributor systems					■	

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Equipment marking for other manufacturers

		UC-EM (18x8) 0825497	UC-EM (21x8) 0825507
	UCT-EM (17x8) 0801842	UCT-EM (18x8) 0801488	UCT-EM (21x8) 0801489
Cross-reference list – Schneider Electric			
Special contactors GC 1610, GC 1611, GC 1620, GC 2502, GC 2510, GC 2511, GC 2520	■	■	
Preselection contactors GY 1611, GY 1620, GY 2511, GY 2520	■	■	
TeSys D series, D control relays, K control relays	■		
TeSys model U		■	
Standard contactors GC 1622, GC 1630, GC 1640, GC 2504, GC 2522, GC 2530, GC 2540	■		
Standard contactors 4002, 4004, 4011, 4020, 4022, 4030, 4040, 6302, 6304, 6311, 6320, 6322, 6330, 6340, 10020, 10040			■
Preselection contactors GY 1640, GY 2530, GY 2540, GY 4020, GY 4030, GY 4040, GY 6320, GY 6330, GY 6340			■
TeSys LD1 … motor adjustment combination			■
LD 4 … motor adjustment combination HL contactors			■
LD5 … motor output/reversing combination			■

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Equipment marking for other manufacturers

			UC-EM (20x9) 0825503
		UCT-EM (10x5) 0801470	UCT-EM (20x9) 0801471
	EML (10x4) 0815583		
Cross-reference list – Turck			
BL 67 modular I/O system in IP67	■		
Compact fieldbus I/O modules in IP67 for DeviceNet™			■
Compact fieldbus I/O modules in IP67 and IP20			■
Compact multi-protocol I/O modules in IP67 for Ethernet			■
Piconet extension modules		■	
Piconet compact I/O system in IP67		■	
Piconet coupling modules		■	
Piconet stand-alone modules for PROFIBUS DP		■	

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Equipment marking for other manufacturers

	UC-EM (10x7) 0825487	UC-EM (10x8) 0825491		UC-EM (20x7) 0825499	UC-EM (20x9) 0825503		
	UCT-EM (10x7) 0801498	UCT-EM (10x8) 0801485	UCT-EM (15x10) 0801504	UCT-EM (20x7) 0801494	UCT-EM (20x9) 0801471		
						US-EMT (13x109) 0803862	
						EMT (13x109)R 0803894	EMT (50x18,8)R 1003224
Cross-reference list – Siemens							
K20... AS-i compact module		■					
AS-i repeater, 4-way distributor, round cable distributor		■					
K45…/K60… AS-i safe module					■		
K45…/K60… AS-i slaves I/O module					■		
S22.5.../S45... AS-i slaves SlimLine				■			
AS-i slaves surge protection module		■					
AS-i slaves counter module, ground fault detection module				■			
ET 200X bus module, contact block, 3SB3 button, Signum button series, 3SB14… switching element		■					
CPU 1500 series						■	
EMC interference suppression module				■			
8WA1 808 end block					■		
ET 200 S							
ET 200 SP			■				
ET 200 SP HA							■
Solid-state relay, solid-state contactor, function module				■			
3RH 1921... auxiliary switch blocks	■			■			
Circuit breaker, el. overload relay, therm. overload relay				■			
K45/K60 mounting plate					■		
Motor management and control devices, time relays, monitoring relays, safety relays				■			
Motor circuit breakers				■			
S7-1500							
S7-300				■			
S7-400							
Soft starter, direct starter				■			
Contactor, auxiliary contactor, contactor combination, auxiliary switch block				■			

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Equipment marking for other manufacturers

	US-EMT (50/28x13) 0803853	US-EMT (50x26) 0803851		US-EMT (23x109) 0803858	US-EMT (31x12,5) 0803848	US-EMT (103x17) 0803846	US-EMT (103x23) 0803856
	EMT (50/28x13)R 0800049	EMT (50x26)R 0800052	EMT (Ex14)R 0803461	EMT (23x109)R 0803457	EMT (31x12,5)R 0801612	EMT (103x17)R 0800039	EMT (103x23)R 0800040
Cross-reference list – Siemens							
K20... AS-i compact module							
AS-i repeater, 4-way distributor, round cable distributor							
K45…/K60… AS-i safe module							
K45…/K60… AS-i slaves I/O module							
S22.5.../S45... AS-i slaves SlimLine							
AS-i slaves surge protection module							
AS-i slaves counter module, ground fault detection module							
ET 200X bus module, contact block, 3SB3 button, Signum button series, 3SB14... switching element							
CPU 1500 series							
EMC interference suppression module							
8WA1 808 end block							
ET 200 S	■	■					
ET 200 SP					■		
Solid-state relay, solid-state contactor, function module							
3RH 1921... auxiliary switch blocks							
Circuit breaker, el. overload relay, therm. overload relay							
K45/K60 mounting plate							
Motor management and control devices, time relays, monitoring relays, safety relays							
Motor circuit breakers							
S7-1500				■			
S7-300						■	■
S7-400			■				
Soft starter, direct starter							
Contactor, auxiliary contactor, contactor combination, auxiliary switch block							

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Equipment marking for other manufacturers

	UC1-TMF 5 0821425	UC2-TM 5 0821690	
	UCT1-TMF 5 0829237	UCT2-TM 5/6 0829249	UCT-EM (17x9) 0801475
	UM1-TMF (5x5) 0830911	UM2-TM (5/6x10) 0830911	
Cross-reference list – Wago			
Beckhoff Wago 12/7		■	
Bus module Wago 12/7		■	
D 4/6		■	
M 16/12		■	
M 4/6		■	
Series 750, 753, analog output terminal	■		
Series 750, 753, analog input terminal	■		
Series 750, 753, digital output terminal	■		
Series 750, 753, digital pulse interface	■		
Series 750, 753, digital input terminals	■		
Series 750, 753, I/O system	■		
Series 750, 753, relay output terminal	■		
Series 750, 753, serial interface	■		
Series 750, 753, Forward counter/reverse counter	■		
Series 750, DC drive controller	■		
Series 750, fieldbus coupler	■		
Series 750, incremental encoder interface	■		
Series 750, power-level terminal	■		
Series 750, proportional valve module	■		
Series 750, PTC terminal block	■		
Series 750, pulse width output counter	■		
Series 750, RTC module	■		
Series 750, PLC controller	■		
Series 750, SSI encoder interface	■		
Series 750, stepper controller	■		
Series 750, stepper servo	■		
Series 750, TTY interface	■		
Miniature circuit breaker			■

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Equipment marking for other manufacturers

	UC1-TMF 5 0821425	UC1-TM 5 0821784	UC1-TMF 6 0821483	UC1-TM 6 0821739	UC1-TM 6 0821739	UC1-TM 8 0821739	UC-EM (20x9) 0825503
	UCT1-TMF 5 0829237	UCT1-TM 5 0829482	UCT1-TMF 6 0829243	UCT1-TM 6 0829483	UCT1-TM 6 0829483		UCT-EM (20x9) 0801471
	UM1-TMF (5x5) 0830911	UM1-TM (5x10) 0830905	UM1-TMF (6x5) 0830904	UM1-TM (6x10) 0830903	UM1-TM (6x12) 0830909	UM1-TM (8x10) 0830906	
Cross-reference list – Weidmüller							
IP20 analog output modules						■	
IP20 analog input modules						■	
IP20 digital output modules						■	
IP20 digital input modules						■	
IP20 digital counters and communication modules						■	
IP20 feed-in modules						■	
M12 IDC							■
M12 power distributor							■
M12 push-pull							■
M12 distributor							■
M12 distributor, slim design	■						
M5 distributor	■						
M8 distributor	■						
MCZ-OVP-SERIES			■				
MCZ-SERIES solid-state relay					■		
MCZ-SERIES relay coupler					■		
MICROOPTO solid-state relay					■		
PROFIBUS IP20 fieldbus coupler						■	
IP20 modules, pulse width modulation						■	
SAI distributor M12 with M23							■
Safe I/O modules and IP20 feed-in modules						■	
IP20 temperature modules						■	
TERMOPTO solid-state relay					■		
TERMSERIES solid-state relay				■			
TERMSERIES relay coupler				■			
VARITECOR SPC base element	■						
VARITECOR SSC ...	■						
Valve lines							■
WAVESERIES measurement isolator		■					
WAVESERIES measuring transducer		■					
WAVESERIES measuring transducer		■					
WAVESERIES signal converter		■					
WAVESERIES path isolator		■					

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Markings for marker carriers from other manufacturers

	UC-EMP (17x15) 0825421	UC-EMLP (22x22) 0825463	UC-EMP (27x8) 0825427	UC-EMP (27x12,5) 0825433	UC-EMP (27x15) 0825439	UC-EMP (27x18) 0825445
	US-EMP (17x15) 0828774		US-EMP (27x8) 0828775	US-EMP (27x12,5) 0828776	US-EMP (27x15) 0828777	US-EMP (27x18) 0828778
Cross-reference list – CONTA-CLIP						
GST-H 27x8 BK			■			
GST-H 27x12,5 BK				■		
GST-H 27x18 BK						■
GST-H 27x27 BK						
GSU-H 17x15 BK	■					
GSU-H 27x15 BK					■	
GSU-H 49x15 BK						
GSU-H 60x15 BK						
GSU-H 60x30 BK						
GSU-H 85,4x54 BK						
Cross-reference list – ABB						
MA6-1060				■		
BSH-A			■			
BSH-B						■
Cross-reference list – Grafoplast						
SIT 0A06 …					■	
SIT 0A07 …						
SIT 0B05 …					■	
SIT 0B07 …					■	
SIT 0B08 …						
SIT 0B09 …			■			
Cross-reference list – Moeller						
M22S-ST-X						■
Cross-reference list – Murrplastik						
BT 15/27, BTK 15/27					■	
BT 15/49, BTK 15/49						
BT 22,5			■			
BTK 22,5			■			
BT-SR 15x27					■	
BT-SR 15x49						
BT-SR 27x12,5				■		
BT-SR 27x18						■
BT-SR 27x27						

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Markings for marker carriers from other manufacturers

	UC-EMP (27x27) 0825451	UC-EMP (49x15) 0825457	UC-EMP (60x15) 0822259	UC-EMP (60x30) 0822275	
			UCT-EMP(60x15) 1014119		
	US-EMP (27x27) 0828779	US-EMP (49x15) 0828780	US-EMP (60x15) 0828781	US-EMP (60x30) 0828782	US-EMP (85,6x54) 0828783
Cross-reference list – CONTA-CLIP					
GST-H 27x8 BK					
GST-H 27x12,5 BK					
GST-H 27x18 BK					
GST-H 27x27 BK	■				
GSU-H 17x15 BK					
GSU-H 27x15 BK					
GSU-H 49x15 BK		■			
GSU-H 60x15 BK			■		
GSU-H 60x30 BK				■	
GSU-H 85,4x54 BK					■
Cross-reference list – ABB					
MA6-1060					
BSH-A					
BSH-B					
Cross-reference list – Grafoplast					
SIT 0A06 …					
SIT 0A07 …		■			
SIT 0B05 …					
SIT 0B07 …					
SIT 0B08 …		■			
SIT 0B09 …					
Cross-reference list – Moeller					
M22S-ST-X					
Cross-reference list – Murrplastik					
BT 15/27, BTK 15/27					
BT 15/49, BTK 15/49		■			
BT 22,5					
BTK 22,5					
BT-SR 15x27					
BT-SR 15x49		■			
BT-SR 27x12,5					
BT-SR 27x18					
BT-SR 27x27	■				

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Markings for marker carriers from other manufacturers

	UC-EMP (17x15) 0825421	UC-EMLP (22x22) 0825463	UC-EMP (27x8) 0825427	UC-EMP (27x12,5) 0825433	UC-EMP (27x15) 0825439	UC-EMP (27x18) 0825445
	US-EMP (17x15) 0828774	US-EMLP (22x22) 0828783	US-EMP (27x8) 0828775	US-EMP (27x12,5) 0828776	US-EMP (27x15) 0828777	US-EMP (27x18) 0828778
Cross-reference list – Siemens						
3SB3922-0AY				■		
3SB3925-0AV						■
3SB1906-2AA						
3SB1906-2AW						
3SB38 empty enclosure		■				

Cross-reference list – Weidmüller						
SM-H 27/12.5 SW				■		
SM-H 27/18 SW						■
SM-H 27/27 SW						
CC-H 15/17	■					
CC-H 15/27					■	
CC-H 15/49						
CC-H 15/60						
CC-H 30/6						
LOGIMARK						

	UCT4-EMP (27x12,5) 1073985	UCT4-EMP (27x17,5) 1073987	UCT4-EMP (27x27) 1073990	UCT4-EMLP (27x12,5) 1056543	UCT4-EMLP (27x17,5) 1056547	UCT4-EMLP (27x27) 1056549
Cross-reference list – Siemens SIRIUS ACT						
3SU1900-0AG				■		
3SU1900-0AH					■	
3SU1900-0AJ						■
3SU1900-0AR	■					
3SU1900-0AS		■				
3SU1900-0AT			■			
3SU1900-0AN				■		
3SU1900-0AP					■	
3SU1900-0AQ						■
3SU1900-0AL						■
3SU1900-0AM						■
3SU1900-0AK				■		

	UC-EMLP (22x22) 0825463
Cross-reference list – Siemens SIRIUS ACT	
3SU18 …-0AA00-0AB …	■

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Markings for marker carriers from other manufacturers

	UC-EMP (27x27) 0825451	UC-EMP (49x15) 0825457	UC-EMP (60x15) 0822259	UC-EMP (60x30) 0822275	
			UCT-EMP (60x15) 1014119		
	US-EMP (27x27) 0828779	US-EMP (49x15) 0828780	US-EMP (60x15) 0828781	US-EMP (60x30) 0828782	US-EMP (85,6x54) 0828783
Cross-reference list – Siemens					
3SB3922-0AY					
3SB3925-0AV					
3SB1906-2AA	■				
3SB1906-2AW	■				
3SB38 empty enclosure					

Cross-reference list – Weidmüller					
SM-H 27/12.5 SW					
SM-H 27/18 SW					
SM-H 27/27 SW	■				
CC-H 15/17					
CC-H 15/27					
CC-H 15/49		■			
CC-H 15/60			■		
CC-H 30/6				■	
LOGIMARK					■

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Equipment marking, stainless steel and aluminum, for screwing or riveting



– The LS-EMSP ... product range is available in stainless steel (V4A) or aluminum. LS-EMSP ... provides markers for quick and easy fixing with screws or rivets
– The LS-EMSP-V4A ... product range is characterized in particular by its high resistance to salt water, chloride, and solvents. This makes it suitable for the most demanding industrial requirements.
– The LS-EMSP-V4A ... product group can be permanently marked in two ways: by engraving or annealing
– By selecting the material in the PROJECT complete planning and configuration software, the correct laser parameters are automatically transferred to TOPMARK ...
– Marking service: Phoenix Contact can custom-mark many markers according to your requirements
– **Designation example: LS-EMSP-V4A (39x15)**
Lettering field width: 39 mm
Lettering field height: 15 mm
Type of packaging: sheet

Notes:
For matching rivets for securing the LS-EMSP-V4A ... and LS-EMSP-AL ..., see the product area on our website at phoenixcontact.net/products.
Drilling diagrams can be found at phoenixcontact.net/products
[1]) From lettering field size of 110 x 80 to 170 x 180 mm, the material thickness is 1.5 mm.
[2]) For a lettering field size of 140 x 100 mm, the material thickness is 1.0 mm

Can be marked using:



Direct laser marking



Stainless steel, material thickness: 0.5 mm²)

Technical data

General data	
Can be marked with	TOPMARK NEO • TOPMARK LASER
Material	V4A
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone, halogen, and cadmium

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Marking label, with mounting holes 3.2 mm in diameter			
1 sheet = 24 labels	**LS-EMSP-V4A (39X15)**	0831653	5
1 sheet = 16 labels	**LS-EMSP-V4A (50X15)**	0831654	5
1 sheet = 10 labels	**LS-EMSP-V4A (50X30)**	0831655	5
1 sheet = 6 labels	**LS-EMSP-V4A (75,6X54)**	0831656	5
1 sheet = 2 labels	**LS-EMSP-V4A (90X60)**	0831657	5
1 sheet = 2 labels			
1 sheet = 1 label	**LS-EMSP-V4A (140X100) 1**	1030550	5
1 sheet = 2 labels			
1 sheet = 1 label			
1 sheet = 1 label			
Marking label, with mounting holes 3.2 mm in diameter			
1 sheet = 10 labels, red			
1 sheet = 10 labels, orange			
1 sheet = 10 labels, blue			
1 sheet = 10 labels, green			
1 sheet = 6 labels, red			
1 sheet = 6 labels, orange			
1 sheet = 6 labels, blue			
1 sheet = 6 labels, green			

Accessories

Adapter plate, for LS materials, for TOPMARK NEO	**TMN-ADAPTER PLATE-LS**	1012104	1
Sheet hopper, for TOPMARK LASER	**TOPMARK LASER-MAG SHEET**	0831836	1

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Aluminum, material thickness: 0.8 mm[1])



Aluminum, black, material thickness: 0.8 mm[1])



Aluminum, colored, material thickness: 0.8 mm

Technical data

TOPMARK NEO • TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMSP-AL (39X15)	0831615	5
LS-EMSP-AL (50X15)	0831616	5
LS-EMSP-AL (50X30)	0831617	5
LS-EMSP-AL (75,6X54)	0831618	5
LS-EMSP-AL (90X60)	0831619	5
LS-EMSP-AL (110X80)	0831620	5
LS-EMSP-AL (150X80)	0831621	5
LS-EMSP-AL (150X120)	0831622	5
LS-EMSP-AL (170X180)	0831623	5

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK NEO • TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMSP-AL (39X15) BK	0831626	5
LS-EMSP-AL (50X15) BK	0831627	5
LS-EMSP-AL (50X30) BK	0831628	5
LS-EMSP-AL (75,6X54) BK	0831629	5
LS-EMSP-AL (90X60) BK	0831630	5
LS-EMSP-AL (110X80) BK	0831631	5
LS-EMSP-AL (150X80) BK	0831632	5
LS-EMSP-AL (150X120) BK	0831633	5
LS-EMSP-AL (170X180) BK	0831634	5

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK NEO • TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMSP-AL (50X30) RD	0831637	5
LS-EMSP-AL (50X30) OG	0831641	5
LS-EMSP-AL (50X30) BU	0831645	5
LS-EMSP-AL (50X30) GN	0831649	5
LS-EMSP-AL (75,6X54) RD	0831638	5
LS-EMSP-AL (75,6X54) OG	0831642	5
LS-EMSP-AL (75,6X54) BU	0831646	5
LS-EMSP-AL (75,6X54) GN	0831650	5

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

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Equipment marking, self-adhesive, for screwing or riveting

new





Direct laser marking



Markers made of double-layer plastic

The LS-EMLSP ... product range includes double-layer plastic markers that can be quickly and easily attached with screws or rivets. The markers are also self-adhesive.

– By selecting the material in the PROJECT complete planning and configuration software, the correct laser parameters are automatically transferred to TOPMARK ...
– Marking service: Phoenix Contact can custom-mark many markers according to your requirements
– Designation example:
  LS-EMLSP (21,5X15) WH
  Lettering field width: 21.5 mm
  Lettering field height: 15 mm
  Type of packaging: sheet

Technical data

General data		
Can be marked with		TOPMARK LASER • TOPMARK NEO
Material		TRANSPLY-ABS
Temperature range	[°C]	-20 ... 85
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marking label, self-adhesive double-layer plastic labels with mounting holes 3.2 mm in diameter				
1 sheet = 50 labels	white	**LS-EMLSP (21,5X15) WH**	1045512	10
1 sheet = 24 labels	white	**LS-EMLSP (36,3X25) WH**	1058990	10
1 sheet = 8 labels	white	**LS-EMLSP (70,8X40) WH**	1069847	10

Accessories

Adapter plate, for LS materials, for TOPMARK NEO			
	TMN-ADAPTER PLATE-LS	1012104	1
Sheet hopper, for TOPMARK LASER			
	TOPMARK LASER-MAG SHEET	0831836	1

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Equipment marking, aluminum, stick-on

new



Can be marked using:



Direct laser marking



Stainless steel, material thickness: 0.5 mm

- The LS-EMLP ... product range is available in stainless steel (V4A) or aluminum. LS-EMLP ... includes self-adhesive markers with high adhesive strength
- The use of modern laser technology creates highly resistant and permanent markings
- By selecting the material in the PROJECT complete planning and configuration software, the correct laser parameters are automatically transferred to TOPMARK ...
- Marking service: Phoenix Contact can custom-mark many markers according to your requirements
- **Designation example: LS-EMLP-AL (27x15)**
  Lettering field width: 27 mm
  Lettering field height: 15 mm
  Type of packaging: sheet

Technical data

General data	
Can be marked with	TOPMARK NEO • TOPMARK LASER
Material	V4A
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone, halogen, and cadmium

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Marking label, stainless steel, self-adhesive			
1 sheet = 24 labels	**LS-EMLP-V4A (50X15)**	1019818	5
1 sheet = 16 labels	**LS-EMLP-V4A (60X15)**	1031604	5
1 sheet = 10 labels	**LS-EMLP-V4A (60X30)**	0803991	5
Marking label, aluminum, self-adhesive			
1 sheet = 36 labels			
1 sheet = 40 labels			
1 sheet = 35 labels			
1 sheet = 30 labels			
1 sheet = 24 labels			
1 sheet = 16 labels			
1 sheet = 10 labels			
1 sheet = 6 labels			
1 sheet = 2 labels			
Marking label, aluminum, self-adhesive			
1 sheet = 10 labels, red			
1 sheet = 10 labels, blue			
1 sheet = 10 labels, green			
1 sheet = 6 labels, red			
1 sheet = 6 labels, orange			
1 sheet = 6 labels, blue			
1 sheet = 6 labels, green			

Accessories

Adapter plate, for LS materials, for TOPMARK NEO	**TMN-ADAPTER PLATE-LS**	1012104	1
Sheet hopper, for TOPMARK LASER	**TOPMARK LASER-MAG SHEET**	0831836	1



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Aluminum, material thickness: 0.8 mm



Aluminum, black, material thickness: 0.8 mm



Aluminum, colored, material thickness: 0.8 mm

Technical data

TOPMARK NEO • TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMLP-AL (27X15)	0831580	5
LS-EMLP-AL (27X18)	0831581	5
LS-EMLP-AL (27X27)	0804298	5
LS-EMLP-AL (49X15)	0831582	5
LS-EMLP-AL (60X15)	0831583	5
LS-EMLP-AL (60X30)	0831584	5
LS-EMLP-AL (85,6X54)	0831585	5
LS-EMLP-AL (100X60)	0831586	5

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK NEO • TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMLP-AL (22X22) BK	1027217	5
LS-EMLP-AL (27X15) BK	0831589	5
LS-EMLP-AL (27X18) BK	0831590	5
LS-EMLP-AL (49X15) BK	0831591	5
LS-EMLP-AL (60X15) BK	0831592	5
LS-EMLP-AL (60X30) BK	0831593	5
LS-EMLP-AL (85,6X54) BK	0831594	5
LS-EMLP-AL (100X60) BK	0831595	5

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK NEO • TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMLP-AL (60X30) RD	0831598	5
LS-EMLP-AL (60X30) BU	0831606	5
LS-EMLP-AL (60X30) GN	0831610	5
LS-EMLP-AL (85,6X54) RD	0831599	5
LS-EMLP-AL (85,6X54) OG	0831603	5
LS-EMLP-AL (85,6X54) BU	0831607	5
LS-EMLP-AL (85,6X54) GN	0831611	5
LS-EMSP-AL (110X80) BU	1050854	5

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

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Equipment marking, aluminum, for snapping into marker carriers



Can be marked using:



Direct laser marking



Aluminum, material thickness: 0.8 mm

- The LS-EMP ... product range is available in stainless steel (V4A) or aluminum. LS-EMP ... includes markers that can be quickly and easily fitted in CARRIER-EMP ... label frames
- The use of modern laser technology creates highly resistant and permanent markings
- By selecting the material in the PROJECT complete planning and configuration software, the correct laser parameters are automatically transferred to TOPMARK ...
- Marking service: Phoenix Contact can custom-mark many markers according to your requirements
- **Designation example: LS-EMP-AL (27x15)**
  Lettering field width: 27 mm
  Lettering field height: 15 mm
  Type of packaging: sheet

Technical data

General data	
Can be marked with	TOPMARK NEO • TOPMARK LASER
Material	Aluminum
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone, halogen, and cadmium

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Marking label, aluminum, can be snapped into marker carriers			
1 sheet = 40 labels	**LS-EMP-AL (27X15)**	0831661	5
1 sheet = 35 labels	**LS-EMP-AL (27X18)**	0831662	5
1 sheet = 24 labels	**LS-EMP-AL (49X15)**	0831663	5
1 sheet = 16 labels	**LS-EMP-AL (60X15)**	0831664	5
1 sheet = 10 labels	**LS-EMP-AL (60X30)**	0831665	5
1 sheet = 6 labels	**LS-EMP-AL (85,6X54)**	0831666	5
1 sheet = 2 labels	**LS-EMP-AL (100X60)**	0831667	5

Accessories

Adapter plate, for LS materials, for TOPMARK NEO	**TMN-ADAPTER PLATE-LS**	1012104	1
Sheet hopper, for TOPMARK LASER	**TOPMARK LASER-MAG SHEET**	0831836	1
Marker carriers, for snap-in labels			
Marker size: 27 x 15 mm	**CARRIER-EMP (27X15)**	0827451	80
Marker size: 49 x 15 mm	**CARRIER-EMP (49X15)**	0827452	40
Marker size: 60 x 15 mm	**CARRIER-EMP (60X15)**	0827453	40
Marker size: 60 x 30 mm	**CARRIER-EMP (60X30)**	0827454	30
Marker size: 85 x 54 mm	**CARRIER-EMP (85,6X54)**	0829365	10
Marker carriers, for snap-in labels, for buttons and switches 22 mm in diameter			
Marker size: 27 x 15 mm	**CARRIER-EMP 22 (27X15)**	0827447	50
Marker size: 27 x 18 mm	**CARRIER-EMP 22 (27X18)**	0827448	50



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new



Aluminum, black, material thickness: 0.8 mm

Technical data

TOPMARK NEO • TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
Free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMP-AL (27X15) BK	**0831669**	5
LS-EMP-AL (27X18) BK	**0831670**	5
LS-EMP-AL (49X15) BK	**0831671**	5
LS-EMP-AL (60X15) BK	**0831672**	5
LS-EMP-AL (60X30) BK	**0831673**	5
LS-EMP-AL (85,6X54) BK	**0831674**	5
LS-EMP-AL (100X60) BK	**0831675**	5

Accessories

TMN-ADAPTER PLATE-LS	**1012104**	1
TOPMARK LASER-MAG SHEET	**0831836**	1
CARRIER-EMP (27X15)	**0827451**	80
CARRIER-EMP (49X15)	**0827452**	40
CARRIER-EMP (60X15)	**0827453**	40
CARRIER-EMP (60X30)	**0827454**	30
CARRIER-EMP (85,6X54)	**0829365**	10
CARRIER-EMP 22 (27X15)	**0827447**	50
CARRIER-EMP 22 (27X18)	**0827448**	50

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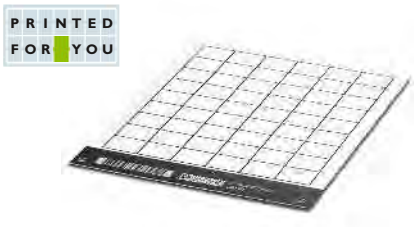
Equipment marking, plastic, stick-on

Can be marked using:





Direct laser marking



TRANSPLY-ABS, white, material thickness: 0.8 mm

- The LS-EMLP ... product range includes self-adhesive double-layer plastic device markers
- A wide range of different marker sizes is available for custom designs
- By selecting the material in the PROJECT complete planning and configuration software, the correct laser parameters are automatically transferred to TOPMARK ...
- Marking service: Phoenix Contact can custom-mark many markers according to your requirements
- **Designation example:**
  LS-EMLP (11x9) WH
  Lettering field width: 11 mm
  Lettering field height: 9 mm
  Type of packaging: sheet

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER
Material		TRANSPLY-ABS
Temperature range	[°C]	-20 ... 85
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

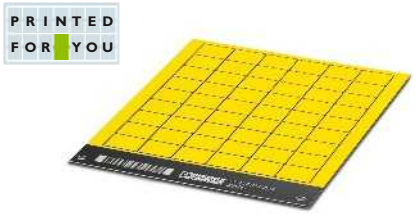
Description	Type	Order No.	Pcs./Pkt.
Plastic label sheet, self-adhesive double-layer plastic labels			
1 sheet = 255 labels	**LS-EMLP (11X9) WH**	0831678	10
1 sheet = 221 labels	**LS-EMLP (13X9) WH**	0831679	10
1 sheet = 220 labels	**LS-EMLP (17X7) WH**	0831680	10
1 sheet = 170 labels	**LS-EMLP (17X9) WH**	0831681	10
1 sheet = 130 labels	**LS-EMLP (17,5X12) WH**	0831682	10
1 sheet = 100 labels	**LS-EMLP (17,5X15) WH**	0831683	10
1 sheet = 176 labels	**LS-EMLP (20X7) WH**	0831684	10
1 sheet = 160 labels	**LS-EMLP (20X8) WH**	0831685	10
1 sheet = 104 labels	**LS-EMLP (22X12) WH**	0831686	10
1 sheet = 56 labels	**LS-EMLP (22X22) WH**	0831687	10
1 sheet = 120 labels	**LS-EMLP (27X8) WH**	0831688	10
1 sheet = 78 labels	**LS-EMLP (27X12,5) WH**	0831689	10
1 sheet = 60 labels	**LS-EMLP (27X15) WH**	0831690	10
1 sheet = 54 labels	**LS-EMLP (27X18) WH**	0831691	10
1 sheet = 36 labels	**LS-EMLP (27X27) WH**	0831692	10
1 sheet = 33 labels	**LS-EMLP (45X14) WH**	0831693	10
1 sheet = 30 labels	**LS-EMLP (45X15) WH**	0831694	10
1 sheet = 30 labels	**LS-EMLP (49X15) WH**	0831695	10
1 sheet = 20 labels	**LS-EMLP (60X15) WH**	0831696	10
1 sheet = 10 labels	**LS-EMLP (60X30) WH**	0831697	10
1 sheet = 16 labels			
1 sheet = 8 labels	**LS-EMLP (80X40) WH**	0804483	10
1 sheet = 6 labels	**LS-EMLP (85,6X54) WH**	0831698	10
1 sheet = 2 labels	**LS-EMLP (100X60) WH**	0831699	10
1 sheet = 1 label	**LS-EMLP (180X180) WH**	0804346	10

Accessories

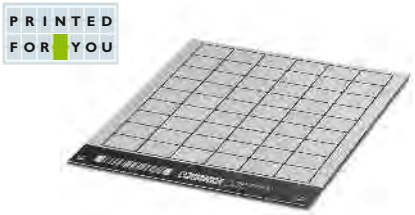
Adapter plate, for LS materials, for TOPMARK NEO			
	TMN-ADAPTER PLATE-LS	1012104	1
Sheet hopper, for TOPMARK LASER			
	TOPMARK LASER-MAG SHEET	0831836	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



TRANSPLY-ABS, yellow, material thickness: 0.8 mm



TRANSPLY-ABS, silver, material thickness: 0.8 mm

Technical data

TOPMARK NEO • TOPMARK LASER
TRANSPLY-ABS
-20 ... 85
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMLP (11X9) YE	0831732	10
LS-EMLP (13X9) YE	0831733	10
LS-EMLP (17X7) YE	0831734	10
LS-EMLP (17X9) YE	0831735	10
LS-EMLP (17,5X12) YE	0831736	10
LS-EMLP (17,5X15) YE	0831737	10
LS-EMLP (20X7) YE	0831738	10
LS-EMLP (20X8) YE	0831739	10
LS-EMLP (22X12) YE	0831740	10
LS-EMLP (22X22) YE	0831741	10
LS-EMLP (27X8) YE	0831742	10
LS-EMLP (27X12,5) YE	0831743	10
LS-EMLP (27X15) YE	0831744	10
LS-EMLP (27X18) YE	0831745	10
LS-EMLP (27X27) YE	0831746	10
LS-EMLP (45X14) YE	0831747	10
LS-EMLP (45X15) YE	0831748	10
LS-EMLP (49X15) YE	0831749	10
LS-EMLP (60X15) YE	0831750	10
LS-EMLP (60X30) YE	0831751	10
LS-EMLP (72X20) YE	0804372	10
LS-EMLP (85,6X54) YE	0831752	10
LS-EMLP (100X60) YE	0831753	10
LS-EMLP (180X180) YE	0804348	10

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK NEO • TOPMARK LASER
TRANSPLY-ABS
-20 ... 85
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMLP (11X9) SR	0831705	10
LS-EMLP (13X9) SR	0831706	10
LS-EMLP (17X7) SR	0831707	10
LS-EMLP (17X9) SR	0831708	10
LS-EMLP (17,5X12) SR	0831709	10
LS-EMLP (17,5X15) SR	0831710	10
LS-EMLP (20X7) SR	0831711	10
LS-EMLP (20X8) SR	0831712	10
LS-EMLP (22X12) SR	0831713	10
LS-EMLP (22X22) SR	0831714	10
LS-EMLP (27X8) SR	0831715	10
LS-EMLP (27X12,5) SR	0831716	10
LS-EMLP (27X15) SR	0831717	10
LS-EMLP (27X18) SR	0831718	10
LS-EMLP (27X27) SR	0831719	10
LS-EMLP (45X14) SR	0831720	10
LS-EMLP (45X15) SR	0831721	10
LS-EMLP (49X15) SR	0831722	10
LS-EMLP (60X15) SR	0831723	10
LS-EMLP (60X30) SR	0831724	10
LS-EMLP (85,6X54) SR	0831725	10
LS-EMLP (100X60) SR	0831726	10
LS-EMLP (180X180) SR	0804347	10

Accessories

TMN-ADAPTER PLATE-LS	1012104	1
TOPMARK LASER-MAG SHEET	0831836	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Equipment marking, plastic, stick-on, with hole for switch



- The LS-EMLP 24/ 30/ 32 ... product range includes self-adhesive double-layer plastic device markers. The markers have a hole for switches
- A wide range of different marker sizes is available for custom designs
- By selecting the material in the PROJECT complete planning and configuration software, the correct laser parameters are automatically transferred to TOPMARK ...
- Marking service: Phoenix Contact can custom-mark many markers according to your requirements
- **Designation example:**
  LS-EMLP 24 (30x12) WH
  Lettering field size: 30 x 12 mm
  Hole diameter for switch: 24 mm,
  white material with black marking

Can be marked using:



Direct laser marking



TRANSPLY-ABS, colored, material thickness: 0.8 mm

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER
Material		TRANSPLY-ABS
Temperature range	[°C]	-20 ... 85
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plastic label sheet, with hole for switch, diameter: 24 mm, self-adhesive double-layer plastic labels				
1 sheet = 20 labels	white	**LS-EMLP 24 (30X12) WH**	0831700	10
1 sheet = 20 labels	yellow	**LS-EMLP 24 (30X12) YE**	0831754	10
1 sheet = 20 labels	silver	**LS-EMLP 24 (30X12) SR**	0831727	10
Plastic label sheet, with hole for switch, diameter: 30 mm, self-adhesive double-layer plastic labels				
1 sheet = 9 labels	white	**LS-EMLP 30 (45X10) WH**	0831701	10
1 sheet = 9 labels	yellow	**LS-EMLP 30 (45X10) YE**	0831755	10
1 sheet = 9 labels	silver	**LS-EMLP 30 (45X10) SR**	0831728	10
Plastic label sheet, with hole for switch, diameter: 32 mm, self-adhesive double-layer plastic labels				
1 sheet = 12 labels	white	**LS-EMLP 32 (38X14) WH**	0831702	10
1 sheet = 12 labels	yellow	**LS-EMLP 32 (38X14) YE**	0831756	10
1 sheet = 12 labels	silver	**LS-EMLP 32 (38X14) SR**	0831729	10

Accessories

Adapter plate, for LS materials, for TOPMARK NEO		
TMN-ADAPTER PLATE-LS	1012104	1
Sheet hopper, for TOPMARK LASER		
TOPMARK LASER-MAG SHEET	0831836	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Equipment marking, laser foil, stick-on



Can be marked using:



Direct laser marking



Polyacrylate, black-white

- The LS-EML ... product range includes self-adhesive, double-layer plastic foil labels that can be custom designed
- The laser foil is characterized by its high heat resistance and particularly strong adhesive properties
- By selecting the material in the PROJECT complete planning and configuration software, the correct laser parameters are automatically transferred to TOPMARK ...
- Marking service: Phoenix Contact can custom-mark many markers according to your requirements
- **Designation example: LS-EML (180x180) BK-WH**
  Lettering field width: 180 mm
  Lettering field height: 180 mm
  Foil color: black
  Marking color: white
  Type of packaging: sheet

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER
Material		Polyacrylate
Temperature range	[°C]	-40 ... 300
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Laser foil, double-layer plastic foil, for custom label design Lettering field size: 180 x 180 mm	**LS-EML (180X180) BK-WH**	0831784	10

Accessories

Adapter plate, for LS materials, for TOPMARK NEO	**TMN-ADAPTER PLATE-LS**	1012104	1
Sheet hopper, for TOPMARK LASER	**TOPMARK LASER-MAG SHEET**	0831836	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

Stick-on aluminum device marking



– The EMLP-AL... aluminum product range provides self-adhesive device markers with high adhesive strength
– The markers can be marked quickly, easily, and cost-effectively with the BLUEMARK printing systems
– Marking service: Phoenix Contact can custom-mark EMLP-AL ... markers according to your requirements



– A wide range of different marker sizes is available for custom designs. Formats from 27 x 15 to 100 x 60 mm cover the entire range of equipment and plant marking.



– Using modern UV LED printing technology, highly resistant and optimum printing quality can be achieved, which is resistant to solvents. The print quality is even suitable for use under harsh industrial conditions



– In conjunction with magazines, optimum printing accuracy is guaranteed
– In addition, up to 20 magazines can be automatically fed in for the BLUEMARK ID printing systems

Can be marked using:

UV

UV LED technology

General data	
Can be marked with	
Material	
Wipe resistance	

Description	Color
Marking label, aluminum, self-adhesive, can be snapped in, 0.8 mm thick	
Lettering field size: 27 x 15 mm	aluminum color
Lettering field size: 27 x 18 mm	aluminum color
Lettering field size: 27 x 27 mm	aluminum color
Lettering field size: 49 x 15 mm	aluminum color
Lettering field size: 60 x 15 mm	aluminum color
Lettering field size: 60 x 30 mm	aluminum color
Lettering field size: 85.6 x 54 mm	aluminum color
Lettering field size: 100 x 60 mm	aluminum color

Magazines, for BLUEMARK printers
for accommodating EMP-AL (27X15), EMLP-AL (27X15)
for accommodating EMP-AL (27X18), EMLP-AL (27X18)
for accommodating EMP-AL (27x27)
for accommodating EMP-AL (49X15), EMLP-AL (49X15), EMSP-AL (39X15)
for accommodating EMP-AL (60X15), EMLP-AL (60X15), EMSP-AL (50X15)
for accommodating EMP-AL (60X30), EMLP-AL (60X30), and ...-EX versions, EMSP-AL (50X30)
for accommodating EMP-AL (85,6X54), EMLP-AL (85,6X54), and ...-EX versions, EMSP-AL (75,6X54)
for accommodating EMLP-AL (100X60) and ...-EX versions, EMSP-AL (90X60)

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

PRINTED FOR YOU



Aluminum, material thickness: 0.8 mm

Technical data

BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED

Aluminum
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
EMLP-AL (27X15)	0830508	90
EMLP-AL (27X18)	0830509	90
EMLP-AL (27X27)	1011796	90
EMLP-AL (49X15)	0830511	45
EMLP-AL (60X15)	0830512	45
EMLP-AL (60X30)	0830513	45
EMLP-AL (85,6X54)	0830514	15
EMLP-AL (100X60)	0830515	15

Accessories

BLUEMARK MAG EM-M (27X15)	0802736	1
BLUEMARK MAG EM-M (27X18)	0802737	1
BLUEMARK MAG EM-M (27X27)	1011801	1
BLUEMARK MAG EM-M (49X15)	0802738	1
BLUEMARK MAG EM-M (60X15)	0802739	1
BLUEMARK MAG EM-M (60X30)	0802740	1
BLUEMARK MAG EM-M (85,6X54)	0802741	1
BLUEMARK MAG EM-M (100X60)	0802742	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Aluminum equipment marking for screwing or riveting



- The aluminum EMSP-AL ... product range includes markers that can be quickly and easily fitted with screws or rivets and is characterized by:
- Double-sided marking option
- High-quality appearance
- The markers can be marked quickly, easily, and cost-effectively with the BLUEMARK printing systems
- Using modern UV LED printing technology, highly resistant and optimum printing quality can be achieved, which is resistant to solvents. The print quality is even suitable for use under harsh industrial conditions
- In conjunction with magazines, optimum printing accuracy is guaranteed
- Marking service: Phoenix Contact can custom-mark many EMSP-AL ... markers according to your requirements

Notes:

For corresponding rivets for fixing the EMSP-AL ..., see page 397.

Drilling diagrams can be found at phoenixcontact.net/products

Can be marked using:

UV

UV LED technology

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Aluminum, material thickness: 0.8 mm

Technical data

General data	
Can be marked with	BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED
Material	Aluminum
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marking label, aluminum, 0.8 mm thick, with mounting holes 3.2 mm in diameter				
Lettering field size: 39 x 15 mm	aluminum color	**EMSP-AL (39X15)**	0830510	45
Lettering field size: 50 x 15 mm	aluminum color	**EMSP-AL (50X15)**	0830773	45
Lettering field size: 50 x 30 mm	aluminum color	**EMSP-AL (50X30)**	0830502	45
Lettering field size: 75.6 x 54 mm	aluminum color	**EMSP-AL (75,6X54)**	0830503	15
Lettering field size: 90 x 60 mm	aluminum color	**EMSP-AL (90X60)**	0830504	15

Accessories

Magazines, for BLUEMARK printers			
for accommodating EMP-AL (49X15), EMLP-AL (49X15), EMSP-AL (39X15)	**BLUEMARK MAG EM-M (49X15)**	0802738	1
for accommodating EMP-AL (60X15), EMLP-AL (60X15), EMSP-AL (50X15)	**BLUEMARK MAG EM-M (60X15)**	0802739	1
for accommodating EMP-AL (60X30), EMLP-AL (60X30), and ...-EX versions, EMSP-AL (50X30)	**BLUEMARK MAG EM-M (60X30)**	0802740	1
for accommodating EMP-AL (85,6X54), EMLP-AL (85,6X54), and ...-EX versions, EMSP-AL (75,6X54)	**BLUEMARK MAG EM-M (85,6X54)**	0802741	1
for accommodating EMLP-AL (100X60) and ...-EX versions, EMSP-AL (90X60)	**BLUEMARK MAG EM-M (100X60)**	0802742	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Aluminum equipment marking for snapping into marker carriers



- The aluminum EMP-AL ... product range includes markers that can be quickly and easily fitted into existing CARRIER-EMP ... label frames and is characterized by:
- Double-sided marking option
- The markers can be marked quickly, easily, and cost-effectively with the BLUEMARK printing systems
- Using modern UV LED printing technology, highly resistant and optimum printing quality can be achieved, which is resistant to solvents. The print quality is even suitable for use under harsh industrial conditions
- In conjunction with magazines, optimum printing accuracy is guaranteed
- Marking service: Phoenix Contact can custom-mark many EMLP-AL ... markers according to your requirements

Can be marked using:

UV

UV LED technology

PRINTED FOR YOU



Aluminum, material thickness: 0.8 mm

Technical data

General data	
Can be marked with	BLUEMARK ID • BLUEMARK ID COLOR • BLUEMARK CLED
Material	Aluminum
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marking label, aluminum, 0.8 mm thick, can be snapped into marker carriers				
Lettering field size: 27 x 15 mm	aluminum color	**EMP-AL (27X15)**	0830776	90
Lettering field size: 27 x 18 mm	aluminum color	**EMP-AL (27X18)**	0830777	90
Lettering field size: 49 x 15 mm	aluminum color	**EMP-AL (49X15)**	0830778	45
Lettering field size: 60 x 15 mm	aluminum color	**EMP-AL (60X15)**	0830779	45
Lettering field size: 60 x 30 mm	aluminum color	**EMP-AL (60X30)**	0830796	45
Lettering field size: 85.6 x 54 mm	aluminum color	**EMP-AL (85,6X54)**	0830797	15

Accessories

Magazines, for BLUEMARK printers			
for accommodating EMP-AL (27X15), EMLP-AL (27X15)	**BLUEMARK MAG EM-M (27X15)**	0802736	1
for accommodating EMP-AL (27X18), EMLP-AL (27X18)	**BLUEMARK MAG EM-M (27X18)**	0802737	1
for accommodating EMP-AL (49X15), EMLP-AL (49X15), EMSP-AL (39X15)	**BLUEMARK MAG EM-M (49X15)**	0802738	1
for accommodating EMP-AL (60X15), EMLP-AL (60X15), EMSP-AL (50X15)	**BLUEMARK MAG EM-M (60X15)**	0802739	1
for accommodating EMP-AL (60X30), EMLP-AL (60X30), and ...-EX versions, EMSP-AL (50X30)	**BLUEMARK MAG EM-M (60X30)**	0802740	1
for accommodating EMP-AL (85,6X54), EMLP-AL (85,6X54), and ...-EX versions, EMSP-AL (75,6X54)	**BLUEMARK MAG EM-M (85,6X54)**	0802741	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenseng.com - www.stevenengineering.com

Stick-on UniCard equipment marking

Can be marked using:



UV LED technology

Plotter



Unmarked or marked according to customer specifications

- The UC-EMLP ... UniCard marking range includes self-adhesive device markers with good adhesive properties
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements



Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, with self-adhesive plastic labels				
10-section, lettering field size: 11 x 9 mm	white	**UC-EMLP (11X9)**	0819291	10
	yellow	**UC-EMLP (11X9) YE**	0822602	10
	silver	**UC-EMLP (11X9) SR**	0828094	10
10-section, lettering field size: 15 x 5 mm	white	**UC-EMLP (15X5)**	0819301	10
	yellow	**UC-EMLP (15X5) YE**	0822615	10
	silver	**UC-EMLP (15X5) SR**	0828095	10
10-section, lettering field size: 17 x 9 mm	white	**UC-EMLP (17X9)**	0819314	10
	yellow	**UC-EMLP (17X9) YE**	0822628	10
	silver	**UC-EMLP (17X9) SR**	0828096	10
10-section, lettering field size: 17 x 15 mm	white	**UC-EMLP (17X15)**	0827885	10
	yellow	**UC-EMLP (17X15) YE**	0827886	10
	silver	**UC-EMLP (17X15) SR**	0827887	10
10-section, lettering field size: 20 x 8 mm	white	**UC-EMLP (20X8)**	0819327	10
	yellow	**UC-EMLP (20X8) YE**	0822631	10
	silver	**UC-EMLP (20X8) SR**	0828097	10
6-section, lettering field size: 22 x 22 mm	white	**UC-EMLP (22X22)**	0825463	10
	yellow	**UC-EMLP (22X22) YE**	0825464	10
	silver	**UC-EMLP (22X22) SR**	0825465	10
8-section, lettering field size: 27 x 12.5 mm	white	**UC-EMLP (27X12,5)**	0825469	10
	yellow	**UC-EMLP (27X12,5) YE**	0825470	10
	silver	**UC-EMLP (27X12,5) SR**	0825471	10
	blue	**UC-EMLP (27X12,5) BU**	0830853	10
	green	**UC-EMLP (27X12,5) GN**	0830854	10
8-section, lettering field size: 27 x 15 mm	white	**UC-EMLP (27X15)**	0827894	10
	yellow	**UC-EMLP (27X15) YE**	0827895	10
	silver	**UC-EMLP (27X15) SR**	0827896	10
8-section, lettering field size: 27 x 18 mm	white	**UC-EMLP (27X18)**	0825475	10
	yellow	**UC-EMLP (27X18) YE**	0825476	10
	silver	**UC-EMLP (27X18) SR**	0825477	10
6-section, lettering field size: 27 x 27 mm	white	**UC-EMLP (27X27)**	0825481	10
	yellow	**UC-EMLP (27X27) YE**	0825482	10
	silver	**UC-EMLP (27X27) SR**	0825483	10
4-section, lettering field size: 49 x 15 mm	white	**UC-EMLP (49X15)**	0827903	10
	silver	**UC-EMLP (49X15) SR**	0827905	10
	yellow	**UC-EMLP (49X15) YE**	0827904	10
4-section, lettering field size: 60 x 15 mm	white	**UC-EMLP (60X15)**	0819330	10
	yellow	**UC-EMLP (60X15) YE**	0822644	10
	silver	**UC-EMLP (60X15) SR**	0828088	10
3-section, lettering field size: 60 x 30 mm	white	**UC-EMLP (60X30)**	0819343	10
	yellow	**UC-EMLP (60X30) YE**	0822657	10
	silver	**UC-EMLP (60X30) SR**	0828091	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK			
	P1 UC-MAG 6	5146121	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Stick-on UniCard equipment marking for applications in process engineering



- The UC-EMLP ...-EX UniCard marking range includes self-adhesive device markers with good adhesive properties
- The marking satisfies requirements in terms of legibility, adhesion, and wipe resistance in potentially explosive areas (ATEX), in accordance with IEC/EN 60079-0, and these requirements are still met following storage in typical gas atmospheres.
  Phoenix Contact developed these sheets specifically for process engineering, which is where these requirements typically arise. These sheets meet the requirements for wipe resistance in accordance with DIN EN 61010-1 against aggressive media such as acetone, ethanol, and MEK
- Thanks to the special adhesive, the marker satisfies the stringent requirements of process engineering
- The BLUEMARK printing systems mark the markers quickly, easily, and cost-effectively
- Using modern UV LED printing technology, highly resistant and optimum printing quality can be achieved, which is resistant to solvents. The print quality is even suitable for use under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Can be marked using:



UV LED technology



Plotter



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, with self-adhesive plastic labels				
6-section, lettering field size: 22 x 22 mm	white	**UC-EMLP (22X22)-EX**	0803224	10
8-section, lettering field size: 27 x 18 mm	white	**UC-EMLP (27X18)-EX**	0803225	10
6-section, lettering field size: 27 x 27 mm	white	**UC-EMLP (27X27)-EX**	0803226	10
4-section, lettering field size: 49 x 15 mm	white	**UC-EMLP (49X15)-EX**	0803227	10
3-section, lettering field size: 60 x 30 mm	white	**UC-EMLP (60X30)-EX**	0803228	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK				
		P1 UC-MAG 6	5146121	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard equipment marking for screwing or riveting



Can be marked using:

UV LED technology

Plotter



Unmarked or marked according to customer specifications

- The UC-EMSP ... UniCard marking range includes markers that can be attached using screws or rivets
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

For corresponding rivet for fixing the UC-EMSP ..., see page 397.

Drilling diagrams can be found at phoenixcontact.net/products

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, plastic labels with mounting holes 3.2 mm in diameter				
4-section, lettering field size: 50 x 15 mm	white	**UC-EMSP (50X15)**	0828706	10
	yellow	**UC-EMSP (50X15) YE**	0828707	10
	silver	**UC-EMSP (50X15) SR**	0828708	10
	blue	**UC-EMSP (50X15) BU**	0803134	10
	red	**UC-EMSP (50X15) RD**	0803135	10
3-section, lettering field size: 50 x 30 mm	white	**UC-EMSP (50X30)**	0828709	10
	yellow	**UC-EMSP (50X30) YE**	0828710	10
	silver	**UC-EMSP (50X30) SR**	0828711	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK			
		P1 UC-MAG 6	5146121	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard equipment marking for snapping into marker carriers



- The UC-EMP ... UniCard marking range includes markers that can be fitted into existing CARRIER-EMP ... label frames
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

For corresponding label frames, see page 348.

Can be marked using:



UV LED technology



Plotter



Unmarked or marked according to customer specifications

Technical data

General data	
Can be marked with	BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material	PA
Flammability rating in accordance with UL 94	V2
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, 1.2 mm thick				
8-section, lettering field size: 17 x 15 mm	white	**UC-EMP (17X15)**	0825421	10
	yellow	**UC-EMP (17X15) YE**	0825422	10
	silver	**UC-EMP (17X15) SR**	0825423	10
8-section, lettering field size: 27 x 15 mm	white	**UC-EMP (27X15)**	0825439	10
	yellow	**UC-EMP (27X15) YE**	0825440	10
	silver	**UC-EMP (27X15) SR**	0825441	10
4-section, lettering field size: 49 x 15 mm	white	**UC-EMP (49X15)**	0825457	10
	yellow	**UC-EMP (49X15) YE**	0825458	10
	silver	**UC-EMP (49X15) SR**	0825459	10
4-section, lettering field size: 60 x 15 mm	white	**UC-EMP (60X15)**	0822259	10
	yellow	**UC-EMP (60X15) YE**	0825330	10
	silver	**UC-EMP (60X15) SR**	0827647	10
3-section, lettering field size: 60 x 30 mm	white	**UC-EMP (60X30)**	0822275	10
	yellow	**UC-EMP (60X30) YE**	0825331	10
	silver	**UC-EMP (60X30) SR**	0827648	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK		
P1 UC-MAG 6	5146121	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

UniCard equipment marking for snapping into marker carriers



- The UC-EMP ... UniCard marking range includes markers for all applications
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The UC-EMP ... device markers are ideal for fitting into existing CARRIER-EMP ... label frames
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Notes:

For corresponding label frames, see page 348.

Can be marked using:



UV LED technology



Plotter



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, 1.2 mm thick				
10-section, lettering field size: 27 x 8 mm	white	**UC-EMP (27X8)**	0825427	10
	yellow	**UC-EMP (27X8) YE**	0825428	10
	silver	**UC-EMP (27X8) SR**	0825429	10
8-section, lettering field size: 27 x 12.5 mm	white	**UC-EMP (27X12,5)**	0825433	10
	yellow	**UC-EMP (27X12,5) YE**	0825434	10
	silver	**UC-EMP (27X12,5) SR**	0825435	10
8-section, lettering field size: 27 x 15 mm	white	**UC-EMP (27X15)**	0825439	10
	yellow	**UC-EMP (27X15) YE**	0825440	10
	silver	**UC-EMP (27X15) SR**	0825441	10
8-section, lettering field size: 27 x 18 mm	white	**UC-EMP (27X18)**	0825445	10
	yellow	**UC-EMP (27X18) YE**	0825446	10
	silver	**UC-EMP (27X18) SR**	0825447	10
6-section, lettering field size: 27 x 27 mm	white	**UC-EMP (27X27)**	0825451	10
	yellow	**UC-EMP (27X27) YE**	0825452	10
	silver	**UC-EMP (27X27) SR**	0825453	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK		
P1 UC-MAG 6	5146121	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard equipment marking for devices from various manufacturers



- The UC-EM ... UniCard marking range includes markers for devices and switching devices from a wide variety of manufacturers
- An overview of the devices that support marking and the relevant manufacturers can be found starting on page 262
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Can be marked using:



UV LED technology



Plotter



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Number of individual labels		20
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking devices from the following manufacturers: Siemens				
Lettering field size: 10 x 7 mm	white	**UC-EM (10X7)**	**0825487**	10
Lettering field size: 10 x 7 mm	turquoise	**UC-EM (10X7) TQ**	**0825488**	10
UniCard, for marking devices from the following manufacturers: Bosch, ifm-electronic, Lumberg, Pepperl & Fuchs, Siemens				
Lettering field size: 10 x 8 mm	white	**UC-EM (10X8)**	**0825491**	10
Lettering field size: 10 x 8 mm	turquoise	**UC-EM (10X8) TQ**	**0825492**	10
UniCard, for marking devices from the following manufacturers: ABB, Lumberg				
Lettering field size: 17.5 x 7.5 mm	white	**UC-EM (17,5X7,5)**	**0825495**	10
UniCard, for marking devices from the following manufacturers: ABB, ifm-electronic, Moeller, Murr Elektronik				
Lettering field size: 17.5 x 8 mm	white	**UC-EM (17,5X8)**	**0823766**	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK		
P1 UC-MAG 6	**5146121**	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenseng.com - www.stevenengineering.com

UniCard equipment marking for devices from various manufacturers



- The UC-EM ... UniCard marking range includes markers for devices and switching devices from a wide variety of manufacturers
- An overview of the devices that support marking and the relevant manufacturers can be found starting on page 262
- The BLUEMARK printing systems mark the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Can be marked using:



UV LED technology



Plotter



Unmarked or marked according to customer specifications

Technical data

General data	
Can be marked with	BLUEMARK ID • BLUEMARK ID COLOR • BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Number of individual labels	20
Material	PA
Flammability rating in accordance with UL 94	V2
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking devices from the following manufacturers: Murr Elektronik, Phoenix Contact, Weidmüller				
Lettering field size: 17.5 x 9 mm	white	**UC-EM (17,5X9)**	0827490	10
	yellow	**UC-EM (17,5X9) YE**	0827494	10
UniCard, for marking devices from the following manufacturers: Schneider Electric, ifm-electronic				
Lettering field size: 18 x 8 mm	white	**UC-EM (18X8)**	0825497	10
UniCard, for marking devices from the following manufacturers: Lumberg, Weidmüller				
Lettering field size: 19 x 9 mm	white	**UC-EM (19X9)**	0827492	10
	yellow	**UC-EM (19X9) YE**	0827496	10
UniCard, for marking devices from the following manufacturers: Harting, ifm-electronic, Phoenix Contact, Siemens				
Lettering field size: 20 x 7 mm	white	**UC-EM (20X7)**	0825499	10
	turquoise	**UC-EM (20X7) TQ**	0825500	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK			
	P1 UC-MAG 6	5146121	1

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UniCard equipment marking for devices from various manufacturers



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • PLOTMARK • CMS-P1-PLOTTER
Number of individual labels		20
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking devices from the following manufacturers: ABB, CONTA-CLIP, Escha, Festo, ifm-electronik, Harting, Moeller, Phoenix Contact, Siemens				
Lettering field size: 20 x 9 mm	white	**UC-EM (20X9)**	0825503	10
Lettering field size: 20 x 9 mm	yellow	**UC-EM (20X9) YE**	0827637	10
Lettering field size: 20 x 9 mm	turquoise	**UC-EM (20X9) TQ**	0825504	10
	green	**UC-EM (20X9) GN**	1017721	10
	red	**UC-EM (20X9) RD**	1017722	10
	blue	**UC-EM (20X9) BU**	1017723	10
	silver	**UC-EM (20X9) SR**	1057865	10
UniCard, for marking devices from the following manufacturers: Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 21 x 8 mm	white	**UC-EM (21X8)**	0825507	10

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK				
		P1 UC-MAG 5	5146118	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Snap-in UniCard equipment marking for Axioline E series



The UCT-EM ... UniCard marking range includes markers for devices and switching devices from a wide range of manufacturers

– The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The large temperature range for application means that the labels can be used in control cabinets as well as in the field
– The sheets provide space for including function texts
– The UCT sheet can also be used with the THERMOMARK CARD-UCT-MAG7 magazine in THERMOMARK CARD ...
– Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking Phoenix Contact devices, Axioline				
Lettering field size: 7 x 10 mm, 30 individual labels	white	**UCT-EM (7X10)**	0830765	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating UCT-WMT..., UCT-EM (7x10)	**TMP-UCT-MAG7**	0803349	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard equipment marking for devices from various manufacturers



The UCT-EM ... UniCard marking range includes markers for devices and switching devices from a wide range of manufacturers.

- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- An overview of the devices that support marking and the relevant manufacturers can be found starting on page 262
- The UCT sheets can also be used with the corresponding THERMOMARK CARD-UCT-MAG1, 12, 13, and 20 magazines in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking devices from the following manufacturers: CONTA-CLIP, Murr Elektronik, 66 individual markers				
Lettering field size: 5 x 10 mm	white	**UCT-EM (5X10)**	0801497	10
UniCard, for marking devices from the following manufacturers: CONTA-CLIP, Festo, Finder, 54 individual markers				
Lettering field size: 6 x 10 mm	white	**UCT-EM (6X10)**	0801493	10
UniCard, for marking devices from the following manufacturers: Beckhoff, Escha, Lumberg, Murr Elektronik, Pepperl & Fuchs, Turck, 54 individual markers				
Lettering field size: 10 x 5 mm	white	**UCT-EM (10X5)**	0801470	10
UniCard, for marking devices from the following manufacturers: Siemens, 54 individual markers				
Lettering field size: 10 x 7 mm	white	**UCT-EM (10X7)**	0801498	10
	yellow	**UCT-EM (10X7) YE**	0803483	10
Lettering field size: 10 x 7 mm	turquoise	**UCT-EM (10X7) TQ**	0801499	10
UniCard, for marking devices from the following manufacturers: Bosch, ifm-electronic, Lumberg, Pepperl & Fuchs, Siemens, 54 individual markers				
Lettering field size: 10 x 8 mm	white	**UCT-EM (10X8)**	0801485	10
	yellow	**UCT-EM (10X8) YE**	0803482	10
Lettering field size: 10 x 8 mm	turquoise	**UCT-EM (10X8) TQ**	0801486	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-TM..., UCT1(U)-TM..., UCT5-TM..., UCT-EM (5x10), UCT-EM (6x10)	**TMP-UCT-MAG1**	0803342	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (10x5)	**TMP-UCT-MAG13**	0803355	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (10x7), UCT-WMTB (29x8)	**TMP-UCT-MAG20**	0803364	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (10x8)	**TMP-UCT-MAG12**	0803354	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard equipment marking for devices from various manufacturers



The UCT-EM ... UniCard marking range includes markers for devices and switching devices from a wide range of manufacturers.

– The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The large temperature range for application means that the labels can be used in control cabinets as well as in the field
– The sheets provide space for including function texts
– An overview of the devices that support marking and the relevant manufacturers can be found starting on page 262
– The UCT sheets can also be used with the corresponding THERMOMARK CARD-UCT-MAG1, 12, 13, and 20 magazines in THERMOMARK CARD ...
– Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Number of individual labels		30
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking devices from the following manufacturers: Bernecke + Rainer				
Lettering field size: 12 x 3.3 mm	white	**UCT-EM (12X3,3)**	0801502	10
	yellow	**UCT-EM (12X3,3) YE**	1057107	10
UniCard, for marking devices from the following manufacturers: Bernecke + Rainer				
Lettering field size: 12 x 6 mm	white	**UCT-EM (12X6)**	0801503	10
	yellow	**UCT-EM (12X6) YE**	1049774	10
UniCard, for marking devices from the following manufacturers: Beckhoff, Wago				
Lettering field size: 12 x 7 mm	white	**UCT-EM (12X7)**	0801501	10
UniCard, for marking devices from the following manufacturers: Allen Bradley, Finder				
Lettering field size: 12 x 8 mm	white	**UCT-EM (12X8)**	1058146	10
UniCard, for marking devices from the following manufacturers: Siemens				
Lettering field size: 15 x 10 mm	white	**UCT-EM (15X10)**	0801504	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (12x3,3), UCT-EM (12x6)	**TMP-UCT-MAG9**	0803351	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (10x8)	**TMP-UCT-MAG12**	0803354	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (20x7), UCT-EM (17,5x8)	**TMP-UCT-MAG8**	0803350	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (15x10)	**TMP-UCT-MAG19**	0803363	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (12x7)	**TMP-UCT-MAG30**	0804461	1

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UniCard equipment marking for devices from various manufacturers



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Number of individual labels		24
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking devices from the following manufacturers: ABB, Festo, Finder, Murr Elektronik, Wago				
Lettering field size: 17 x 9 mm	white	**UCT-EM (17X9)**	0801475	10
Lettering field size: 17 x 9 mm	yellow	**UCT-EM (17X9) YE**	0801476	10
UniCard, for marking devices from the following manufacturers: Allen Bradley, Festo				
Lettering field size: 17 x 10 mm	white	**UCT-EM (17X10)**	0801483	10
Lettering field size: 17 x 10 mm	yellow	**UCT-EM (17X10) YE**	0801484	10
UniCard, for marking devices from the following manufacturers: ABB, Lumberg				
Lettering field size: 17.5 x 7.5 mm	white	**UCT-EM (17,5X7,5)**	0801482	10
UniCard, for marking devices from the following manufacturers: ABB, Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 17 x 8 mm	white	**UCT-EM (17X8)**	0801842	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (17x9)	**TMP-UCT-MAG16**	0803358	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (17x10)	**TMP-UCT-MAG11**	0803353	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (17,5x7,5)	**TMP-UCT-MAG18**	0803361	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (17x8), UCT-EM (21x8)	**TMP-UCT-MAG14**	0803356	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard equipment marking for devices from various manufacturers



The UCT-EM ... UniCard marking range includes markers for devices and switching devices from a wide range of manufacturers.

– The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The large temperature range for application means that the labels can be used in control cabinets as well as in the field
– The sheets provide space for including function texts
– An overview of the devices that support marking and the relevant manufacturers can be found starting on page 262
– The UCT sheets can also be used with the corresponding THERMOMARK CARD-UCT-MAG8, 11, 14, 15, 17, and 22 magazines in THERMOMARK CARD ...
– Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Can be marked using:



Direct laser marking



UV LED technology



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Number of individual labels		24
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking devices from the following manufacturers: ABB, ifm-electronic, Moeller, Murr Elektronik				
Lettering field size: 17.5 x 8 mm	white	**UCT-EM (17,5X8)**	0801496	10
UniCard, for marking devices from the following manufacturers: Murr Elektronik, Phoenix Contact, Weidmüller				
Lettering field size: 17.5 x 9 mm	white	**UCT-EM (17,5X9)**	0801491	10
Lettering field size: 17.5 x 9 mm	yellow	**UCT-EM (17,5X9) YE**	0801492	10
UniCard, for marking devices from the following manufacturers: ABB, Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 18 x 8 mm	white	**UCT-EM (18X8)**	0801488	10
UniCard, for marking devices from the following manufacturers: ifm-electronic, Phoenix Contact, Siemens				
Lettering field size: 20 x 7 mm	white	**UCT-EM (20X7)**	0801494	10
Lettering field size: 20 x 7 mm	yellow	**UCT-EM (20X7) YE**	0803481	10
Lettering field size: 20 x 7 mm	turquoise	**UCT-EM (20X7) TQ**	0801495	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (20x7), UCT-EM (17,5x8)	**TMP-UCT-MAG8**	0803350	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (17,5x9)	**TMP-UCT-MAG22**	0803366	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EM (18x8)	**TMP-UCT-MAG17**	0803360	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard equipment marking for devices from various manufacturers



Unmarked or marked according to customer specifications



Unmarked

	Technical data	Technical data
General data		
Can be marked with	TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0	TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Number of individual labels	24	12
Material	PC	PC
Flammability rating in accordance with UL 94	V0	V0
Temperature range [°C]	-40 ... 120	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen	Free from silicone and halogen

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
UniCard, for marking devices from the following manufacturers: Escha, Murr Elektronik, Turck							
Lettering field size: 20 x 8 mm	white	**UCT-EM (20X8)**	0801477	10			
UniCard, for marking devices from the following manufacturers: ABB, CONTA-CLIP, Escha, Festo, ifm-electronik, Lumberg, Moeller, Murr Elektronik, Pepperl & Fuchs, Phoenix Contact, Siemens, Turck, Weidmüller							
Lettering field size: 20 x 9 mm	white	**UCT-EM (20X9)**	0801471	10			
Lettering field size: 20 x 9 mm	turquoise	**UCT-EM (20X9) TQ**	0801473	10			
Lettering field size: 20 x 9 mm	yellow	**UCT-EM (20X9) YE**	0801472	10			
UniCard, for marking devices from the following manufacturers: ABB, Schneider Electric, ifm-electronic, Murr Elektronik							
Lettering field size: 21 x 8 mm	white	**UCT-EM (21X8)**	0801489	10			
UniCard, for marking devices from Festo, lettering field size: 12.5 x 6 mm	white				**UCT-EMNP (12,5X6)**	1025150	10
		Accessories			**Accessories**		
Magazine for THERMOMARK CARD and THERMOMARK PRIME							
for accommodating UCT-EM (17x10)		**TMP-UCT-MAG11**	0803353	1			
Magazine for THERMOMARK CARD and THERMOMARK PRIME							
for accommodating UCT-EM (20x9)		**TMP-UCT-MAG15**	0803357	1			
Magazine for THERMOMARK CARD and THERMOMARK PRIME							
for accommodating UCT-EM (17x8), UCT-EM (21x8)		**TMP-UCT-MAG14**	0803356	1			
Magazine, for THERMOMARK PRIME and THERMOMARK CARD							
for accommodating UCT-EMNP (12,5x6), UCT-EMP (35x9)					**TMP-UCT-MAG31**	1025505	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Stick-on UniCard equipment marking

Can be marked using:

new





Direct laser marking



UV LED technology



Thermal transfer



Unmarked

The UCT4-EMLP ... UniCard marking range includes markers for all applications

- The UCT4-EMLP ... device markers can be adhered to SIRIUS ACT 3SU ... series marker carriers from SIEMENS
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- An overview of the devices that support marking plus their manufacturers can be found starting on page 262
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC V0
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, with self-adhesive plastic labels for marking Siemens label holders: 6-section, lettering field size: 27 x 12.5 mm		**UCT4-EMLP (27X12,5)**	1056543	10
		UCT4-EMLP (27X12,5) SR	1056550	10
UniCard, with self-adhesive plastic labels for marking markers for Siemens label holders: 6-section, lettering field size: 27 x 17.5 mm		**UCT4-EMLP (27X17,5)**	1056547	10
		UCT4-EMLP (27X17,5) SR	1056553	10
UniCard, with self-adhesive plastic labels for marking markers for Siemens label holders: 6-section, lettering field size: 27 x 27 mm		**UCT4-EMLP (27X27)**	1056549	10
		UCT4-EMLP (27X27) SR	1056554	10

Accessories

Magazine, for THERMOMARK PRIME and THERMOMARK CARD for accommodating UCT4-EM(L)P...	**TMP-UCT-MAG32**	1082129	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniCard equipment marking for snapping into marker carriers

Can be marked using:

new



Direct laser marking

UV LED technology



Unmarked

Thermal transfer

- The UCT4-EMLP ... UniCard marking range includes markers for all applications
- The UCT4-EMLP ... device markers can be snapped into SIRIUS ACT 3SU ... series marker carriers from SIEMENS
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely with marking systems
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- An overview of the devices that support marking plus their manufacturers can be found starting on page 262
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

Technical data

General data		
Can be marked with		TOPMARK NEO • TOPMARK LASER • BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED • THERMOMARK PRIME • THERMOMARK CARD 2.0
Material		PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, with plastic labels for marking Siemens label holders: 6-section, lettering field size: 27 x 12.5 mm	white	**UCT4-EMP (27X12,5)**	1073985	10
	silver	**UCT4-EMP (27X12,5) SR**	1073986	10
UniCard, with plastic labels for marking markers for Siemens label holders: 6-section, lettering field size: 27 x 17.5 mm	white	**UCT4-EMP (27X17,5)**	1073987	10
	silver	**UCT4-EMP (27X17,5) SR**	1073989	10
UniCard, with plastic labels for marking markers for Siemens label holders: 6-section, lettering field size: 27 x 27 mm	white	**UCT4-EMP (27X27)**	1073990	10
	silver	**UCT4-EMP (27X27) SR**	1073991	10

Accessories

Magazine, for THERMOMARK PRIME and THERMOMARK CARD for accommodating UCT4-EM(L)P...	**TMP-UCT-MAG32**	1082129	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

Stick-on UniSheet equipment marking



- The US-EMLP ... UniSheet marking range includes self-adhesive device markers with good adhesive properties in different sizes for:
- Equipment marking
- Module marking
- Switchgear marking
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- More label sizes can be found at: phoenixcontact.net/products
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Marking of circuit breakers, for example:

- 8.8 x 15 mm for ABB, Schneider Electric
- 17 x 15 mm for ABB, Hager, Legrand
- 35 x 15 mm for ABB, Legrand, Schneider Electric
- 52.5 x 15 mm for ABB, Legrand, Schneider Electric
- 70 x 15 mm for Legrand, Schneider Electric

Can be marked using:



UV LED technology



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive plastic labels, 0.5 mm thick				
88-section, lettering field size: 8.8 x 15 mm	white	**US-EMLP (8,8X15)**	0830303	10
	yellow	**US-EMLP (8,8X15) YE**	0830316	10
	red	**US-EMLP (8,8X15) RD**	0830318	10
	silver	**US-EMLP (8,8X15) SR**	0830317	10
135-section, lettering field size: 11 x 9 mm	white	**US-EMLP (11X9)**	0828789	10
	yellow	**US-EMLP (11X9) YE**	0828871	10
	silver	**US-EMLP (11X9) SR**	0828872	10
189-section, lettering field size: 15 x 5 mm	white	**US-EMLP (15X5)**	0828790	10
	yellow	**US-EMLP (15X5) YE**	0828873	10
	silver	**US-EMLP (15X5) SR**	0828874	10
114-section, lettering field size: 17 x 7 mm	white	**US-EMLP (17X7)**	0828792	10
	yellow	**US-EMLP (17X7) YE**	0828877	10
	silver	**US-EMLP (17X7) SR**	0828878	10
54-section, lettering field size: 17 x 15 mm	white	**US-EMLP (17X15)**	0828793	10
54-section, lettering field size: 17 x 15 mm	white	**US-EMLP (17,5X15)**	0830839	10
	yellow	**US-EMLP (17X15) YE**	0828879	10
	silver	**US-EMLP (17X15) SR**	0828880	10
75-section, lettering field size: 20 x 9 mm	white	**US-EMLP (20X9)**	0828795	10
	yellow	**US-EMLP (20X9) YE**	0828883	10
	silver	**US-EMLP (20X9) SR**	0828884	10
24-section, lettering field size: 22 x 22 mm	white	**US-EMLP (22X22)**	0828796	10
	yellow	**US-EMLP (22X22) YE**	0828885	10
	silver	**US-EMLP (22X22) SR**	0828886	10
51-section, lettering field size: 27 x 8 mm	white	**US-EMLP (27X8)**	0828797	10
	yellow	**US-EMLP (27X8) YE**	0828889	10
	red	**US-EMLP (27X8) RD**	0804447	10
	silver	**US-EMLP (27X8) SR**	0828890	10
30-section, lettering field size: 27 x 12.5 mm	white	**US-EMLP (27X12,5)**	0828798	10
	yellow	**US-EMLP (27X12,5) YE**	0828891	10
	silver	**US-EMLP (27X12,5) SR**	0828892	10
27-section, lettering field size: 27 x 15 mm	white	**US-EMLP (27X15)**	0828799	10
	yellow	**US-EMLP (27X15) YE**	0828893	10
	red	**US-EMLP (27X15) RD**	0804448	10
	silver	**US-EMLP (27X15) SR**	0828894	10
21-section, lettering field size: 27 x 18 mm	white	**US-EMLP (27X18)**	0828800	10
	yellow	**US-EMLP (27X18) YE**	0828895	10
	red	**US-EMLP (27X18) RD**	0804449	10
	silver	**US-EMLP (27X18) SR**	0828896	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Stick-on UniSheet equipment marking



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive plastic labels, 0.5 mm thick				
15-section, lettering field size: 27 x 27 mm	white	**US-EMLP (27X27)**	0828801	10
	yellow	**US-EMLP (27X27) YE**	0828897	10
	silver	**US-EMLP (27X27) SR**	0828898	10
45-section, lettering field size: 35 x 9 mm	white	**US-EMLP (35X9)**	0828802	10
	yellow	**US-EMLP (35X9) YE**	0828899	10
	silver	**US-EMLP (35X9) SR**	0829430	10
27-section, lettering field size: 35 x 15 mm	white	**US-EMLP (35X15)**	0830300	10
	yellow	**US-EMLP (35X15) YE**	0830319	10
	red	**US-EMLP (35X15) RD**	0830321	10
	silver	**US-EMLP (35X15) SR**	0830320	10
28-section, lettering field size: 40 x 10 mm	white	**US-EMLP (40X10)**	0830341	10
	yellow	**US-EMLP (40X10) YE**	0830342	10
	silver	**US-EMLP (40X10) SR**	0830328	10
18-section, lettering field size: 49 x 15 mm	white	**US-EMLP (49X15)**	0828803	10
	yellow	**US-EMLP (49X15) YE**	0828901	10
	silver	**US-EMLP (49X15) SR**	0828902	10
16-section, lettering field size: 52.5 x 15 mm	white	**US-EMLP (52,5X15)**	0830301	10
	yellow	**US-EMLP (52,5X15) YE**	0830322	10
	red	**US-EMLP (52,5X15) RD**	0830324	10
	silver	**US-EMLP (52,5X15) SR**	0830323	10
9-section, lettering field size: 60 x 15 mm	white	**US-EMLP (60X15)**	0828804	10
	yellow	**US-EMLP (60X15) YE**	0828903	10
	silver	**US-EMLP (60X15) SR**	0828904	10
4-section, lettering field size: 60 x 30 mm	white	**US-EMLP (60X30)**	0828805	10
	yellow	**US-EMLP (60X30) YE**	0828905	10
	blue	**US-EMLP (60X30) BU**	0804282	10
	red	**US-EMLP (60X30) RD**	0804283	10
	silver	**US-EMLP (60X30) SR**	0828906	10
8-section, lettering field size: 70 x 15 mm	white	**US-EMLP (70X15)**	0830302	10
	yellow	**US-EMLP (70X15) YE**	0830325	10
	red	**US-EMLP (70X15) RD**	0830327	10
	silver	**US-EMLP (70X15) SR**	0830326	10
2-section, lettering field size: 85.6 x 54 mm	white	**US-EMLP (85,6X54)**	0828806	10
	yellow	**US-EMLP (85,6X54) YE**	0828907	10
	red	**US-EMLP (85,6X54) RD**	0830841	10
	silver	**US-EMLP (85,6X54) SR**	0828908	10
2-section, lettering field size: 100 x 60 mm	white	**US-EMLP (100X60)**	0828807	10
	yellow	**US-EMLP (100X60) YE**	0828909	10
	silver	**US-EMLP (100X60) SR**	0828910	10
1-section, lettering field size: 104 x 135 mm	white	**US-EMLP (104X135)**	0830304	10
	yellow	**US-EMLP (104X135) YE**	0830305	10
	silver	**US-EMLP (104X135) SR**	0830306	10

Accessories

Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniSheet equipment marking for sticking onto rough or textured surfaces



- The US-EMLP-HA ... UniSheet marking range has excellent adhesive properties, thanks to its special adhesive. Particularly on rough, textured, and low-energy surfaces
- The self-adhesive plastic labels for button markings have two marking areas. There is a choice of two marking areas or one of both. The marking areas that are not necessary can be easily removed by snapping off
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Can be marked using:



UV LED technology



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive plastic labels, 0.5 mm thick				
108-section, lettering field size: 17 x 7 mm	white	**US-EMLP-HA (17X7)**	0830988	10
70-section, lettering field size: 20 x 9 mm	white	**US-EMLP-HA (20X9)**	0830989	10
4-section, lettering field size: 60 x 30 mm	white	**US-EMLP-HA (60X30)**	0830990	10
4-section, lettering field size: 60 x 30 mm	silver	**US-EMLP-HA (60X30) SR**	0830991	10
2-section, lettering field size: 85.6 x 54 mm	white	**US-EMLP-HA (85,6X54)**	0830992	10
2-section, lettering field size: 85.6 x 54 mm	silver	**US-EMLP-HA (85,6X54) SR**	0830993	10
UniSheet, with self-adhesive plastic labels for button markings, 0.5 mm thick, 6-section, 2 lettering field sizes: 30 x 18 mm and 30 x 8 mm				
	white	**US-EMLP-HA 24 (30X18/8)**	0803876	10
	silver	**US-EMLP-HA 24 (30X18/8) SR**	0803877	10
6-section, 2 lettering field sizes: 30 x 15 mm and 30 x 12.5 mm	white	**US-EMLP-HA 24 (30X15/12,5)**	0803874	10
	silver	**US-EMLP-HA 24 (30X15/12,5) SR**	0803875	10
4-section, lettering field size: 45 x 10 mm	white	**US-EMLP-HA 30 (45X10)**	0803878	10
4-section, lettering field size: 45 x 10 mm	silver	**US-EMLP-HA 30 (45X10) SR**	0803879	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials			
	BM ID-ADAPTER PLATE-US	1044355	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniSheet equipment marking for snapping into marker carriers



- The US-EMP ... UniSheet marking range includes markers that can be fitted into existing CARRIER EMP ... label frames
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Notes:

For corresponding label frames, see page 348.

Can be marked using:



UV LED technology



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

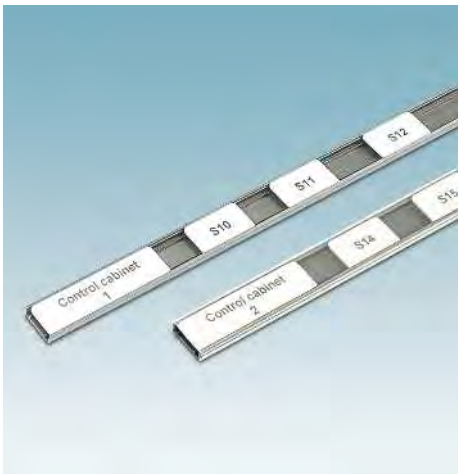
General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, just 0.5 mm thick				
54-section, lettering field size: 17 x 15 mm	white	US-EMP (17X15)	0828774	10
	yellow	US-EMP (17X15) YE	0828842	10
	silver	US-EMP (17X15) SR	0828843	10
70-section, lettering field size: 20 x 9 mm	white	US-EMP (20X9)	0829439	10
1 UniSheet = 84 labels	white	US-EMP (25X6)-1	0802754	10
84-section, lettering field size: 26 x 6 mm	white	US-EMP (25X6)	0829435	10
51-section, lettering field size: 27 x 8 mm	white	US-EMP (27X8)	0828775	10
	yellow	US-EMP (27X8) YE	0828844	10
	silver	US-EMP (27X8) SR	0828845	10
30-section, lettering field size: 27 x 12.5 mm	white	US-EMP (27X12,5)	0828776	10
	yellow	US-EMP (27X12,5) YE	0828846	10
	silver	US-EMP (27X12,5) SR	0828847	10
27-section, lettering field size: 27 x 15 mm	white	US-EMP (27X15)	0828777	10
	yellow	US-EMP (27X15) YE	0828848	10
	silver	US-EMP (27X15) SR	0828849	10
21-section, lettering field size: 27 x 18 mm	white	US-EMP (27X18)	0828778	10
	yellow	US-EMP (27X18) YE	0828850	10
	silver	US-EMP (27X18) SR	0828851	10
15-section, lettering field size: 27 x 27 mm	white	US-EMP (27X27)	0828779	10
	yellow	US-EMP (27X27) YE	0828852	10
	silver	US-EMP (27X27) SR	0828853	10
21-section, lettering field size: 27.9 x 17.4 mm		US-EMP (27,9X17,4)	0830980	10
	silver	US-EMP (27,9X17,4) SR	0803300	10
1 UniSheet = 48 labels	white	US-EMP (29X8)	0829436	10
	yellow	US-EMP (29X8) YE	0829440	10
42-section, lettering field size: 35 x 9 mm	white	US-EMP (35X9)	0830842	10
	yellow	US-EMP (35X9) YE	0830843	10
	silver	US-EMP (35X9) SR	0830844	10
1 UniSheet = 16 labels	white	US-EMP (40X17)	0829437	10
1 UniSheet = 40 labels, lettering field size: 44 x 7 mm	white	US-EMP (44X7)	0829438	10
18-section, lettering field size: 49 x 15 mm	white	US-EMP (49X15)	0828780	10
	yellow	US-EMP (49X15) YE	0828854	10
	silver	US-EMP (49X15) SR	0828855	10
1 UniSheet = 9 labels	white	US-EMP (60X15)	0828781	10
	yellow	US-EMP (60X15) YE	0828856	10
	silver	US-EMP (60X15) SR	0828857	10
4-section, lettering field size: 60 x 30 mm	white	US-EMP (60X30)	0828782	10
	yellow	US-EMP (60X30) YE	0828858	10
	silver	US-EMP (60X30) SR	0828859	10
2-section, lettering field size: 85.6 x 54 mm	white	US-EMP (85,6X54)	0828783	10
	yellow	US-EMP (85,6X54) YE	0828860	10
	silver	US-EMP (85,6X54) SR	0828861	10
9-section, lettering field size: 100 x 15 mm	white	US-EMP (100X15)	0829521	10
	yellow	US-EMP (100X15) YE	0829522	10
	silver	US-EMP (100X15) SR	0829523	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniSheet equipment marking for snapping into marker carriers



Can be marked using:

UV LED technology

Thermal transfer



Unmarked or marked according to customer specifications

The US-EMP ... UniSheet equipment markers can be easily snapped into the CARRIER(/L)-EMP (1000X15) ... marking profiles. They have the following advantages and ideal for:

– Equipment marking
– Module marking
– Switchgear marking
– The labels are available in different sizes corresponding to common device pitch measurements
– The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
– The perforated markers are easy to separate and can be easily fitted
– The sheets provide space for including function texts
– The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
– Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Marking of circuit breakers, for example:

– 8.8 x 15 mm for ABB, Schneider Electric
– 17 x 15 mm for ABB, Hager, Legrand
– 35 x 15 mm for ABB, Legrand, Schneider Electric
– 52.5 x 15 mm for ABB, Legrand, Schneider Electric
– 70 x 15 mm for Legrand, Schneider Electric

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, 0.5 mm thick, can be marked with THERMOMARK CARD				
88-section, lettering field size: 8.8 x 15 mm	white	**US-EMP (8,8X15)**	0830293	10
	yellow	**US-EMP (8,8X15) YE**	0830426	10
	red	**US-EMP (8,8X15) RD**	0830428	10
	silver	**US-EMP (8,8X15) SR**	0830427	10
54-section, lettering field size: 17 x 15 mm	white	**US-EMP (17X15)**	0828774	10
	yellow	**US-EMP (17X15) YE**	0828842	10
	silver	**US-EMP (17X15) SR**	0828843	10
27-section, lettering field size: 27 x 15 mm	white	**US-EMP (27X15)**	0828777	10
	yellow	**US-EMP (27X15) YE**	0828848	10
	silver	**US-EMP (27X15) SR**	0828849	10
24-section, lettering field size: 35 x 15 mm	white	**US-EMP (35X15)**	0830295	10
	yellow	**US-EMP (35X15) YE**	0830307	10
	red	**US-EMP (35X15) RD**	0830309	10
	silver	**US-EMP (35X15) SR**	0830308	10
18-section, lettering field size: 49 x 15 mm	white	**US-EMP (49X15)**	0828780	10
	yellow	**US-EMP (49X15) YE**	0828854	10
	silver	**US-EMP (49X15) SR**	0828855	10
16-section, lettering field size: 52.5 x 15 mm	white	**US-EMP (52,5X15)**	0830296	10
	yellow	**US-EMP (52,5X15) YE**	0830310	10
	red	**US-EMP (52,5X15) RD**	0830312	10
	silver	**US-EMP (52,5X15) SR**	0830311	10
1 UniSheet = 9 labels	white	**US-EMP (60X15)**	0828781	10
	yellow	**US-EMP (60X15) YE**	0828856	10
	silver	**US-EMP (60X15) SR**	0828857	10
8-section, lettering field size: 70 x 15 mm	white	**US-EMP (70X15)**	0830297	10
	yellow	**US-EMP (70X15) YE**	0830313	10
	red	**US-EMP (70X15) RD**	0830315	10
	silver	**US-EMP (70X15) SR**	0830314	10
9-section, lettering field size: 100 x 15 mm	white	**US-EMP (100X15)**	0829521	10
	yellow	**US-EMP (100X15) YE**	0829522	10
	silver	**US-EMP (100X15) SR**	0829523	10

Accessories

Profile, for screwing or riveting, 1000 mm long, for accommodating UCT-... / UC-... / US-... / EMT ... and EMP-AL material with 15 mm height				
	gray	**CARRIER-EMP (1000X15) GY**	0829366	25
	transparent	**CARRIER-EMP (1000X15) TR**	0829530	25
Profile, self-adhesive, 1000 mm long, for accommodating UCT-... / UC-... / US-... / EMT ... and EMP-AL ... material with 15 mm height				
	gray	**CARRIER/L-EMP (1000X15) GY**	0829559	25
	transparent	**CARRIER/L-EMP (1000X15) TR**	0829560	25
CARRIER cover, 1000 mm long				
	transparent	**CARRIER-EMP (1000X15) COVER**	0829520	25
Magazine for THERMOMARK CARD and THERMOMARK PRIME				
for accommodating all US materials		**TMP-US-MAG1**	0803341	1

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UniSheet equipment marking for screwing or riveting



- The US-EMSP ... UniSheet marking range includes markers that can be attached using screws or rivets
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Notes:

For corresponding rivet for fixing the US-EMSP ...., see page 397.

Can be marked using:



UV LED technology



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

General data	
Can be marked with	BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material	PVC
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-30 ... 80
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, 0.5 mm thick, with mounting holes 3.2 mm in diameter				
4-section, lettering field size: 50 x 30 mm	white	**US-EMSP (50X30)**	0828786	10
	yellow	**US-EMSP (50X30) YE**	0828927	10
	silver	**US-EMSP (50X30) SR**	0828928	10
2-section, lettering field size: 75.6 x 54 mm	white	**US-EMSP (75,6X54)**	0828787	10
	yellow	**US-EMSP (75,6X54) YE**	0828929	10
	silver	**US-EMSP (75,6X54) SR**	0828930	10
2-section, lettering field size: 90 x 60 mm	white	**US-EMSP (90X60)**	0828788	10
	yellow	**US-EMSP (90X60) YE**	0828931	10
	silver	**US-EMSP (90X60) SR**	0828932	10
	red	**US-EMSP (90X60) RD**	0802937	10
	blue	**US-EMSP (90X60) BU**	0803038	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenseng.com - www.stevenengineering.com

UniSheet equipment marking for sticking on and additional screwing or riveting



- The US-EMLSP ... UniSheet marking range includes adhesive markers which can also be attached with screws or rivets
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Notes:

For corresponding rivet for fixing the UC-EMLSP ..., see page 397.

Drilling diagrams can be found at phoenixcontact.net/products

Can be marked using:



UV LED technology



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive plastic labels, mounting holes 3.2 mm in diameter, 0.5 mm thick				
Lettering field size: 28 x 10 mm	white	**US-EMLSP (28X10)**	0830343	10
	yellow	**US-EMLSP (28X10) YE**	0830344	10
	silver	**US-EMLSP (28X10) SR**	0830329	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniSheet equipment marking, stick-on labels



- The US-EMT ... UniSheet marking range includes markers for easy marking of Siemens controllers. The US-EMT markers can be easily separated from the card. The markers can be firmly mounted in the marking area by simply inserting them.
- The PROJECT complete software includes templates for easily marking the different inputs and outputs.
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
- The pre-perforated markers are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Can be marked using:



Thermal transfer



Technical data

General data	
Can be marked with	THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material	Polyester
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, insert label				
7-section, lettering field size: 103 x 17 mm	white	**US-EMT (103X17)**	0803846	10
	turquoise	**US-EMT (103X17) TQ**	0803847	10
5-section, lettering field size: 103 x 23 mm	white	**US-EMT (103X23)**	0803856	10
	turquoise	**US-EMT (103X23) TQ**	0803857	10
8-section, lettering field size: 13 x 109 mm	white	**US-EMT (13X109)**	0803862	10
	gray	**US-EMT (13X109) GY**	0803864	10
	turquoise	**US-EMT (13X109) TQ**	0803865	10
	yellow	**US-EMT (13X109) YE**	0803863	10
4-section, lettering field size: 23 x 109 mm	white	**US-EMT (23X109)**	0803858	10
	gray	**US-EMT (23X109) GY**	0803860	10
	turquoise	**US-EMT (23X109) TQ**	0803861	10
	yellow	**US-EMT (23X109) YE**	0803859	10
30-section, lettering field size: 31 x 12.57 mm	white	**US-EMT (31X12,5)**	0803848	10
	gray	**US-EMT (31X12,5) GY**	0803850	10
	yellow	**US-EMT (31X12,5) YE**	0803849	10
10-section, 2 lettering field sizes: 50 x 13 mm and 28 x 13 mm	white	**US-EMT (50/28X13)**	0803853	10
	turquoise	**US-EMT (50/28X13) TQ**	0803855	10
10-section, lettering field size: 50 x 26 mm	white	**US-EMT (50X26)**	0803851	10
	turquoise	**US-EMT (50X26) TQ**	0803852	10

Accessories

	Type	Order No.	Pcs./Pkt.
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

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UniSheet equipment marking, stick-on labels



- The US-EML ... UniSheet marking range includes markers for marking equipment in switchgear and systems manufacturing
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
- The perforated markers and labels are easy to separate and can be easily fitted
- When used in conjunction with high-quality ink ribbons, they result in a highly resistant form of marking that is suitable for harsh environments
- The sheets provide space for including function texts
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Can be marked using:



UV LED technology



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive labels				
132-section, lettering field size: 15 x 6 mm	white	**US-EML (15X6)**	0803816	10
	yellow	**US-EML (15X6) YE**	0803817	10
84-section, lettering field size: 15 x 9 mm	white	**US-EML (15X9)**	0803811	10
	yellow	**US-EML (15X9) YE**	0803813	10
130-section, lettering field size: 16.5 x 5 mm	yellow	**US-EML (16,5X5) YE**	0803815	10
90-section, lettering field size: 16 x 7 mm	yellow	**US-EML (16X7) YE**	0803819	10
80-section, lettering field size: 17.5 x 8 mm	white	**US-EML (17,5X8)**	0800461	10
	yellow	**US-EML (17,5X8) YE**	0800463	10
1 UniSheet = 64 labels, lettering field size: 20 x 8 mm	white	**US-EML (20X8)**	0800458	10
	yellow	**US-EML (20X8) YE**	0800460	10
34-section, lettering field size: 104 x 3.8 mm	white	**US-EML (104X3,8)**	0800464	10
1-section, lettering field size: 104 x 140 mm	white	**US-EML (104X140)**	0800465	10
	yellow	**US-EML (104X140) YE**	0800467	10
	silver	**US-EML (104X140) SR**	0800466	10
UniSheet, with self-adhesive labels, 56-section, lettering field size: diameter 12.5 mm	white	**US-EML (D12,5)**	0803823	10
6-section, lettering field size: diameter 39 mm	white	**US-EML (D39)**	0803822	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME		
for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials		
	BM ID-ADAPTER PLATE-US	1044355	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniSheet equipment marking, stick-on labels



The unmarked US-EMLF ... combi labels in card format allow you to create custom information signs. A wide range of symbols conforming to ISO 7010 are available in the PROJECT complete software.

– High adhesive strength
– Suitable for indoor and outdoor use
– The markers, which are supplied in uniform sheets, can be marked quickly, easily, and inexpensively
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The perforated markers are easy to separate
– The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
– Marking service: Phoenix Contact can custom-mark many UniSheet markers according to your requirements

Can be marked using:



UV LED technology



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive labels				
132-section, lettering field size: 15 x 6 mm	yellow	**US-EMLF (15X6) YE**	0803832	10
84-section, lettering field size: 15 x 9 mm	yellow	**US-EMLF (15X9) YE**	0803828	10
130-section, lettering field size: 16.5 x 5 mm	yellow	**US-EMLF (16,5X5) YE**	0803830	10
90-section, lettering field size: 16 x 7 mm	yellow	**US-EMLF (16X7) YE**	0803834	10
80-section, lettering field size: 17.5 x 8 mm	yellow	**US-EMLF (17,5X8) YE**	0803836	10
64-section, lettering field size: 20 x 8 mm	yellow	**US-EMLF (20X8) YE**	0803842	10
2-section, lettering field size: 104 x 70 mm	white	**US-EMLF (104X70)**	1014294	10
	yellow	**US-EMLF (104X70) YE**	1014295	10
	blue	**US-EMLF (104X70) BU**	1014296	10
1-section, lettering field size: 104 x 140 mm	white	**US-EMLF (104X140)**	1014291	10
	yellow	**US-EMLF (104X140) YE**	1014292	10
	blue	**US-EMLF (104X140) BU**	1014293	10
UniSheet, with self-adhesive labels, 6-section, lettering field size: 39 mm in diameter				
	white	**US-EMLF (D39)**	0803845	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Adapter plate for BLUEMARK ID, for accommodating US materials			
	BM ID-ADAPTER PLATE-US	1044355	1

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Stick-on equipment marking



- The EML ... self-adhesive equipment markers are particularly suitable for marking various types of equipment in controller, systems, and control cabinet manufacturing
- When combined with the right ink ribbon, the marking is highly resistant to chemical and mechanical influences, and can also be used under harsh industrial conditions
- In the case of high-quality ink ribbons, the marking is resistant to solvents and suitable for use even under harsh industrial conditions.
- The EML ... materials are UL-listed
- Marking service: Phoenix Contact can custom-mark many EML ... labels according to your requirements
- **Designation example:**
  EML (10x4)R
  Lettering field width: 10 mm
  Lettering field height: 4 mm
  Type of packaging: roll

Notes:

Additional label sizes can be found in the product area on our website at phoenixcontact.net/products



Can be marked using:

Thermal transfer for rolls



Unmarked or marked according to customer specifications, white

Technical data

General data	
Can be marked with	THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material	Polyester
Temperature range [°C]	-40 ... 150
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Labels, can be marked with a thermal transfer printer				
1 roll = 10,000 labels	white	**EML (10X4)R**	0815583	1
1 roll = 10,000 labels	white	**EML (10X7)R**	0816663	1
1 roll = 2500 labels	white	**EML (15X6)R**	0803275	1
1 roll = 2500 labels	white	**EML (15X9)R**	0815677	1
1 roll = 2500 labels	white	**EML (16,5X5)R**	0816702	1
1 roll = 10,000 labels	white	**EML (16X7)R**	0818001	1
1 roll = 2500 labels	white	**EML (17,5X8)R**	0816744	1
1 roll = 2500 labels	white	**EML (19X6)R**	0816760	1
1 roll = 2500 labels	yellow			
1 roll = 2500 labels	white	**EML (20X8)R**	0816786	1
1 roll = 1000 labels	white	**EML (20X8)R/TL**	0802999	1
1 roll = 2500 labels	silver/matt			
1 roll = 2500 labels	white	**EML (24X3)R**	0830291	1
1 roll = 1000 labels	white	**EML (24X4)R**	0800061	1
1 roll = 2500 labels	white	**EML (25,4X12,7)R**	0816825	1
1 roll = 2500 labels	silver/matt			
1 roll = 2500 labels	silver/matt			
1 roll = 2500 labels	yellow			
1 roll = 2500 labels	silver/matt			
1 roll = 2500 labels	silver/matt			
1 roll = 1000 labels	white	**EML (30X20)R**	0816922	1
1 roll = 1500 labels	yellow			
1 roll = 1000 labels	white	**EML (36X25)R**	0803136	1
1 roll = 2500 labels	white	**EML (38X17)R**	0816951	1
1 roll = 2500 labels	white	**EML (40X6)R**	0830481	1
1 roll = 1000 labels	white	**EML (40X8)R**	0816980	1
1 roll = 1000 labels	silver/matt			
1 roll = 1000 labels	white	**EML (40X25)R**	0818027	1
1 roll = 1000 labels	white	**EML (47X22)R**	0803907	1
1 roll = 2500 labels	white	**EML (50X10)R**	0830483	1
1 roll = 1000 labels	white	**EML (51X25)R**	0817028	1
1 roll = 1000 labels	white	**EML (70X32)R**	0817060	1
1 roll = 400 labels	white	**EML (70X50)R**	0817099	1
1 roll = 2500 labels	white	**EML (75X10)R**	0830485	1
1 roll = 1000 labels	white	**EML (80X20)R**	0803138	1
1 roll = 2500 labels	white	**EML (90X5)R**	0817109	1
1 roll = 1000 labels	white	**EML (105X23)R**	0803137	1
1 roll = 500 labels	yellow			
1 roll = 300 labels	white	**EML (100X73)R**	0817125	1
1 roll = 300 labels	white	**EML (100X40)R**	0800286	1
1 roll = 250 labels	white	**EML (100X90)R**	0817154	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm		
THERMOMARK-RIBBON 110	5145384	1

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Unmarked or marked according to customer specifications, yellow



Unmarked or marked according to customer specifications, silver

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
EML (10X7)R YE	0816676	1
EML (15X6)R YE	0819288	1
EML (15X9)R YE	0816045	1
EML (16,5X5)R YE	0816728	1
EML (16X7)R YE	0816731	1
EML (17,5X8)R YE	0816757	1
EML (19X6)R YE	0800107	1
EML (20X7)R YE	0816773	1
EML (20X8)R YE	0816799	1
EML (24X4)R YE	0803683	1
EML (25,4X12,7)R YE	0816838	1
EML (26,5X17,5)R YE	0816896	1
EML (30X20)R YE	0816935	1
EML (32X25)R YE	0800020	1
EML (40X6)R YE	0830482	1
EML (40X8)R YE	0803712	1
EML (40X25)R YE	0816977	1
EML (50X10)R YE	0830484	1
EML (51X25)R YE	0817031	1
EML (70X32)R YE	0817073	1
EML (75X10)R YE	0830486	1
EML (100X30)R YE	0801816	1
EML (100X73)R YE	0817138	1

Accessories

THERMOMARK-RIBBON 110	5145384	1

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
EML (15X9)R SR	0816032	1
EML (21,5X21,5)R SR	0816812	1
EML (26,5X7,5)R SR	0816841	1
EML (26,5X12)R SR	0816854	1
EML (26,5X17,5)R SR	0816883	1
EML (26,5X18,5)R SR	0816906	1
EML (26,5X26,5)R SR	0816919	1
EML (40X15)R SR	0815729	1
EML (51X25)R SR	0817002	1
EML (70X32)R SR	0817057	1
EML (70X50)R SR	0817086	1
EML (100X73)R SR	0817112	1
EML (100X40)R SR	0802697	1
EML (100X90)R SR	0817141	1

Accessories

THERMOMARK-RIBBON 110	5145384	1

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Stick-on equipment marking



- The EML ... self-adhesive equipment markers are particularly suitable for marking various types of equipment in controller, systems, and control cabinet manufacturing
- When combined with the right ink ribbon, the marking is highly resistant to chemical and mechanical influences, and can also be used under harsh industrial conditions
- In the case of high-quality ink ribbons, the marking is resistant to solvents and suitable for use even under harsh industrial conditions.
- The EML ... materials are UL-listed
- Marking service: Phoenix Contact can custom-mark many EML ... labels according to your requirements
- **Designation example:**
  EML (16,5x5)RL
  Lettering field width: 16.5 mm
  Lettering field height: 5 mm
  Type of packaging: large roll

Notes:

If processing large rolls with the THERMOMARK ROLL or THERMOMARK ROLL 2.0, use the THERMOMARK ROLL-ERH external media hub. See printers, page 40.



Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications, transparent and white

Technical data

General data	
Can be marked with	THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material	Polyester
Temperature range [°C]	-40 ... 150
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Labels, on a large roll, can be marked with a thermal transfer printer				
1 roll = 10,000 labels	yellow			
1 roll = 1000 labels	yellow			
1 roll = 10,000 labels	white	**EML (16,5X5)RL**	0816113	1
1 roll = 10,000 labels	yellow			
1 roll = 10,000 labels	yellow			
1 roll = 10,000 labels	yellow			
1 roll = 1000 labels	white	**EML (19X6)RL**	1060223	1
1 roll = 10,000 labels	yellow			
1 roll = 10,000 labels	white	**EML (25,4X12,7)RL**	0816087	1
1 roll = 10,000 labels	white	**EML (38,1X19)RL**	0816171	1
1 roll = 3000 labels	white	**EML (50,8X25,4)RL**	0816184	1
1 roll = 3000 labels	white	**EML (69,8X31,8)RL**	0816197	1
Labels, on a large roll, can be marked with a thermal transfer printer				
1 roll = 20,000 labels	white	**EML (20X8)RXL**	0802762	1
Labels, round, 17.5 mm in diameter				
1 roll = 2500 labels	white	**EML (D17,5)R**	0815774	1
Labels as standard, large roll and continuous label, color: transparent, can be marked with a thermal transfer printer				
1 roll = 2500 labels	transparent	**EML (25,4X12,7)R TR**	0801841	1
1 roll = 90 m continuous, height: 37 mm	transparent	**EML (37XE)RL TR**	0815716	1
1 roll = 1000 labels	transparent	**EML (51X12,5)R TR**	0815745	1
Continuous labels, can be marked with thermal transfer printers, can be separated with a cutter, pitch as desired, strip length up to 1000 mm				
1 roll = 40 m continuous, height: 20 mm	white	**EML (20XE)R**	0803452	1
1 roll = 40 m continuous, height: 40 mm	white	**EML (40XE)R**	0804540	1
1 roll = 40 m continuous, height: 60 mm	white	**EML (60XE)R**	0804542	1
1 roll = 40 m continuous, height: 70 mm	white	**EML (70XE)R**	0803438	1
1 roll = 40 m continuous, height: 110 mm	white	**EML (110XE)R**	0815596	1
Labels, on a large roll, can be marked with a thermal transfer printer				
1 roll = 90 m continuous, height: 100 mm	silver/matt			

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1

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Unmarked or marked according to customer specifications, yellow



Unmarked or marked according to customer specifications, silver

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
EML (15X6)RL YE	0804548	1
EML (15X9)RL YE	0804677	1
EML (16,5X5)RL YE	0816126	1
EML (17,5X8)RL YE	0816139	1
EML (18X6)RL YE	0828460	1
EML (18X7)RL YE	0802733	1
EML (20X8)RL YE	0816155	1
EML (20XE)R YE	0803453	1
EML (40XE)R YE	0804541	1
EML (60XE)R YE	0804543	1
EML (110XE)R YE	0815606	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
EML (110XE)R SR	0801994	1
EML (100XE)RL SR	0815787	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1

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Stick-on equipment marking



The EMLP ...self-adhesive markers are particularly suitable for marking electrical components, devices, and buttons.

– The markers meet the same standards as the engraved labels and have a high-quality look
– Quick and cost-effective marking with THERMOMARK ROLL ... printers from Phoenix Contact
– When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
– Marking service: Phoenix Contact can custom-mark many EMLP ... markers according to your requirements
– **Designation example:**
  EMLP (13x9)R
  Lettering field width: 13 mm
  Lettering field height: 9 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Labels, can be marked with a thermal transfer printer				
1 roll = 500 labels	white	**EMLP (13X9)R**	0819453	1
1 roll = 500 labels	white	**EMLP (17X7)R**	0826844	1
1 roll = 500 labels	white	**EMLP (17,5X12)R**	0819466	1
1 roll = 3000 labels	white	**EMLP (17,5X15)R**	0802684	1
1 roll = 500 labels	white	**EMLP (20X7)R**	0819479	1
1 roll = 500 labels	white	**EMLP (20X8)R**	0819482	1
1 roll = 500 labels	white	**EMLP (22X12)R**	0819495	1
1 roll = 500 labels	white	**EMLP (27X12,5)R**	0804488	1
1 roll = 500 labels	white	**EMLP (45X15)R**	0801820	1
1 roll = 500 labels	white	**EMLP (45X25)R**	0802727	1
1 roll = 250 labels	white	**EMLP (60X30)R**	0819505	1
1 roll = 500 labels	white	**EMLP (65X25)R**	0802728	1
1 roll = 3000 labels	silver	**EMLP (17,5X15)R SR**	0802685	1
1 roll = 500 labels	silver	**EMLP (22X22)R SR**	0825528	1
1 roll = 500 labels	silver	**EMLP (27X8)R SR**	0819518	1
1 roll = 500 labels	silver	**EMLP (27X12,5)R SR**	0819521	1
1 roll = 500 labels	silver	**EMLP (27X18)R SR**	0819534	1
1 roll = 500 labels	silver	**EMLP (27X27)R SR**	0827467	1
1 roll = 500 labels	silver	**EMLP (45X15)R SR**	0819547	1
1 roll = 250 labels	silver	**EMLP (60X30)R SR**	0801729	1
1 roll = 250 labels	blue	**EMLP (60X30)R BU**	0804275	1
1 roll = 250 labels	red	**EMLP (60X30)R RD**	0804276	1
Diameter: 30 mm 1 roll = 500 labels, diameter: 30 mm	white	**EMLP (D30)R RD**	0803437	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm **THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm **THERMOMARK-RIBBON 110/50**	0800687	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm **TM-RIBBON 110 WH 100**	0804661	1

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Stick-on equipment marking, continuous



The EMLP (Ex...)R ... self-adhesive continuous markers are particularly suitable for marking miniature circuit breakers and housing covers in service panels

- The markers meet the same standards as the engraved labels and have a high-quality look
- Exact marking with the PROJECT complete marking software
- Quick and cost-effective marking with THERMOMARK ROLL ... printers from Phoenix Contact
- The thermal transfer printer cutting units make it possible to quickly and cleanly trim equipment markings precisely to the required length
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark many EMLP ... markers according to your requirements
- **Designation example:**
  EMLP (Ex15)R
  Lettering field length: continuous
  Lettering field height: 15 mm
  Type of packaging: roll

Notes:

[1]) EMLP (Ex30)R ... can only be cut with the perforation cutter of the THERMOMARK ROLLMASTER or THERMOMARK X1.2.

Can be marked using:



Thermal transfer for rolls

PRINTED FOR YOU



Unmarked or marked according to customer specifications

Technical data

General data	
Can be marked with	THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material	Polyester
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Continuous labels, can be marked with thermal transfer printers, strip length up to 1000 mm, 1 roll = 20 m continuous, height: 15 mm	white	**EMLP (EX15)R**	0802686	1
	silver	**EMLP (EX15)R SR**	0802687	1
	yellow	**EMLP (EX15)R YE**	0803276	1
	black	**EMLP (EX15)R BK**	0803279	1
	blue	**EMLP (EX15)R BU**	0803277	1
	red	**EMLP (EX15)R RD**	0803280	1
Continuous labels, can be marked with thermal transfer printers, strip length up to 1000 mm,[1]) 1 roll = 20 m continuous, height: 30 mm	white	**EMLP (EX30)R**	0802688	1
	silver	**EMLP (EX30)R SR**	0802689	1
		EMLP (EX30)R BU	0804281	1
	red	**EMLP (EX30)R RD**	0803436	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm	**TM-RIBBON 110 WH 100**	0804661	1

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Stick-on equipment marking, for 24 mm buttons



- The EMLP 24 ... and EMLP 30 ... self-adhesive markers are particularly suitable for marking electrical buttons and indicator lamps on consoles or control cabinets
- The markers meet the same standards as the engraved labels and have a high-quality look
- Quick and cost-effective marking with THERMOMARK ROLL ... printers from Phoenix Contact
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark many EMLP ... markers according to your requirements
- **Designation example:**
  EMLP 24 (30x12)R
  Hole diameter: 24 mm
  Lettering field width: 30 mm
  Lettering field height: 12 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls





Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

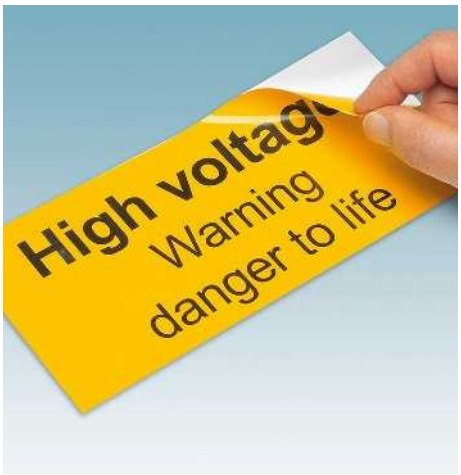
Description	Color	Type	Order No.	Pcs./Pkt.
Continuous labels, for 24 mm and 30 mm buttons, can be marked with thermal transfer printers				
1 roll = 500 labels	white	**EMLP 24 (30X12)R**	0819550	1
1 roll = 500 labels	silver	**EMLP 24 (30X12)R SR**	0819563	1
Markers for 30 mm buttons, can be marked with thermal transfer printers				
1 roll = 500 labels	white	**EMLP 30 (45X10)R**	0801855	1
1 roll = 500 labels	yellow	**EMLP 30 (45X10)R YE**	0801857	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1

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Highly flexible PVC stick-on equipment marking



The EMLF label consists of soft, highly flexible PVC film that molds itself to uneven surfaces.

– Outdoor-durable for up to eight years when subject to a temperature range of -40°C to 90°C
– Extremely high-quality appearance
– When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
– Marking service: Phoenix Contact can custom-mark many EMLF ... labels according to your requirements
– **Designation example:**
  EMLF (108xE)R
  Lettering field length: continuous
  Lettering field height: 108 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

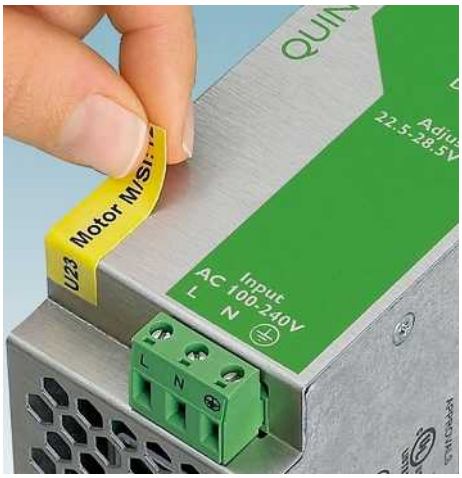
Description	Color	Type	Order No.	Pcs./Pkt.
Labels, flexible, can be marked with a thermal transfer printer				
1 roll = 250 labels	silver	**EMLF (85X32)R SR**	0800680	1
Continuous labels, flexible, can be marked with thermal transfer printers, can be separated with a cutter, pitch as desired, strip length up to 1000 mm,				
1 roll = 48 m continuous, height: 50 mm	yellow	**EMLF (50XE)R YE**	0804678	1
1 roll = 48 m continuous, height: 108 mm	white	**EMLF (108XE)R**	0800549	1
1 roll = 48 m continuous, height: 108 mm	silver	**EMLF (108XE)R SR**	0800551	1
1 roll = 48 m continuous, height: 108 mm	yellow	**EMLF (108XE)R YE**	0800550	1
1 roll = 48 m continuous, height: 108 mm	blue	**EMLF (108XE)R BU**	0804197	1
1 roll = 48 m continuous, height: 108 mm	orange	**EMLF (108XE)R OG**	0804199	1
1 roll = 48 m continuous, height: 108 mm	red	**EMLF (108XE)R RD**	0804198	1
1 roll = 48 m continuous, height: 108 mm	transparent	**EMLF (108XE)R TR**	0800552	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm	**TM-RIBBON 110 WH 100**	0804661	1

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Highly-flexible stick-on textile foil



The EMLC consists of a textile foil with very low restoring forces.

– Enables labels to be stuck over edges and curves
– When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
– Marking service: Phoenix Contact can custom-mark many EMLC ... labels according to your requirements
– **Designation example:**
  EMLC (5,5x20)R
  Lettering field width: 5.5 mm
  Lettering field height: 20 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		PA
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Textile labels				
1 roll = 10,000 labels	white	**EMLC (5,5X20)R**	0817617	1
1 roll = 5000 labels	white	**EMLC (5,5X40)R**	0817620	1
1 roll = 2500 labels	white	**EMLC (15X9)R**	0804527	1
1 roll = 2500 labels	white	**EMLC (17,5X8)R**	0804528	1
1 roll = 2500 labels	white	**EMLC (20X8)R**	0815680	1
1 roll = 1000 labels	white	**EMLC (40X8)R**	0800554	1
1 roll = 2500 labels	yellow	**EMLC (15X9)R YE**	0800236	1
1 roll = 2500 labels	yellow	**EMLC (17,5X8)R YE**	0800237	1
1 roll = 2500 labels	yellow	**EMLC (20X8)R YE**	0800235	1
1 roll = 10,000 labels	yellow	**EMLC (20X8)RL YE**	0815800	1
1 roll = 2500 labels	yellow	**EMLC (25X8)R YE**	0800240	1
1 roll = 2500 labels	yellow	**EMLC (25,4X12,7)R YE**	0800238	1
1 roll = 1000 labels	yellow	**EMLC (38X17)R YE**	0800557	1
1 roll = 1000 labels	yellow	**EMLC (40X8)R YE**	0800555	1
1 roll = 750 labels	yellow	**EMLC (51X25)R YE**	0800558	1
Textile label, size according to customer specifications				
W x H: max. 100 mm x max. 500 mm	white	**EMLC (...X...)R**	0803084	1
	yellow	**EMLC (...X...)R YE**	0803085	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

Equipment marking for sticking onto rough or textured surfaces



The EML-HA features a special adhesive with excellent adhesive strength, which means that it can be attached to rough, textured, and low-energy surfaces.

– When combined with the right ink ribbon, the marking is highly resistant to chemical and mechanical influences, and can also be used under harsh industrial conditions
– The EML-HA ... materials are UL-listed
– Marking service: Phoenix Contact can custom-mark many EML-HA ... labels according to your requirements
– **Designation example:**
  EML-HA (15x9)R
  Lettering field width: 15 mm
  Lettering field height: 9 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Labels, for rough surfaces, highly adhesive, color: white, can be marked with thermal transfer printer				
1 roll = 2500 labels	white	**EML-HA (15X9)R**	0830600	1
1 roll = 2500 labels	white	**EML-HA (19X6)R**	0830601	1
1 roll = 2500 labels	white	**EML-HA (26,5X12)R**	0830603	1
1 roll = 2500 labels	white	**EML-HA (40X8)R**	0830604	1
1 roll = 1000 labels	white	**EML-HA (40X15)R**	0830605	1
1 roll = 1000 labels	white	**EML-HA (51X25)R**	0830729	1
1 roll = 1000 labels	white	**EML-HA (60X30)R**	0830606	1
1 roll = 1000 labels	white	**EML-HA (70X32)R**	0830607	1
1 roll = 1000 labels	white	**EML-HA (70X50)R**	0830730	1
1 roll = 250 labels	white	**EML-HA (70X150)R**	0830608	1
1 roll = 1000 labels	white	**EML-HA (76X51)R**	0830609	1
1 roll = 1000 labels	white	**EML-HA (85X32)R**	0830610	1
1 roll = 300 labels	white	**EML-HA (100X73)R**	0830731	1
1 roll = 250 labels	white	**EML-HA (100X90)R**	0830732	1
Labels, for rough surfaces, highly adhesive, color: silver, can be marked with thermal transfer printer				
1 roll = 2500 labels	silver	**EML-HA (15X9)R SR**	0830611	1
1 roll = 2500 labels	silver	**EML-HA (19X6)R SR**	0830612	1
1 roll = 2500 labels	silver	**EML-HA (26,5X12)R SR**	0830614	1
1 roll = 2500 labels	silver	**EML-HA (40X8)R SR**	0830615	1
1 roll = 1000 labels	silver	**EML-HA (40X15)R SR**	0830616	1
1 roll = 1000 labels	silver	**EML-HA (51X25)R SR**	0830733	1
1 roll = 1000 labels	silver	**EML-HA (60X30)R SR**	0830617	1
1 roll = 1000 labels	silver	**EML-HA (70X32)R SR**	0830618	1
1 roll = 1000 labels	silver	**EML-HA (70X50)R SR**	0830734	1
1 roll = 250 labels	silver	**EML-HA (70X150)R SR**	0830619	1
1 roll = 1000 labels	silver	**EML-HA (76X51)R SR**	0830620	1
1 roll = 1000 labels	silver	**EML-HA (85X32)R SR**	0830621	1
1 roll = 300 labels	silver	**EML-HA (100X73)R SR**	0830735	1
1 roll = 250 labels	silver	**EML-HA (100X90)R SR**	0830736	1
Label, for rough plastic surfaces, highly adhesive, according to customer specifications				
W x H: max. 100 mm x max. 500 mm	white	**EML-HA (...X...)R**	0803089	1
	silver	**EML-HA (...X...)R SR**	0803091	1
1 roll = 40 m continuous, height: 108 mm	white	**EML-HA (108XE)R**	0804647	1
	yellow	**EML-HA (108XE)R YE**	0804648	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm			
	THERMOMARK-RIBBON 110	5145384	1
	THERMOMARK-RIBBON 110/50	0800687	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Stick-on equipment marking, for high-temperature applications



The EML-HT is made of an acrylate film that is highly temperature-resistant. EML-HT can be used for PCB marking and in all industrial soldering processes.

- Continuous temperature range of -40°C to +180°C; up to 300°C for up to 60 seconds
- When combined with the THERMOMARK-RIBBON 110 EML-HT ink ribbon, the marking is highly resistant to high temperatures and chemicals
- The EML-HT ... materials are UL-listed
- Marking service: Phoenix Contact can custom-mark many EML-HT ... labels according to your requirements
- Single-width large roll with 8000 or 10,000 labels in one length (see illustration below)
- **Designation example: EML-HT (15x9)R**
  Lettering field width: 15 mm
  Lettering field height: 9 mm
  Type of packaging: roll

Notes:

If processing large rolls with the THERMOMARK ROLL or THERMOMARK ROLL 2.0, use the THERMOMARK ROLL-ERH external media hub. See printers, page 40.

Can be marked using:

Thermal transfer for rolls

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Unmarked or marked according to customer specifications

Technical data

General data	
Can be marked with	THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material	Acrylate
Temperature range [°C]	-40 ... 180
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
High-temperature labels				
1 roll = 4000 labels	white	**EML-HT (15X6)R**	0830644	1
1 roll = 4000 labels	white	**EML-HT (15X15)R**	0800341	1
1 roll = 4000 labels	white	**EML-HT (20X7)R**	0830645	1
1 roll = 1000 labels	white	**EML-HT (40X15)R**	0800339	1
1 roll = 1000 labels	white	**EML-HT (50X10)R**	0800338	1
High-temperature labels, on a large roll, can be marked with a thermal transfer printer				
1 roll = 10,000 labels	white	**EML-HT (8X8)RL-T**	0830651	1
1 roll = 10,000 labels	white	**EML-HT (15X6)RL-T**	0830652	1
1 roll = 8000 labels	white	**EML-HT (15X15)RL-T**	0830653	1
1 roll = 10,000 labels	white	**EML-HT (20X7)RL-T**	0830654	1
1 roll = 10,000 labels	white	**EML-HT (24X4)RL-T**	0830655	1
1 roll = 10,000 labels	white	**EML-HT (25X8)RL-T**	0830656	1
1 roll = 10,000 labels	white	**EML-HT (25,4X12,7)RL-T**	0830657	1
1 roll = 10,000 labels	white	**EML-HT (32X10)RL-T**	0830658	1
1 roll = 10,000 labels	white	**EML-HT (35X6,5)RL-T**	0830659	1
1 roll = 8000 labels	white	**EML-HT (40X15)RL-T**	0830660	1
1 roll = 10,000 labels	white	**EML-HT (45X5)RL-T**	0830661	1
1 roll = 10,000 labels	white	**EML-HT (50X10)RL-T**	0830662	1
High-temperature labels, according to customer specifications				
W x H: max. 100 mm x max. 500 mm	white	**EML-HT (...X...)R**	0803086	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm		
THERMOMARK-RIBBON 110-EML-HT	0800342	1



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Stick-on equipment marking, for ESD applications



The EML-RM is ideal for temporary marking.

- The label adheres well and reliably, but can also be easily removed again without any leftover residue. Once removed, it cannot be reused
- When combined with the right ink ribbon, the marking is highly resistant to solvents
- The EML-ESD ... materials are UL-listed
- Marking service: Phoenix Contact can custom-mark many EML-ESD ... markers according to your requirements
- Single-width large roll with 8000 or 10,000 labels in one length (see figure below)
- **Designation example: EML-ESD (8x8)R**
  Lettering field width: 8 mm
  Lettering field height: 8 mm
  Type of packaging: roll

Notes:

If processing large rolls with the THERMOMARK ROLL or THERMOMARK ROLL 2.0, use the THERMOMARK ROLL-ERH external media hub. See printers, page 40.



Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

Technical data

General data	
Can be marked with	THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material	Polyester
Temperature range [°C]	-40 ... 150
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Labels, for ESD applications, can be marked with a thermal transfer printer				
1 roll = 4000 labels	white	**EML-ESD (8X8)R**	0830564	1
1 roll = 4000 labels	white	**EML-ESD (15X6)R**	0830565	1
1 roll = 4000 labels	white	**EML-ESD (15X15)R**	0830566	1
1 roll = 4000 labels	white	**EML-ESD (20X7)R**	0830567	1
1 roll = 4000 labels	white	**EML-ESD (24X4)R**	0830568	1
1 roll = 4000 labels	white	**EML-ESD (25X8)R**	0830569	1
1 roll = 2500 labels	white	**EML-ESD (25,4X12,7)R**	0830570	1
1 roll = 2500 labels	white	**EML-ESD (35X6,5)R**	0830572	1
1 roll = 2500 labels	white	**EML-ESD (40X15)R**	0830573	1
1 roll = 1000 labels	white	**EML-ESD (50X10)R**	0830575	1
Labels, for ESD applications, on large rolls, can be marked with a thermal transfer printer				
1 roll = 10,000 labels	white	**EML-ESD (8X8)RL-T**	0830576	1
1 roll = 10,000 labels	white	**EML-ESD (15X6)RL-T**	0830577	1
1 roll = 8000 labels	white	**EML-ESD (15X15)RL-T**	0830578	1
1 roll = 10,000 labels	white	**EML-ESD (20X7)RL-T**	0830579	1
1 roll = 10,000 labels	white	**EML-ESD (24X4)RL-T**	0830580	1
1 roll = 10,000 labels	white	**EML-ESD (25X8)RL-T**	0830581	1
1 roll = 10,000 labels	white	**EML-ESD (25,4X12,7)RL-T**	0830582	1
1 roll = 10,000 labels	white	**EML-ESD (32X10)RL-T**	0830583	1
1 roll = 10,000 labels	white	**EML-ESD (35X6,5)RL-T**	0830584	1
1 roll = 8000 labels	white	**EML-ESD (40X15)RL-T**	0830585	1
1 roll = 10,000 labels	white	**EML-ESD (45X5)RL-T**	0830586	1
1 roll = 10,000 labels	white	**EML-ESD (50X10)RL-T**	0830587	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm		
THERMOMARK-RIBBON 110	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm		
THERMOMARK-RIBBON 110/50	0800687	1

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Stick-on equipment marking, removable



The EML-RM is ideal for temporary marking.

– The label adheres well and reliably, but can also be easily removed again without any leftover residue. Once removed, it cannot be reused
– When combined with the right ink ribbon, the marking is highly resistant to solvents
– The EML-RM ... materials are UL-listed
– Marking service: Phoenix Contact can custom-mark many EML-RM ... markers according to your requirements
– Single-width large roll with 8000 or 10,000 labels in one length (see figure below)
– **Designation example: EML-RM (8x8)R**
  Lettering field width: 8 mm
  Lettering field height: 8 mm
  Type of packaging: roll

Notes:

If processing large rolls with the THERMOMARK ROLL or THERMOMARK ROLL 2.0, use the THERMOMARK ROLL-ERH external media hub. See printers, page 40.



Can be marked using:



Thermal transfer for rolls

PRINTED FOR YOU



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Labels, removable, can be marked with a thermal transfer printer				
1 roll = 4000 labels	white	**EML-RM (8X8)R**	0830528	1
1 roll = 4000 labels	white	**EML-RM (15X6)R**	0830529	1
1 roll = 4000 labels	white	**EML-RM (15X15)R**	0830530	1
1 roll = 4000 labels	white	**EML-RM (20X7)R**	0830531	1
1 roll = 4000 labels	white	**EML-RM (24X4)R**	0830532	1
1 roll = 40 m	white	**EML-RM (25XE)R**	0803713	1
1 roll = 300 m	white	**EML-RM (25XE)RL**	0804195	1
1 roll = 4000 labels	white	**EML-RM (25X8)R**	0830533	1
1 roll = 2500 labels	white	**EML-RM (25,4X12,7)R**	0830534	1
1 roll = 2500 labels	white	**EML-RM (35X6,5)R**	0830536	1
1 roll = 2500 labels	white	**EML-RM (40X15)R**	0830537	1
1 roll = 2500 labels	white	**EML-RM (45X5)R**	0830538	1
1 roll = 1000 labels	white	**EML-RM (70X50)R**	0803186	1
Labels, removablen, on a large roll, can be marked with a thermal transfer printer				
1 roll = 10,000 labels	white	**EML-RM (8X8)RL-T**	0830540	1
1 roll = 10,000 labels	white	**EML-RM (15X6)RL-T**	0830541	1
1 roll = 8000 labels	white	**EML-RM (15X15)RL-T**	0830542	1
1 roll = 10,000 labels	white	**EML-RM (20X7)RL-T**	0830543	1
1 roll = 10,000 labels	white	**EML-RM (24X4)RL-T**	0830544	1
1 roll = 10,000 labels	white	**EML-RM (25X8)RL-T**	0830545	1
1 roll = 10,000 labels	white	**EML-RM (25,4X12,7)RL-T**	0830546	1
1 roll = 10,000 labels	white	**EML-RM (32X10)RL-T**	0830547	1
1 roll = 10,000 labels	white	**EML-RM (35X6,5)RL-T**	0830548	1
1 roll = 8000 labels	white	**EML-RM (40X15)RL-T**	0830549	1
1 roll = 10,000 labels	white	**EML-RM (45X5)RL-T**	0830550	1
1 roll = 10,000 labels	white	**EML-RM (50X10)RL-T**	0830551	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1

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Stick-on equipment marking, detectable

new





Thermal transfer for rolls



Unmarked

The EML-D is a detectable label for marking various types of equipment in controller, systems, and control cabinet manufacturing in the food industry

– The EML-D features a continuous aluminum foil strip that makes the label detectable
– Thanks to its excellent adhesive strength, this label can be attached to rough, textured, and low-energy surfaces
– When combined with the TM-RIBBON 110-EX ink ribbon, the printing is highly resistant to solvents, aggressive cleaning agents, acetone, and ethanol
– **Designation example: EMLD (40x15)R**
  Lettering field width: 40 mm
  Lettering field height: 15 mm
  Type of packaging: roll

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Detectable labels, can be marked with a thermal transfer printer				
1 roll = 1000 labels	white	**EML-D (40X15)R**	1054876	1
1 roll = 1000 labels	white	**EML-D (60X30)R**	1054878	1
Detectable labels, can be marked with a thermal transfer printer				
1 roll = 1000 labels	silver	**EML-D (40X15)R SR**	1054877	1
1 roll = 1000 labels	silver	**EML-D (60X30)R SR**	1054879	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 280 m, width: 110 mm	**TM-RIBBON 110-EX**	0803211	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Stick-on equipment marking, with anti-tamper protection



The EMLS is a tamper-proof label that can be used as a rating plate or seal.

– When peeled off, part of the metallic layer comes away. It leaves a triangular pattern on the label and substrate. Reliable safety function up to 80°C
– When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
– The EMLS ... materials are UL-listed
– Marking service: Phoenix Contact can custom-mark many EMLS ... markers according to your requirements
– **Designation example:**
  EMLS (15x9)R SR
  Lettering field size: 15 x 9 mm
  Type of packaging: roll

Notes:

If processing large rolls with the THERMOMARK ROLL or THERMOMARK ROLL 2.0, use the THERMOMARK ROLL-ERH external media hub. See printers, page 40.

Can be marked using:

Thermal transfer for rolls



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Safety labels, can be marked with thermal transfer printer				
1 roll = 2500 labels	silver	**EMLS (15X9)R SR**	0800347	1
1 roll = 2500 labels	silver	**EMLS (19X6)R SR**	0800343	1
1 roll = 1000 labels	silver	**EMLS (20X20)R SR**	0800344	1
1 roll = 1000 labels	silver	**EMLS (26,5X12)R SR**	0800353	1
1 roll = 1000 labels	silver	**EMLS (38,1X19)R SR**	0800354	1
1 roll = 1000 labels	silver	**EMLS (40X8)R SR**	0800348	1
1 roll = 1000 labels	silver	**EMLS (40X15)R SR**	0800345	1
1 roll = 500 labels	silver	**EMLS (60X30)R SR**	0800355	1
1 roll = 500 labels	silver	**EMLS (70X32)R SR**	0800346	1
1 roll = 100 labels	silver	**EMLS (70X150)R SR**	0800351	1
1 roll = 250 labels	silver	**EMLS (76X51)R SR**	0800350	1
1 roll = 250 labels	silver	**EMLS (85X32)R SR**	0800356	1
1 roll = 3000 labels	silver	**EMLS (100X50)RL SR**	1080203	1
Safety label, with special adhesive, according to customer specifications W x H: max. 100 mm x max. 500 mm	silver	**EMLS (...X...)R SR**	0803088	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Equipment marking for rotary switches from Phoenix Contact



The EML-RS for marking rotary switches from Phoenix Contact.

- For either sticking on or snapping in with transparent EMPPR (45,8x45,8) cover
- Additional protection under extreme ambient conditions with the transparent EMPPR (45,8x45,8) cover
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
- The EML-RS ... materials are UL-listed
- Marking service: Phoenix Contact can custom-mark many EML-RS ... labels according to your requirements
- **Designation example:**
  EML-RS (45,8x45,8)R
  Lettering field width: 45.7 mm
  Lettering field height: 45.7 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK ROLL 2.0 • THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

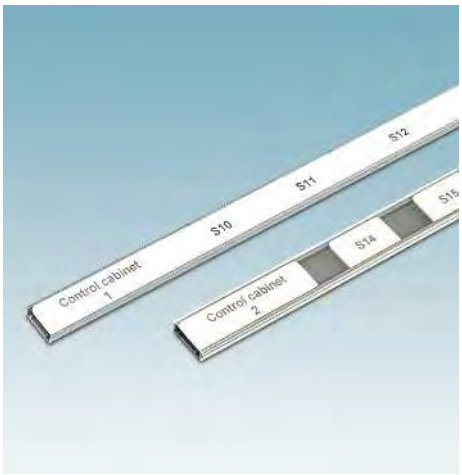
Description	Color	Type	Order No.	Pcs./Pkt.
Labels, can be marked with a thermal transfer printer				
1 roll = 250 labels	white	**EML-RS (45,7X45,7)R**	0803387	1
1 roll = 250 labels	silver	**EML-RS (45,7X45,7)R SR**	0803187	1

Accessories

Snap-in shock protection, for RS20-... rotary switches, transparent	**EMPPR (45,8X45,8)**	0803389	25
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Equipment marking via insert labels



The EMT (EX15)R marking material in continuous format is designed to be snapped into the CARRIER-EMP ... and CARRIER/L-EMP ... carrier profile

- Exact marking with the PROJECT complete marking software
- Quick and cost-effective marking with THERMOMARK ... roll printers from Phoenix Contact
- The thermal transfer printer cutting units make it possible to quickly and cleanly trim equipment markings precisely to the required length
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark many EMT ... markers according to your requirements
- **Designation example:**
  EMT (Ex15)R
  Lettering field length: continuous
  Lettering field height: 15 mm
  Type of packaging: roll

Notes:
For corresponding CARRIER-EMP... carrier profiles, see phoenixcontact.net/products
If processing large rolls with the THERMOMARK ROLL or THERMOMARK ROLL 2.0, use the THERMOMARK ROLL-ERH external media hub. See printers, page 40.

Can be marked using:



Thermal transfer for rolls

PRINTED FOR YOU



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		PVC
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Continuous insert strips, can be marked with thermal transfer printers, can be separated with a cutter, pitch as desired, strip length up to 1000 mm				
1 roll = 50 m continuous, height: 15 mm	white	**EMT (EX15)R**	0830671	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm			
	TM-RIBBON 25 BK 102	1053499	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Snap-in device makers for Axioline systems from Phoenix Contact



The EMT ... marking materials are insert strips for marking Axioline and Inline modules from Phoenix Contact

- Quick and cost-effective marking with THERMOMARK ... roll printers from Phoenix Contact
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
- An overview of the devices that support marking can be found starting on page 262
- Marking service: Phoenix Contact can custom-mark many EMT ... markers according to your requirements
- **Designation example:**
  EMT (35x18,7)R
  Lettering field width: 35 mm
  Lettering field height: 18.7 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

Technical data

General data	
Can be marked with	THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material	Polyester
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Insert strips for Axioline modules, can be marked with thermal transfer printers				
1 roll = 500 insert strips	white	**EMT (35X18,7)R**	0801831	1
1 roll = 500 insert strips	white	**EMT (35X28)R**	0801602	1
	yellow	**EMT (35X28)R YE**	0801603	1
1 roll = 500 insert strips	white	**EMT (35X46)R**	0801604	1
	yellow	**EMT (35X46)R YE**	0801605	1
1 roll = 500 labels, lettering field size: 44 x 7 mm	white	**EMT (44X7)R**	0819275	1
1 roll = 500 labels, lettering field size: 60 x 10 mm	white	**EMT (60X10)R**	0804288	1
1 roll = 500 insert strips	white	**EMT (62X10)R**	0800057	1
	yellow	**EMT (62X10)R YE**	0800477	1
1 roll = 250 insert strips	white	**EMT (62X46)R**	0800059	1
	yellow	**EMT (62X46)R YE**	0800478	1
1 roll = 1000 insert strips	white	**EMT (80X15,5)R**	0804286	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm		
THERMOMARK-RIBBON 110-WMTB HF	5148007	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Device markers for Siemens controllers

The EMT ... marking materials are insert strips for marking SIEMENS PLC controllers and components from other manufacturers.

– Quick and cost-effective marking with THERMOMARK ... roll printers from Phoenix Contact
– When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
– An overview of the devices that support marking can be found starting on page 262
– Marking service: Phoenix Contact can custom-mark many EMT ... markers according to your requirements
– **Designation example:**
  EMT (9,8x38,2)R TQ
  Lettering field width: 9.8 mm
  Lettering field height: 38.2 mm
  Color: turquoise
  Type of packaging: roll

Notes:

For additional information on the use of Siemens devices, see the product area on our website at phoenixcontact.net/products.

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

Technical data

General data	
Can be marked with	THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material	Polyester
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Insert strips, can be marked with thermal transfer printer				
1 roll = 500 insert strips	turquoise	**EMT (9,8X38,2)R TQ**	0803893	1
	yellow	**EMT (9,8X38,2)R YE**	0803892	1
1 roll = 500 insert strips	white	**EMT (13X109)R**	0803894	1
	gray	**EMT (13X109)R GY**	0803898	1
	turquoise	**EMT (13X109)R TQ**	0803897	1
	yellow	**EMT (13X109)R YE**	0803895	1
1 roll = 500 insert strips	white	**EMT (23X109)R**	0803457	1
	turquoise	**EMT (23X109)R TQ**	0803458	1
	yellow	**EMT (23X109)R YE**	0803459	1
	gray	**EMT (23X109)R GY**	0803460	1
1 roll = 500 insert strips	white	**EMT (31X12,5)R**	0800008	1
	yellow	**EMT (31X12,5)R YE**	0802764	1
	gray	**EMT (31X12,5)R GY**	0801612	1
	turquoise	**EMT (31X12,5)R TQ**	1073887	1
1 roll = 500 insert strips	white	**EMT (50X18,8)R**	1003224	1
	gray	**EMT (50X18,8)R GY**	1003223	1
1 roll = 500 insert strips	white	**EMT (50X26)R**	0800052	1
	turquoise	**EMT (50X26)R TQ**	0800053	1
	yellow	**EMT (50X26)R YE**	0800054	1
1 roll = 500 insert strips	white	**EMT (103X17)R**	0800039	1
	turquoise	**EMT (103X17)R TQ**	0800041	1
	yellow	**EMT (103X17)R YE**	0800436	1
1 roll = 500 insert strips	white	**EMT (103X23)R**	0800040	1
	yellow	**EMT (103X23)R YE**	0800437	1
	turquoise	**EMT (103X23)R TQ**	0800042	1
Insert strips with two lettering field sizes, can be marked with thermal transfer printers, 1 roll = 500 insert strips each, lettering field size: 50 x 12.8 mm and 27.5 x 12.8 mm	white	**EMT (50/28X13)R**	0800049	1
	yellow	**EMT (50/28X13)R YE**	0800438	1
	turquoise	**EMT (50/28X13)R TQ**	0800050	1
	red	**EMT (50/28X13)R RD**	0832082	1
Continuous insert strips, can be marked with thermal transfer printers, can be separated with a cutter, pitch as desired, strip length: up to 1000 mm, 1 roll = 30 m continuous, width: 14 mm	white	**EMT (EX14)R**	0803461	1
	turquoise	**EMT (EX14)R TQ**	0803462	1
	yellow	**EMT (EX14)R YE**	0803463	1
1 roll = 30 m continuous, width: 17 mm	white	**EMT (EX17)R**	0804546	1
1 roll = 30 m continuous, width: 38 mm	white	**EMT (EX38)R**	0804547	1
1 roll = 30 m continuous, width: 40 mm	white	**EMT (EX40)R**	0804545	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1

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Stick-on equipment marking



– Specially developed labels for laser printers
– Can be printed on all standard laser printers
– The unperforated SK U ... sheets are available for custom label designs
– Marking service: Phoenix Contact can custom-mark many BMKL ... markers according to your requirements
– **Designation example:**
BMKL 12x12 WH
Lettering field width: 12 mm
Lettering field height: 12 mm
WH = white
Type of packaging: sheet

Notes:

Print image may vary depending on laser printer

Can be marked using:



Plotter



Office laser printing



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		PLOTMARK • CMS-P1-PLOTTER • Office printing systems
Material		Polyester
Temperature range	[°C]	-20 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

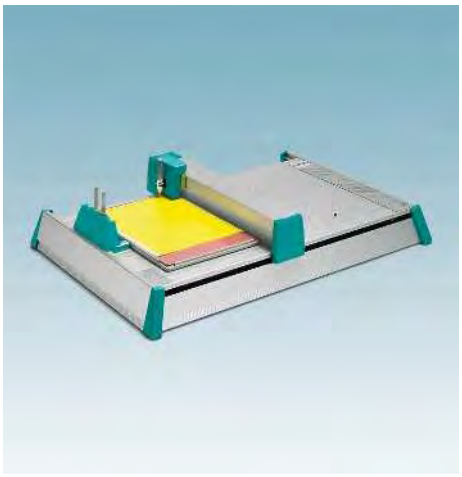
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Sheet of labels for laser printer, DIN A4				
1 sheet = 273 labels	white	**BMKL 12X12 WH**	5032361	10
1 sheet = 290 labels	white	**BMKL 15X 9 WH**	0803663	10
1 sheet = 396 labels	white	**BMKL 18X 6 WH**	5032293	10
1 sheet = 288 labels	white	**BMKL 18X 8 WH**	5032329	10
1 sheet = 224 labels	white	**BMKL 20X 8 WH**	5032280	10
1 sheet = 224 labels	white	**BMKL 25X 8 WH**	5032332	10
1 sheet = 147 labels	white	**BMKL 25X12 WH**	5032374	10
1 sheet = 228 labels	white	**BMKL 26,8X6,8 WH**	0807106	10
1 sheet = 63 labels	white	**BMKL 50X12 WH**	5032387	10
1 sheet = 45 labels	white	**BMKL 64X16 WH**	0821807	2
1 sheet = 21 labels	white	**BMKL 64X34 WH**	5032400	10
1 sheet = 290 labels	yellow	**BMKL 15X 9 YE**	5032497	10
1 sheet = 405 labels	yellow	**BMKL 16X 6 YE**	0807096	10
1 sheet = 288 labels	yellow	**BMKL 18X 8 YE**	5032170	10
1 sheet = 168 labels	yellow	**BMKL 19X11 YE**	0800705	10
1 sheet = 224 labels	yellow	**BMKL 20X 8 YE**	5032138	10
1 sheet = 162 labels	yellow	**BMKL 26X10 YE**	0811516	10
1 sheet = 45 labels	yellow	**BMKL 64X16 YE**	0821810	2
1 sheet = 192 labels	silver	**BMKL 27X 8 SR**	0803702	10
1 sheet = 126 labels	silver	**BMKL 27X12,5 SR**	0803676	10
1 sheet = 84 labels	silver	**BMKL 27X18 SR**	0803689	10
1 sheet = 54 labels	silver	**BMKL 27X27 SR**	0803692	10
Marking sheet, unperforated, self-adhesive, DIN A4 format				
	white	**SK U WH:UNGESTANZT**	0800129	10
	yellow	**SK U YE:UNGESTANZT**	0800132	10
	silver	**SK U SR:UNGESTANZT**	0800145	10
	transparent	**SK U TR:UNGESTANZT**	0806699	10



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Stick-on equipment marking

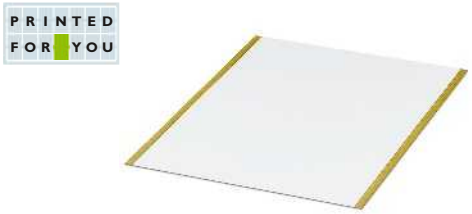


- Self-adhesive labels for marking by hand or with a plotter
- Secure adhesion even on curved or uneven surfaces as well as at corners
- Available in various dimensions
- Marking service: Phoenix Contact can custom-mark many EID ... markers according to your requirements

Can be marked using:



Plotter



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		PLOTMARK • CMS-P1-PLOTTER
Material		Polyester foil
Temperature range	[°C]	-40 ... 80
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
1 sheet = 324 labels	yellow	**BMK 15X 9 YE**	5031605	10
1 sheet = 198 labels	yellow	**BMK 19X11 YE**	5031582	10
1 sheet = 270 labels	yellow	**BMK 20X 8 YE**	5031388	10
1 sheet = 88 labels	yellow	**BMK 38X11 YE**	5031676	10

Accessories

Magazine for accommodating sheet material, self-adhesive mat for fixing labels, foils and paper, size of sheet max. DIN A4	**CMS-P1-PAD**	5144819	1

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Stick-on equipment marking, can be engraved or marked



- The label sheet is made up of prefabricated, individual self-adhesive labels
- The adhesive foil used ensures good adhesive properties, even on uneven surfaces
- Can be easily marked with plotter systems
- Can be engraved with engraving systems
- Two-layer material
- Marking service: Phoenix Contact can custom-mark many GPE ... markers according to your requirements
- **Designation example:**
  GPE 13x9 WH
  Lettering field width: 13 mm
  Lettering field height: 9 mm
  WH = white
  Type of packaging: sheet

Notes:

Matching magazines to accommodate the label sheets, see page 52.



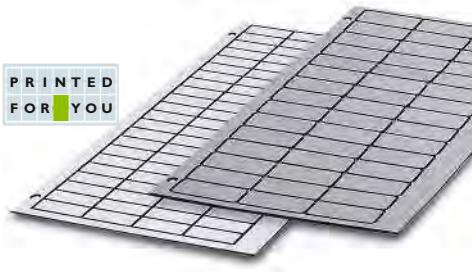
Can be marked using:



Plotter



Engraving



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		PLOTMARK • ENGRAVING UNIT • CMS-P1-PLOTTER • P1 ENGRAVING UNIT
Material		TRANSPLY-ABS
Temperature range	[°C]	-20 ... 85
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plastic label sheet, self-adhesive double-layer plastic labels, material thickness: 0.8 mm, square corners				
1 sheet = 120 labels	white	**GPE 13X 9 WH**	0806932	10
1 sheet = 75 labels	white	**GPE 17,5X12 WH**	0806916	10
1 sheet = 100 labels	white	**GPE 20X 7 WH**	0806990	10
1 sheet = 88 labels	white	**GPE 20X 8 WH**	0806945	10
1 sheet = 60 labels	white	**GPE 22X12 WH**	0806929	10
1 sheet = 9 labels	white	**GPE 52X26 WH**	0806958	10
1 sheet = 9 labels	white	**GPE 60X30 WH**	0806961	10
1 sheet = 21 labels	red/white	**GPE 60X12 RD-WH**	0824202	10
1 sheet = 5 labels	yellow	**GPE 70X32 YE**	0824215	10
1 sheet = 30 labels	silver	**GPE 28X17,5 SR**	0807889	10
Plastic label sheet, self-adhesive double-layer plastic labels, material thickness: 0.8 mm, with rounded corners, radius: 2 mm				
1 sheet = 66 labels	white	**GPE 27X 8 WH/R**	0815198	10
1 sheet = 30 labels	white	**GPE 27X18 WH/R**	0815208	10
1 sheet = 26 labels	white	**GPE 45X14 WH/R**	0815282	10
1 sheet = 21 labels	white	**GPE 60X12 WH/R**	0807630	10
1 sheet = 9 labels	white	**GPE 60X30 WH/R**	0815292	10
1 sheet = 32 labels	silver	**GPE 22X22 SR/R**	0806628	10
1 sheet = 66 labels	silver	**GPE 27X 8 SR/R**	0806877	10
1 sheet = 42 labels	silver	**GPE 27X12,5 SR/R**	0806880	10
1 sheet = 30 labels	silver	**GPE 27X18 SR/R**	0806893	10
1 sheet = 18 labels	silver	**GPE 27X27 SR/R**	0806903	10
1 sheet = 26 labels	silver	**GPE 45X14 SR/R**	0807009	10
1 sheet = 21 labels	silver	**GPE 60X12 SR/R**	0806631	10

Accessories

Engraving unit, for the PLOTMARK, incl. operating instructions (English/German), data CD and engraving chisel		
P1 ENGRAVING UNIT	5145546	1
Marking plotter, incl. power supply unit, connecting cable (Centronics and USB), CMS-PEN 0,25 pen, user manual, CLIP PROJECT planning and marking software		
CMS-P1-PLOTTER	5144615	1
Magazine for CMS-P1-PLOTTER and the PLOTMARK, for accommodating EMLP ... and GPE ... materials for engraving		
- 1 GPE label sheet		
CMS-P1-M/GPE ENGRAVING	5145711	1

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Stick-on equipment marking, can be engraved or marked



- High level of resistance to chemical and mechanical effects
- High-quality look
- Can be easily marked with plotter systems
- Can be engraved with engraving systems
- For marking components, devices, and buttons
- Marking service: Phoenix Contact can custom-mark many EMLP ... markers according to your requirements
- **Designation example: EMLP 24 (30x12)**
  Hole diameter: 24 mm
  Lettering field width: 30 mm
  Lettering field height: 12 mm
  Type of packaging: sheet

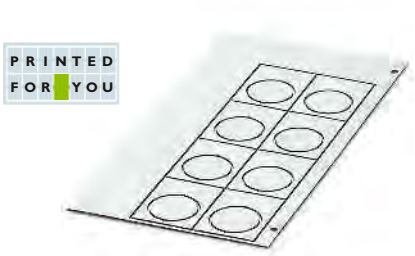
Can be marked using:



Plotter



Engraving



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		PLOTMARK • ENGRAVING UNIT • CMS-P1-PLOTTER • P1 ENGRAVING UNIT
Material		TRANSPLY-ABS
Temperature range	[°C]	-40 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plastic label sheet, with a hole for 24-mm-Ø pushbutton, self-adhesive double-layer plastic labels, material thickness: 0.8 mm				
1 sheet = 6 labels	white	**EMLP 24 (30X12)**	0822301	1
1 sheet = 6 labels	black	**EMLP 24 (30X12) BK**	0822314	1
1 sheet = 6 labels	silver	**EMLP 24 (30X12) SR**	0822330	1
Plastic label sheet, with a hole for 32-mm-Ø pushbutton, self-adhesive double-layer plastic labels, material thickness: 0.8 mm				
1 sheet = 6 labels	white	**EMLP 32 (38X14)**	0822291	1
1 sheet = 6 labels	black	**EMLP 32 (38X14) BK**	0822327	1
1 sheet = 6 labels	silver	**EMLP 32 (38X14) SR**	0822343	1

Accessories

Magazine, to accommodate 1 GPE label sheet			
	CMS-P1-M/GPE ENGRAVING	5145711	1

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Marker carriers





For snap-in labels

- The CARRIER-EMP ... marker carriers are used in conjunction with the UC-EMP ... / US-EMP ... and EMP-AL ... snap-in labels
- They ensure the clear identification of devices and control cabinets
- They can be assembled using screws or rivets

Technical data

General data		
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 105
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marker carrier, for UC-EMP ... / US-EMP .../ EMP-AL ... snap-in labels				
Marker size: 17 x 15 mm	black	**CARRIER-EMP (17X15)**	0827450	80
Marker size: 27 x 15 mm	black	**CARRIER-EMP (27X15)**	0827451	80
Marker size: 49 x 15 mm	black	**CARRIER-EMP (49X15)**	0827452	40
Marker size: 60 x 15 mm	black	**CARRIER-EMP (60X15)**	0827453	40
Marker size: 60 x 30 mm	black	**CARRIER-EMP (60X30)**	0827454	30
Marker size: 85 x 54 mm	black	**CARRIER-EMP (85,6X54)**	0829365	10

Marker carriers, can be marked using snap-in markers for control devices





For buttons and switches 22 mm in diameter

- Snap-in UC-/US-EMP ... and EMP-AL ... labels are available for marking CARRIER-EMP 22 ... marker carriers
- Can be used for all buttons and switches with 22 mm diameter

Technical data

General data		
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 105
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marker carrier, for UC-EM ... / US-EMP .../ EMP-AL ... snap-in labels				
Marker size: 27 x 8 mm	black	**CARRIER-EMP 22 (27X8)**	0827445	50
Marker size: 27 x 12.5 mm	black	**CARRIER-EMP 22 (27X12,5)**	0827446	50
Marker size: 27 x 15 mm	black	**CARRIER-EMP 22 (27X15)**	0827447	50
Marker size: 27 x 18 mm	black	**CARRIER-EMP 22 (27X18)**	0827448	50
Marker size: 27 x 27 mm	black	**CARRIER-EMP 22 (27X27)**	0827449	50

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Marker carriers, can be marked using control device labels



- Can be used for all buttons and switches with 22 mm diameter
- The large marking areas on the CARRIER-EMLP can be individually marked with the EML ... thermal transfer labels and UC-EMLP ... / US-EMLP ... and EMLP-AL ... labels
- EMLPR ... transparent adhesive protective film can be used for additional protection of the label surfaces



For buttons and switches 22 mm in diameter

Technical data

General data		
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 105
Components		Free from silicone and halogen
Button diameter	[mm]	22

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marker carrier, for buttons and switches with a 22 mm diameter, can be marked with self-adhesive labels EML ..., UC-EMLP ... / US-EMLP ... and EMLP-AL ...				
Marker size: 27 x 8 mm	black	**CARRIER-EMLP 22 (27X8)**	0828984	50
Marker size: 27 x 12.5 mm	black	**CARRIER-EMLP 22 (27X12,5)**	0828985	50
Marker size: 27 x 15 mm	black	**CARRIER-EMLP 22 (27X15)**	0828986	50
Marker size: 27 x 18 mm	black	**CARRIER-EMLP 22 (27X18)**	0828987	50
Marker size: 27 x 27 mm	black	**CARRIER-EMLP 22 (27X27)**	0828988	50

Transparent stick-on or snap-in cover



- Stuck or snapped onto marked CARRIER ... to protect the labels
- Extremely thick, yet flexible and transparent shock protection
- High level of mechanical and chemical stability
- Suitable for permanent outdoor use



Shock protection

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shock protection, designed for snapping into CARRIER-EMP ...				
	transparent	**EMPPR (27X15)**	0829535	50
	transparent	**EMPPR (27X18)**	0829536	50
	transparent	**EMPPR (45,8X45,8) PL-100**	0803476	100

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Marking profiles

- Self-adhesive marker carriers, available by the meter for cutting to custom length
- Strong adhesion and optimum grip on standard device surfaces
- The P-SS-ZB 100 is particularly suitable for accommodating SS-ZB, UC-EM (20x9), UCT-EM (20x9)
- The P-ZB METER is marked with marking material for the vertical and horizontal marker grooves found on Phoenix Contact terminal blocks



For self-adhesion

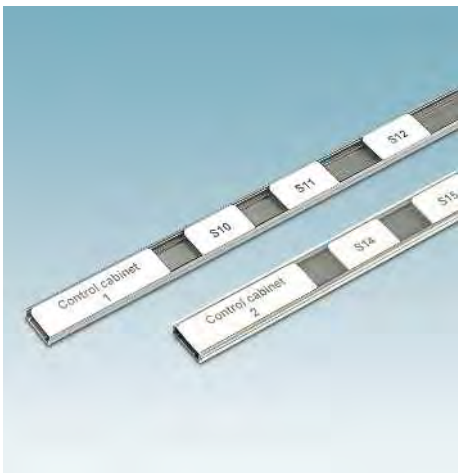
Technical data

General data	
Material	PVC
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-15 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Profile, self-adhesive, for accommodating SS-ZB labels, UC-EM (20x9), UCT-EM (20x9), length: 1000 mm	gray	**P-SS-ZB 100**	1013737	10
Profile, self-adhesive, for accommodating UC-TM ..., UCT-TM ..., ZB ..., length: 1 m	gray	**P-ZB METER**	1051854	1

Marking profiles



- The CARRIER-EMP ... marker carriers can be individually equipped with UC-EMP ... / US-EMP ... / EMT ... and EMP-AL ... device markers
- For marking devices
- For marking modules
- For marking control and switchgear



Designed to be stuck on or for screwing/riveting

Technical data

General data	
Material	PVC
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 60
Components	Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Profile, for screwing or riveting, 1000 mm long, for accommodating UCT-... / UC-... / US-... / EMT ... and EMP-AL material with 15 mm height	gray	**CARRIER-EMP (1000X15) GY**	0829366	25
	transparent	**CARRIER-EMP (1000X15) TR**	0829530	25
Profile, self-adhesive, 1000 mm long, for accommodating UCT-... / UC-... / US-... / EMT ... and EMP-AL ... material with 15 mm height	gray	**CARRIER/L-EMP (1000X15) GY**	0829559	25
	transparent	**CARRIER/L-EMP (1000X15) TR**	0829560	25
CARRIER cover, 1000 mm long	transparent	**CARRIER-EMP (1000X15) COVER**	0829520	25

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Marker carriers



- Self-adhesive marker carriers for marking devices and components
- Strong adhesion and optimum grip on standard device surfaces
- These carrier materials can be fitted, e.g., with UC-WMT ..., US-WMT ..., EMT ..., and UCT-WMT



For insert strips

Technical data

General data		
Material		PVC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 60
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Component marking label, self-adhesive, can be marked with UC-WMT ..., US-WMT ..., EMT ..., and UCT-WMT Lettering field size: 15 x 4 mm	transparent	**PAB-SK 15**	1013287	500
Component marking label, self-adhesive, can be marked with UC-WMT ..., US-WMT ..., EMT ..., and UCT-WMT Lettering field size: 30 x 4 mm	transparent	**PAB-SK 30**	1013290	200

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Marker carriers with cover

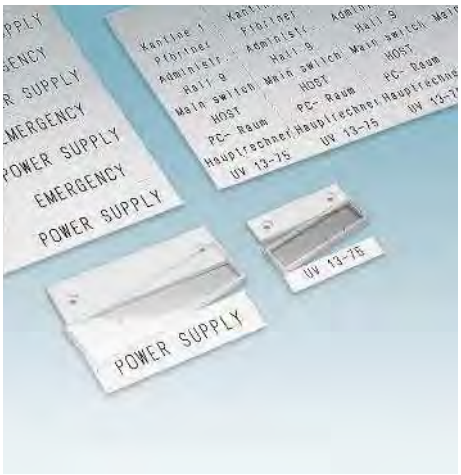
Can be marked using:



Plotter



For screw or rivet fixing



- Control cabinet markers consisting of a transparent cap and a base carrier
- The base carrier features two fixing holes so that it can be screwed on
- Once marked, the insert label is inserted in the cap and this is then snapped onto the base carrier
- The marking is protected against external influences
- The ES-SSMK ... insert strips can be marked with the CMS-P1-PLOTTER and the CMS-P1-PAD magazine

Technical data

General data		
Can be marked with		PLOTMARK • CMS-P1-PLOTTER
Material		PC
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 115
Components		Free from silicone and halogen
Drill hole spacing	[mm]	40
Hole diameter	[mm]	3.5

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Control cabinet marker, two mounting holes M3				
Size: 60 x 18 mm, lettering field size: 56 x 14 mm, incl. 1 x ES-SSMK-GB 60X18	transparent/ white	**SSMK 60X18**	5032439	50
Size: 96 x 30 mm, lettering field size: 92 x 26 mm, incl. 1 x ES-SSMK-GB 90X30	transparent/ white	**SSMK 96X30**	5032442	50

Accessories

Large format sheet insert strips, can be marked with plotter, DIN A4, perforated, material: Cardboard				
1 sheet = 75 strips, lettering field size: 56 x 14 mm	transparent/ white	**ES-SSMK-GB 60X18**	5032468	10
1 sheet = 22 strips, lettering field size: 92 x 26 mm	transparent/ white	**ES-SSMK-GB 96X30**	5032455	10



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Transparent stick-on cover



- Extremely thick, but flexible and transparent label made from halogen-free PU
- Stuck over marked labels or markers to protect them
- High level of mechanical and chemical stability
- Suitable for permanent outdoor use



Shock protection

Technical data

General data		
Material		PUR
Temperature range	[°C]	-40 ... 90
Components		Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shock protection foil, designed for sticking into CARRIER-EMLP ...				
51 labels per sheet	transparent	**EMLPR (26,5X14,5)**	0800546	10
42 labels per sheet	transparent	**EMLPR (26,5X17,5)**	0800360	10
30 labels per sheet	transparent	**EMLPR (26,5X26,5)**	0800361	10
14 labels per sheet	transparent	**EMLPR (30X40)**	0800359	10
6 labels per sheet	transparent	**EMLPR (80X42)**	0800357	10
4 labels per sheet	transparent	**EMLPR (80X60)**	0800358	10
9 labels per sheet	transparent	**EMLPR (100X30)**	0800362	10
Touch proofness, size according to customer specifications				
W x H: max. 100 mm x max. 500 mm	transparent	**EMLPR (...X...)R**	0803094	1

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Plant marking – MARKING system

Clear and extensive marking of systems not only guarantees safety but is also a legal requirement. Safety and information signs provide important information. They improve operational processes.

Phoenix Contact offers numerous marking labels for plant marking. From warning labels to multicolored symbol signs, the extremely diverse product range covers all applications. We offer a range of printing systems for marking.

To make marking systems even more efficient, RFID labels are also available to you. This portfolio is completed by a flexible mounting concept composed of different marker carriers and mounting options.

Product range overview

Plant marking **356**

PMLP... and PMP... plant marking

Unmarked RFID labels **358**

Unmarked labels, UniCard materials **360**

Marker carriers **362**

Media markers and accessories **364**

PML-W... warning labels

Unmarked warning labels, UniSheet material **366**

Unmarked warning labels, supplied in rolls **375**

Preprinted warning labels **376**

PML-P... prohibition signs

Unmarked prohibition signs, UniSheet material **367**

Unmarked prohibition signs, supplied in rolls **372**

PML-M... mandatory signs

Unmarked mandatory signs, UniSheet material **368**

Unmarked mandatory signs, supplied in rolls **373**

US-PML-ESS... emergency stop button marking

Adhesive label for marking EMERGENCY STOP buttons **369**

US-PML-F... fire detection system marking

Adhesive label for marking fire alarm systems **370**

PML-T... pipeline signs

Unmarked pipeline signs, supplied in rolls **378**

PML-GHS... hazardous substances labels

Unmarked hazardous substances labels, UniSheet material **371**

Unmarked hazardous substances labels, supplied in rolls **374**

PMM... magnetic labels

Unmarked magnetic labels, supplied in rolls **385**

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Unambiguous marking of systems helps to avoid operating errors and is therefore a key component of occupational safety. Information and safety signs also provide important information on site, making it easier to maintain systems.

Phoenix Contact offers a wide range of labels which meet the legal requirements for correct plant marking.

The combination of printing system and marking material ensures high quality with regard to the appearance, wipe and scratch resistance.

Receive, transmit, and scan data on a contact-free basis and without visual contact thanks to RFID technology. Design your plant marking clearly, efficiently, and conveniently. To this end, various marking labels are available with integrated RFID transponder. A flexible mounting system is created when different marker carriers are combined.

Depending on the application and material for individual marking, the following marking systems can be used.

– BLUEMARK ID and BLUEMARK ID COLOR, high-speed printer with UV LED technology for marking UniCard formats and PM(L)P-RFID ... marking labels with integrated RFID transponder
– THERMOMARK CARD 2.0 and THERMOMARK PRIME, thermal transfer card printer for marking UniSheet and UniCard formats
– THERMOMARK ROLL 2.0, thermal transfer roll printer for marking material off the roll and continuous media
– THERMOMARK ROLLMASTER 300 and ROLLMASTER 600, industrial thermal transfer roll printer for large printing volumes of rolls and continuous media

Create custom safety and information signs quickly and conveniently in the PROJECT complete marking software. All pictograms approved in accordance with ISO 7010 are included. Simply select the material to be printed, the software does the rest. All pictograms are easily added via drag and drop.

The optimum dimensions, as prescribed by standards, are automatically scaled to the selected format. Then you only have to send the print job. That's how easy standard-compliant plant marking can be.

Please contact us if you are unable to find a suitable size or color for your application from the options available in our product range. It goes without saying that Phoenix Contact also offers a comprehensive marking service for plant marking applications.

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PM(L)P-RFID and UC-PM(L)P

Regardless of whether it's with or without an RFID transponder, pipelines and systems can be easily and flexibly marked with the corresponding marker carriers and assembly materials.



PML-W warning labels

Warning labels are used to identify danger areas in systems and workshops. The unmarked warning labels allow you to create custom warning instructions.



PML-P prohibition signs

Prohibition signs prohibit potentially dangerous activities. They are therefore a key component of occupational health and safety.



PML-M mandatory signs

Mandatory signs prescribe a certain mode of behavior. They are used to prevent accidents in the workplace.



US-PML-ESS emergency stop button marking

According to Machinery Directive 2006/42/EG, EMERGENCY STOP buttons must be specially marked. In an emergency, they must be clearly and immediately recognizable.



US-PML-F fire detection system marking

So that the corresponding smoke alarm can be immediately identified in the event of an emergency, smoke alarms must be clearly marked.



PML-T pipeline labels

Pipeline markers are used to indicate fluids or gases. The direction of flow can also be defined by removing the arrowhead that is not required.



PML-GHS hazardous substances labels

Hazardous substance labels are used for the additional marking of the pipeline markers if hazardous substances according to the Ordinance on Hazardous Substances (GefStoffV) are transported through the pipelines.



PMM magnetic labels

Magnetic labels provide a flexible solution if you do not wish to apply permanent marking. They are quickly attached to metallic surfaces and removed just as speedily.

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Stick-on plant marking with RFID transponder



Can be marked using:

UV

UV LED technology



Self-adhesive label with integrated RFID transponder

Markers

– The PMLP-RFID ... marking range includes self-adhesive markers for plant marking, pre-mounted in a frame, with good adhesive properties
– The markers are integrated in a uniform matrix. They can be quickly and easily printed with the BLUEMARK ...
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The wide temperature range means that the labels can be used both indoors and outdoors

Inlays

– The HF transponder inlays comply with ISO 15693 and ISO 18000-3 mode 1
– The UHF transponder inlays comply with EPC Class 1 Gen 2 and ISO 18000-6C

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED
Material		PVC/PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-25 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Self-adhesive plastic label, in a frame, with integrated HF transponder				
1-section, lettering field size: 90 x 38 mm, reading performance: max. 0.1 m, depending on the environment, frequency: 13.56 MHz, memory capacity: 1 KB	white	**PMLP-RFID/HF (90X38)**	0830956	10
1-section, lettering field size: 110 x 38 mm, reading performance: 0.1 m, depending on the environment, frequency: 13.56 MHz, memory capacity: 1 KB	white	**PMLP-RFID/HF (110X38)**	0831030	10
UniCard, self-adhesive plastic label, with integrated UHF transponder				
1-section, lettering field size: 90 x 38 mm, reading performance: max. 2.0 m, depending on the environment, frequency: 866 - 956 MHz, memory capacity: 496 bit	white	**PMLP-RFID/UHF (90X38)**	0830957	10
1-section, lettering field size: 110 x 38 mm, reading performance: 2.0 m, depending on the environment, frequency: 866 - 956 MHz, memory capacity: 496 bit	white	**PMLP-RFID/UHF (110X38)**	0831031	10

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Plant marking for inserting into marker carriers, with RFID transponder



Markers

– The PMP-RFID ... marking range includes markers for plant marking, pre-mounted in a frame, specially designed to fit into existing CARRIER(/L)-PMP ... (110x38) marker carriers
– The markers are integrated in a uniform matrix. They can be quickly and easily printed with the BLUEMARK ...
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The wide temperature range means that the labels can be used both indoors and outdoors

Inlays

– The HF transponder inlays comply with ISO 15693 and ISO 18000-3 mode 1
– The UHF transponder inlays comply with EPC Class 1 Gen 2 and ISO 18000-6C

Can be marked using:

UV

UV LED technology



Label with integrated RFID transponder

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED
Material		PVC/PC
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-25 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plastic label, in a frame, with integrated HF transponder				
1-section, lettering field size: 90 x 38 mm, reading performance: max. 0.1 m, depending on the environment, frequency: 13.56 MHz, memory capacity: 1 KB	white	**PMP-RFID/HF (90X38)**	0830954	10
1-section, lettering field size: 110 x 38 mm, reading performance: 0.1 m, depending on the environment, frequency: 13.56 MHz, memory capacity: 1 KB	white	**PMP-RFID/HF (110X38)**	0831028	10
UniCard, plastic label with integrated UHF transponder				
1-section, lettering field size: 90 x 38 mm, reading performance: max. 2.0 m, depending on the environment, frequency: 866 - 956 MHz, memory capacity: 496 bit	white	**PMP-RFID/UHF (90X38)**	0830955	10
1-section, lettering field size: 90 x 38 mm, reading performance: max. 2.0 m, depending on the environment, frequency: 866 - 956 MHz, memory capacity: 496 bit	orange	**PMP-RFID/UHF (90X38) OG**	0803048	10
1-section, lettering field size: 110 x 38 mm, reading performance: 2.0 m, depending on the environment, frequency: 866 - 956 MHz, memory capacity: 496 bit	white	**PMP-RFID/UHF (110X38)**	0831029	10

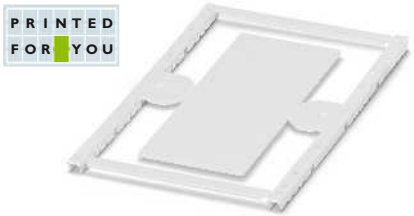
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Plant marking for sticking on or inserting into marker carriers

Can be marked using:



UV LED technology



Unmarked or marked according to customer specifications

- The UC-PMLP ... UniCard marking range includes self-adhesive markers for plant marking, with good adhesive properties
- The UC-PMP ... UniCard marking range includes markers for plant marking, specially designed to fit into existing CARRIER(/L)-PMP ... marker carriers
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The wide temperature range means that the labels can be used both indoors and outdoors
- Marking service: Phoenix Contact can custom-mark many UniCard markers according to your requirements

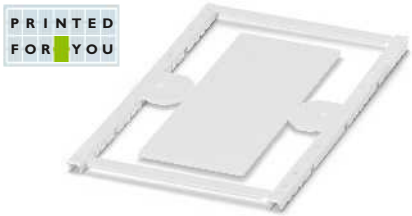
Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, with self-adhesive plastic label, 1-section,				
lettering field size: 90 x 38 mm	white	**UC-PMLP (90X38)**	0831017	10
lettering field size: 110 x 38 mm	white	**UC-PMLP (110X38)**	0831020	10
UniCard, plastic label, 1-section				
lettering field size: 90 x 38 mm	white			
lettering field size: 90 x 38 mm	yellow			
lettering field size: 90 x 38 mm	violet			
lettering field size: 90 x 38 mm	blue			
lettering field size: 110 x 38 mm	white			

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Unmarked or marked according to customer specifications

Technical data

BLUEMARK ID COLOR • BLUEMARK ID • BLUEMARK CLED

PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
UC-PMP (90X38)	0831016	10
UC-PMP (90X38) YE	0831046	10
UC-PMP (90X38) VT	0831047	10
UC-PMP (90X38) BU	0831048	10
UC-PMP (110X38)	0831019	10

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Marker carriers for UC-PMP... and PMP-RFID... markers





For mounting with screws, screw clamps or cable ties

- The CARRIER-PMP (110x38) is designed for mounting the UC-PMP ... and PMP-RFID ... labels. The carrier features snap-in pins which prevent the labels and the PM(S)T markers from falling out.
- The self-adhesive CARRIER/L-PMP-ENCLOSED (110x38) consists of a closed housing and has an adhesive strip on the rear side for direct fixing onto smooth and clean surfaces. For difficult surfaces, it is also possible to fix the carrier with two M5 countersunk screws. The carrier is equipped with detents that prevent the labels and the PM(S)T marker from falling out.
- The CARRIER-PMP-ENCLOSED (110x38) features a closed housing and is designed for the UC-PMP ... and PMP-RFID ... labels. Mounting takes place through the screw connection of two M5 countersunk screws. The marker carrier is equipped with detents that prevent the labels and the PM(S)T marker from falling out.

Technical data

General data		
Material		PA
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 105
Wipe resistance		-
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marker carrier, for UC-PMP... and PMP-RFID labels that can be inserted, carrier size 110 x 38 mm	black	**CARRIER-PMP (110X38)**	0831056	10
Closed, self-adhesive marker carrier, for UC-PMP... and PMP-RFID labels that can be inserted, carrier size 110 x 38 mm	black			
Closed marker carrier, for UC-PMP... and PMP-RFID labels that can be inserted, carrier size 110 x 38 mm	black			

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For sticking or screwing on



For mounting with screws

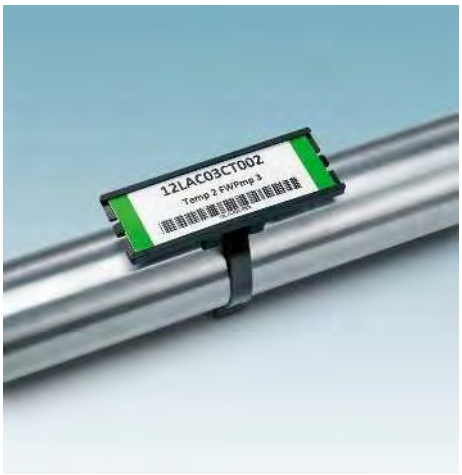
Technical data
PA
V0
-40 ... 105
-
Free from silicone and halogen

Ordering data		
Type	**Order No.**	Pcs./Pkt.
CARRIER/L-PMP-ENCLOSED (110X38)	0831062	10

Technical data
PA
V0
-40 ... 105
-
Free from silicone and halogen

Ordering data		
Type	**Order No.**	Pcs./Pkt.
CARRIER-PMP-ENCLOSED (110X38)	0831068	10

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– The PMT and PMST (10x38) markers for media marking in accordance with DIN 2403 are designed specifically for the CARRIER(/L)-PMP ... (110x38). These are inserted quickly and easily into the marker carriers. The PMST (10x38) sign has a hole for additional fixing into the three different marker carriers. The RVT-PA 3,5 BK fixing rivet serves to secure it.

Notes:

[1]) RVT-PA...BK rivet for securing the PMST ... marking labels



Media markers for inserting into marker carriers

Technical data

General data		
Material		PVC
Flammability rating in accordance with UL 94		-
Temperature range	[°C]	-30 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marking label for conveyed fluids, for equipping CARRIER-PMP (110x38), CARRIER/L-PMP (110x38), and CARRIER-PMP-ENCLOSED (110x38) in accordance with DIN 2403				
	white	**PMT (10X38)**	0831086	100
	yellow	**PMT (10X38) YE**	0831087	100
	orange	**PMT (10X38) OG**	0831088	100
	red	**PMT (10X38) RD**	0831089	100
	violet	**PMT (10X38) VT**	0831090	100
	green	**PMT (10X38) GN**	0831091	100
	gray	**PMT (10X38) GY**	0831092	100
	brown	**PMT (10X38) BN**	0831093	100
	blue	**PMT (10X38) BU**	0831094	100
	black	**PMT (10X38) BK**	0831095	100
Marking label for conveyed fluids, with centered hole, for additional attachment with a plastic expanding rivet, for equipping CARRIER-PMP (110x38), CARRIER/L-PMP (110x38), and CARRIER-PMP-ENCLOSED (110x38) in accordance with DIN 2403				
	white			
	yellow			
	orange			
	red			
	violet			
	green			
	gray			
	brown			
	blue			
	black			
Plastic body-bound rivet, 3.5 mm diameter[1])				
Mounting strip, can be screwed, for CARRIER-PMP ...				

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Media markers for additional fixing with rivets



Rivet for attaching the PMST markers



Screw clamp for attachment to pipes

Technical data

PVC	
-	
-30 ... 80	

Ordering data

Type	Order No.	Pcs./Pkt.
PMST (10X38)	0831076	100
PMST (10X38) YE	0831077	100
PMST (10X38) OG	0831078	100
PMST (10X38) RD	0831079	100
PMST (10X38) VT	0831080	100
PMST (10X38) GN	0831081	100
PMST (10X38) GY	0831082	100
PMST (10X38) BN	0831083	100
PMST (10X38) BU	0831084	100
PMST (10X38) BK	0831085	100

Technical data

PVC	
V0	
-30 ... 80	

Ordering data

Type	Order No.	Pcs./Pkt.
RVT-PA 3,5 BK	0830959	100

Technical data

Chromium steel 1.4016	
-	
-	

Ordering data

Type	Order No.	Pcs./Pkt.
SCRT 9X16-27	0830970	50
SCRT 9X25-40	0830971	50
SCRT 9X40-60	0830972	25
SCRT 9X60-80	0830973	25
SCRT 9X80-100	0830974	25
SCRT 9X100-120	0830975	25
SCRT 9X140-160	0830976	25
SCRT 9X160-180	0830977	25
SCRT 9X180-200	0830978	25

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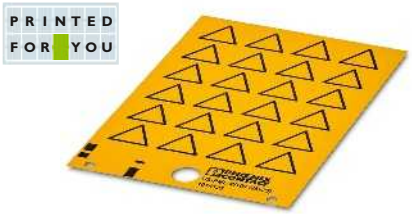
UniSheet – stick-on warning labels, unmarked



Can be marked using:

UV LED technology

Thermal transfer



Unmarked or marked according to customer specifications

The unmarked US-PML warning labels allow you to create custom warning notices. A wide range of symbols are available in the PROJECT complete software. The warning labels offer the following features:

– Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
– Suitable for indoor and outdoor use
– The warning labels conform to the ISO 7010 international standard
– The format automatically ensures printing with a high degree of positioning accuracy
– Marking service: Phoenix Contact can custom-mark all US-PML ... warning labels according to your requirements
– The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
– The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive warning labels, triangular				
24-section, side length: 25 mm	yellow/black	**US-PML-W100 (25X25)**	1014125	10
6-section, side length: 50 mm	yellow/black	**US-PML-W100 (50X50)**	1014126	10
1-section, side length: 100 mm	yellow/black	**US-PML-W100 (100X100)**	1014127	10
UniSheet, with self-adhesive warning labels, triangular with additional rectangular lettering field				
16-section, side length: 25 mm	yellow/black	**US-PML-W200 (25X25)**	1014131	10
4-section, side length: 50 mm	yellow/black	**US-PML-W200 (50X50)**	1014132	10
1-section, side length: 100 mm	yellow/black	**US-PML-W200 (100X100)**	1014133	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME		
for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Ink ribbon cassette for THERMOMARK PRIME, ink color: black, length: 70 m, width: 110 mm	**TMP-RIBBON 110 BK 100**	0803374	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

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UniSheet – stick-on prohibition signs, color preprinted without symbols



Can be marked using:

UV LED technology

Thermal transfer



Unmarked or marked according to customer specifications

- The color preprinted US PML-P prohibition signs on US cards allow you to create custom prohibition notices
- A wide range of symbols are available in the PROJECT complete software
- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The mandatory signs conform to the ISO 7010 international standard
- The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The perforated markers are easy to separate
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- Marking service: Phoenix Contact can custom-mark many US-PML ... markers according to your requirements

Notes:

For accessories, visit phoenixcontact.net/products

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Prohibition sign, color preprinted, without symbols				
4-section, diameter: 50 mm	red/white	**US-PML-P100 (D50)**	1014217	10
1-section, diameter: 100 mm	red/white	**US-PML-P100 (D100)**	1014218	10

Accessories

Ink ribbon for THERMOMARK CARD..., ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-TC**	0801371	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Ink ribbon cassette for THERMOMARK PRIME, ink color: black, length: 70 m, width: 110 mm	**TMP-RIBBON 110 BK 100**	0803374	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

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UniSheet – stick-on mandatory signs, color preprinted, without symbols



The unmarked US-PML-M mandatory signs on US cards allow you to create custom information signs. A wide range of symbols are available in the PROJECT complete software.

– Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
– Suitable for indoor and outdoor use
– The mandatory signs conform to the ISO 7010 international standard
– The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The perforated markers are easy to separate
– The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
– Marking service: Phoenix Contact can custom-mark many US-PML ... markers according to your requirements

Can be marked using:



Thermal transfer



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Mandatory sign, color preprinted, without symbols				
4-section, diameter: 50 mm	blue/white	**US-PML-M100 (D50)**	1014176	10
1-section, diameter: 100 mm	blue/white	**US-PML-M100 (D100)**	1014177	10

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME			
for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm			
white	**TM-RIBBON 110 WH 100**	0804661	1
Ink ribbon cassette for THERMOMARK PRIME, ink color: white, length: 60 m, width: 110 mm			
white	**TMP-RIBBON 110 WH 100**	0803376	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Adhesive label for marking EMERGENCY STOP buttons



The unmarked US-PML-ESS ... allow you to create custom emergency stop buttons in different languages.
A wide range of different country-specific templates are available in the PROJECT complete software.

The marking material offers the following features:

– Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
– Suitable for indoor and outdoor use
– The format automatically ensures printing with a high degree of positioning accuracy
– The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...

Can be marked using:



UV LED technology



Thermal transfer



Unmarked

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive EMERGENCY STOP marking:				
1-section, outside diameter: 60 mm, inside diameter: 25 mm	yellow	**US-PML-ESS100 (D60) YE**	0803873	10
1-section, outside diameter: 90 mm, inside diameter: 24 mm	yellow	**US-PML-ESS100 (D90) YE**	0803872	10

Accessories

Ink ribbon for THERMOMARK CARD..., ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-TC**	0801371	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Ink ribbon cassette for THERMOMARK PRIME, ink color: black, length: 70 m, width: 110 mm	**TMP-RIBBON 110 BK 100**	0803374	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

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Adhesive label for marking fire alarm systems



The unmarked US-PML-F ... fire alarm signs on US cards enable custom creation of fire protection signs.

Fire protection signs are manufactured in accordance with DIN 4066 or DIN 4844. The signs are available in round or rectangular format, enabling your company to satisfy the relevant legal requirements.

The marking material offers the following features:

– Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
– The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...

Can be marked using:



UV LED technology



Thermal transfer



Unmarked

Technical data

General data	
Can be marked with	BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material	PVC
Temperature range [°C]	-40 ... 90
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive fire alarm labels, color preprinted:				
10-section, lettering field size: 40 x 15 mm	red/white	**US-PML-F100 (50X25)**	0803866	10
4-section, diameter: 50 mm, lettering field size: 40 x 20 mm	red/white	**US-PML-F100 (D50)**	0803869	10
UniSheet, with self-adhesive fire alarm labels, color preprinted:				
Lettering field size :40 x 15 mm	blue/white	**US-PML-F200 (50X25)**	0803868	10
Diameter: 50 mm, lettering field size: 40 x 20 mm	blue/white	**US-PML-F200 (D50)**	0803871	10

Accessories

Ink ribbon for THERMOMARK CARD..., ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-TC**	0801371	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Ink ribbon cassette for THERMOMARK PRIME, ink color: black, length: 70 m, width: 110 mm	**TMP-RIBBON 110 BK 100**	0803374	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UniSheet – stick-on hazardous substances labels, color preprinted, without symbols



The unmarked US-PML-GHS hazardous substances labels on US cards allow you to create custom information signs. A wide range of symbols are available in the PROJECT complete software.

– High adhesive strength
– High temperature resistance
– Suitable for indoor and outdoor use
– The markers conform to the GHS international standard
– The marking systems mark the markers, which are supplied in uniform sheets, quickly, easily, and cost-effectively
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The perforated markers are easy to separate
– The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...

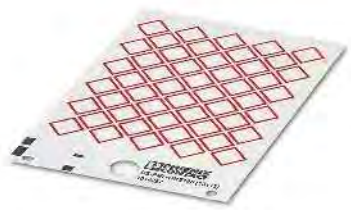
Can be marked using:



UV LED technology



Thermal transfer



Unmarked

Technical data

General data		
Can be marked with		BLUEMARK ID COLOR • BLUEMARK ID • THERMOMARK PRIME • THERMOMARK CARD 2.0 • THERMOMARK CARD
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive hazardous substance labels:				
50-section, marker size: 13 x 13 mm	red/white	**US-PML-GHS100 (13X13)**	1014287	10
9-section, marker size: 25 x 25 mm	red/white	**US-PML-GHS100 (25X25)**	1014288	10

Accessories

Ink ribbon for THERMOMARK CARD..., ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-TC**	0801371	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Ink ribbon cassette for THERMOMARK PRIME, ink color: black, length: 70 m, width: 110 mm	**TMP-RIBBON 110 BK 100**	0803374	1
Adapter plate for BLUEMARK ID, for accommodating US materials	**BM ID-ADAPTER PLATE-US**	1044355	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Stick-on prohibition signs, color preprinted, without symbols



Thermal transfer for rolls



Unmarked or marked according to customer specifications

The color preprinted PML-P prohibition signs without symbols allow you to create custom prohibition notices. A wide range of symbols are available in the PROJECT complete software.

- The label consists of soft, highly flexible PVC film that molds itself to uneven surfaces
- Outdoor-durable for up to eight years when used in a temperature range from -40°C to 90°C
- Extremely high-quality appearance
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
- The prohibition signs conform to international standard ISO 7010
- Marking service: Phoenix Contact can custom-mark many PML ... markers according to your requirements
- **Designation example:**
  PML-P100 (D50)R
  Preprinted color: red
  Diameter: 50 mm
  Type of packaging: roll

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Prohibition sign, color preprinted, without symbol, can be marked with thermal transfer printer				
1 roll = 500 labels, diameter: 50 mm	red/white	**PML-P100 (D50)R**	1014225	1
1 roll = 500 labels, diameter: 100 mm	red/white	**PML-P100 (D100)R**	1014226	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1

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Stick-on mandatory signs, color preprinted, without symbols



The color preprinted PML-M ... mandatory signs without symbols allow you to create custom mandatory notices. A wide range of symbols are available in the PROJECT complete software.

- The label consists of soft, highly flexible PVC film that molds itself to uneven surfaces
- Outdoor-durable for up to eight years when used in a temperature range from -40°C to 90°C
- Extremely high-quality appearance
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
- The mandatory signs conform to the ISO 7010 international standard
- Marking service: Phoenix Contact can custom-mark many markers according to your requirements
- **Designation example: PML-M100 (D50)R**
  Preprinted color: blue
  Diameter: 50 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

Technical data

General data	
Can be marked with	THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material	PVC
Temperature range [°C]	-40 ... 90
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Mandatory sign, color preprinted, without symbol, can be marked with thermal transfer printer				
1 roll = 500 labels, diameter: 50 mm	white/blue	**PML-M100 (D50)R**	1014180	1
1 roll = 500 labels, diameter: 100 mm	white/blue	**PML-M100 (D100)R**	1014181	1

Accessories

Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm			
	TM-RIBBON 110 WH 100	0804661	1

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Stick-on hazardous substances labels, color preprinted, without symbols



The color preprinted PML-GHS ... hazardous substance labels without symbols allow you to create custom hazard notices. A wide range of symbols are available in the PROJECT complete software.

– When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
– The markers conform to the GHS international standard
– **Designation example:**
  PML-GHS100 (13x13)R
  Preprinted color: red
  Side length: 13 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Hazardous substance label, roll, red/white, preprinted, can be marked with roll printers				
1 roll = 500 labels, marker size: 13 x 13 mm	white/red	**PML-GHS100 (13X13)R**	1014289	1
1 roll = 500 labels, marker size: 25 x 25 mm	white/red	**PML-GHS100 (25X25)R**	1014290	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1

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Stick-on warning labels, unmarked



The color preprinted PML warning labels without symbols allow you to create custom warning notices. A wide range of symbols are available in the PROJECT complete software.

- The label consists of soft, highly flexible PVC film that molds itself to uneven surfaces
- Outdoor-durable for up to eight years when used in a temperature range from -40°C to 90°C
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
- The warning labels conform to the ISO 7010 international standard
- Marking service: Phoenix Contact can custom-mark many PML ... warning labels according to your requirements
- **Designation example: PML-W100 (25x25)R**
  Preprinted color: black
  Side length: 25 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Warning label, triangular, can be marked with thermal transfer printer				
1 roll = 500 labels, side length: 25 mm	yellow/black	**PML-W100 (25X25)R**	0830429	1
1 roll = 500 labels, side length: 50 mm	yellow/black	**PML-W100 (50X50)R**	0830430	1
1 roll = 250 labels, side length: 100 mm	yellow/black	**PML-W100 (100X100)R**	0830431	1
Warning label, triangular, additional rectangular lettering field				
1 roll = 500 labels, side length: 25 mm	yellow/black	**PML-W200 (25X25)R**	0830451	1
1 roll = 500 labels, side length: 50 mm	yellow/black	**PML-W200 (50X50)R**	0830452	1
1 roll = 250 labels, side length: 100 mm	yellow/black	**PML-W200 (100X100)R**	0830453	1
Warning label, rectangular				
1 roll = 500 labels, width: 52 mm, height: 26 mm	yellow	**PML-W300 (52X26)R**	0830458	1
1 roll = 500 labels, width: 74 mm, height: 37 mm	yellow	**PML-W300 (74X37)R**	0830459	1
1 roll = 250 labels, width: 105 mm, height: 52 mm	yellow	**PML-W300 (105X52)R**	0830460	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm		
THERMOMARK-RIBBON 110	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm		
THERMOMARK-RIBBON 110/50	0800687	1

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Stick-on warning labels, triangular with lightning flash

The PML warning labels are available with various warning instructions. The warning labels offer the following features:

– Printed cards
– Suitable for indoor and outdoor use
– The warning labels conform to the ISO 7010 international standard
– PML-W400 and PML-W501 are color preprinted warning labels which can be printed again with thermal transfer roll printers



Pre-printed with lightning flash



Pre-printed with lightning flash and voltage information

		Technical data			Technical data		
General data							
Material		PVC			PVC		
Temperature range	[°C]	-40 ... 90			-40 ... 90		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)			DIN EN 61010-1 (VDE 0411-1)		
Components		Silicone-free			Silicone-free		
		Ordering data			**Ordering data**		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
Warning label, triangular, with lightning flash							
1 sheet = 25 labels, side length: 25 mm	yellow/black	**PML-W101 (25X25)**	0830433	5			
1 sheet = 9 labels, side length: 50 mm	yellow/black	**PML-W101 (50X50)**	0830434	5			
1 sheet = 9 labels, side length: 100 mm	yellow/black	**PML-W101 (100X100)**	0830435	5			
Warning label, triangular, with lightning flash, additional rectangular lettering field, printed text: 230 V							
1 sheet = 16 labels, side length: 25 mm	yellow/black				**PML-W202 (25X25)**	0830437	5
1 sheet = 1 label, side length: 200 mm	yellow/black				**PML-W205 (200X200)**	0830450	5
Warning label, rectangular, with lightning flash, printed text in German/English: "Danger! High voltage when main switch is off"							
1 sheet = 4 labels, W x H: 52 x 26 mm	yellow/black						
1 sheet = 3 labels, W x H: 74 x 37 mm	yellow/black						
1 sheet = 4 labels, W x H: 105 x 52 mm	yellow/black						
Warning label, rectangular, color preprinted, can be marked with thermal transfer printer							
1 roll = 48 m continuous, height: 77 mm							
Hazard label, rectangular, color preprinted, can be marked with thermal transfer printer							
1 roll = 100 labels	white/red						
1 roll = 100 labels	white/red						

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Pre-printed with lightning flash and warning notice

new



Unmarked

new



Unmarked

Technical data

PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Type	Order No.	Pcs./Pkt.
PML-W301 (52X26)	0830461	5
PML-W301 (74X37)	0830462	5
PML-W301 (105X52)	0830463	5

Technical data

PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Type	Order No.	Pcs./Pkt.
PML-W400 (58/19XE)R WH-OG	1016499	1

Technical data

PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Type	Order No.	Pcs./Pkt.
PML-W501 (100X48)R WH-RD	1016507	1
PML-W501 (100X65)R WH-RD	1016508	1

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Stick-on pipeline markers, unmarked



The color preprinted PML-T ... pipeline markers allow you to create custom pipelines in accordance with DIN 2403.

– Finely perforated arrowheads enable the arrowheads which are not required to be easily removed
– When used in combination with the PML-GHS hazardous substances labels, marking conforming to the Hazardous Substances Ordinance (GefStoffV) is possible
– When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
– Marking service: Phoenix Contact can custom-mark many markers according to your requirements
– **Designation example: PML-T101 (26x280)R**
  Preprinted color: ...
  Lettering field length: 280 mm
  Lettering field height: 26 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Group 1 (water)

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Pipeline markers, green, group 1 (water), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	green	**PML-T101 (26X280)R**	1014229	1
1 roll = 250 labels, marker size: 52 x 560 mm	green	**PML-T101 (52X560)R**	1014230	1
Pipeline markers, red, group 2 (steam), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	red			
1 roll = 250 labels, marker size: 52 x 560 mm	red			
Pipeline markers, gray, group 3 (air), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	gray			
1 roll = 250 labels, marker size: 52 x 560 mm	gray			
Pipeline markers, yellow/red, group 4 (combustible gases), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	yellow/red			
1 roll = 250 labels, marker size: 52 x 560 mm	yellow/red			

Accessories

Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm			
	TM-RIBBON 110 WH 100	0804661	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm			
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm			
Hazardous substance label, roll, red/white, preprinted, can be marked with roll printers			
1 roll = 500 labels, marker size: 13 x 13 mm	**PML-GHS100 (13X13)R**	1014289	1
1 roll = 500 labels, marker size: 25 x 25 mm	**PML-GHS100 (25X25)R**	1014290	1
UniSheet, with self-adhesive hazardous substance labels:			
50-section, marker size: 13 x 13 mm	**US-PML-GHS100 (13X13)**	1014287	10
9-section, marker size: 25 x 25 mm	**US-PML-GHS100 (25X25)**	1014288	10

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Group 2 (steam)



Group 3 (air)



Group 4 (combustible gases)

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T102 (26X280)R	1014231	1
PML-T102 (52X560)R	1014232	1

Accessories

TM-RIBBON 110 WH 100	0804661	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T103 (26X280)R	1014233	1
PML-T103 (52X560)R	1014234	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T104 (26X280)R	1014235	1
PML-T104 (52X560)R	1014236	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Stick-on pipeline markers, unmarked



The color preprinted PML-T ... pipeline markers allow you to create custom pipelines in accordance with DIN 2403.

– Finely perforated arrowheads enable the arrowheads which are not required to be easily removed
– In combination with the PML-GHS hazardous substances labels, marking which conforms to the Ordinance on Hazardous Substances (GefStoffV) can be applied
– When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
– Marking service: Phoenix Contact can custom-mark many markers according to your requirements
– **Designation example: PML-T101 (26x280)R**
  Preprinted color: ...
  Lettering field length: 280 mm
  Lettering field height: 26 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Group 5 (non-combustible gases)

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Pipeline markers, yellow/black, group 5 (non-combustible gases), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	yellow/black	**PML-T105 (26X280)R**	1014237	1
1 roll = 250 labels, marker size: 52 x 560 mm	yellow/black	**PML-T105 (52X560)R**	1014238	1
Pipeline markers, orange, group 6 (acids), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	orange			
1 roll = 250 labels, marker size: 52 x 560 mm	orange			
Pipeline markers, violet, group 7 (alkalis), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	violet			
1 roll = 250 labels, marker size: 52 x 560 mm	violet			
Pipeline markers, brown/red, group 8 (combustible liquids), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	brown/red			
1 roll = 250 labels, marker size: 52 x 560 mm	brown/red			

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm			
Hazardous substance label, roll, red/white, preprinted, can be marked with roll printers			
1 roll = 500 labels, marker size: 13 x 13 mm	**PML-GHS100 (13X13)R**	1014289	1
1 roll = 500 labels, marker size: 25 x 25 mm	**PML-GHS100 (25X25)R**	1014290	1
UniSheet, with self-adhesive hazardous substance labels:			
50-section, marker size: 13 x 13 mm	**US-PML-GHS100 (13X13)**	1014287	10
9-section, marker size: 25 x 25 mm	**US-PML-GHS100 (25X25)**	1014288	10

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Group 6 (acids)



Group 7 (alkalis)



Group 8 (combustible liquids)

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T106 (26X280)R	1014239	1
PML-T106 (52X560)R	1014240	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T107 (26X280)R	1014241	1
PML-T107 (52X560)R	1014242	1

Accessories

TM-RIBBON 110 WH 100	0804661	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T108 (26X280)R	1014243	1
PML-T108 (52X560)R	1014244	1

Accessories

TM-RIBBON 110 WH 100	0804661	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

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Stick-on pipeline markers, unmarked



The color preprinted PML-T ... pipeline markers allow you to create custom pipelines in accordance with DIN 2403.

– Finely perforated arrowheads enable the arrowheads which are not required to be easily removed
– In combination with the PML-GHS hazardous substances labels, marking which conforms to the Ordinance on Hazardous Substances (GefStoffV) can be applied
– When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
– Marking service: Phoenix Contact can custom-mark many markers according to your requirements
– **Designation example:**
PML-T101 (26x280)R
Preprinted color: ...
Lettering field length: 280 mm
Lettering field height: 26 mm
Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Group 9 (non-combustible liquids)

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Pipeline markers, brown/black, group 9 (non-combustible liquids), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	brown/black	**PML-T109 (26X280)R**	1014245	1
1 roll = 250 labels, marker size: 52 x 560 mm	brown/black	**PML-T109 (52X560)R**	1014246	1
Pipeline markers, blue, group 0 (oxygen), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	blue			
1 roll = 250 labels, marker size: 52 x 560 mm	blue			

Accessories

Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 60 m, width: 110 mm			
	TM-RIBBON 110 WH 100	0804661	1
Hazardous substance label, roll, red/white, preprinted, can be marked with roll printers			
1 roll = 500 labels, marker size: 13 x 13 mm	**PML-GHS100 (13X13)R**	1014289	1
1 roll = 500 labels, marker size: 25 x 25 mm	**PML-GHS100 (25X25)R**	1014290	1
UniSheet, with self-adhesive hazardous substance labels:			
50-section, marker size: 13 x 13 mm	**US-PML-GHS100 (13X13)**	1014287	10
9-section, marker size: 25 x 25 mm	**US-PML-GHS100 (25X25)**	1014288	10

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Group 0 (oxygen)

Technical data

THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T110 (26X280)R	1014247	1
PML-T110 (52X560)R	1014248	1

Accessories

TM-RIBBON 110 WH 100	0804661	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

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Stick-on circuit markings, color preprinted, without symbol



The color preprinted PML-C (D39)R labels on a roll allow you to create custom circuit markings.

– The label consists of soft, highly flexible PVC film that molds itself to uneven surfaces
– Outdoor-durable for up to eight years when used in a temperature range from -40°C to 90°C
– Extremely high-quality appearance
– When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
– **Designation example:**
PML-C101 (D39)R
Preprinted color: red
Diameter: 39 mm
Type of packaging: roll

Can be marked using:



Thermal transfer for rolls

new



Unmarked

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		PVC
Temperature range	[°C]	50 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Circuit identification label, round, color preprinted, can be marked with thermal transfer printer	white/red	**PML-C101 (D39)R**	1032780	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1

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Magnetic labels, unprinted



The PMM ... magnetic continuous markers supplied in rolls provide an individual and flexible marking solution, e.g., for marking stock. A wide range of symbols, linear codes, and 2D codes are available in the PROJECT complete software.

- High adhesive strength
- The flexible magnetic tape will also adhere to round objects with a radius of 12 mm and higher
- Quick and cost-effective marking with THERMOMARK ... roll printers from Phoenix Contact
- The thermal transfer printer cutting units make it possible to quickly and cleanly trim equipment markings precisely to the required length
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences, and can also be used under harsh industrial conditions
- **Designation example:**
  PMM (Ex20)R
  Lettering field width: continuous
  Lettering field height: 20 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls

PRINTED FOR YOU



Unmarked or marked according to customer specifications

Technical data

General data		
Can be marked with		THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK ROLL X1 • THERMOMARK ROLL 2.0 • THERMOMARK ROLL
Material		Magnetic tape
Temperature range	[°C]	-30 ... 55
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Magnetic tape as continuous material, anisotropic, can be marked with thermal transfer printer, strip length: up to 1000 mm				
1 roll = 15 m continuous, height: 20 mm	white	**PMM (EX20)R**	1014303	1
	silver	**PMM (EX20)R SR**	1014304	1
	yellow	**PMM (EX20)R YE**	1014305	1
Magnetic tape as continuous material, anisotropic, can be marked with thermal transfer printer, strip length: up to 1000 mm				
1 roll = 15 m continuous, height: 25 mm	white	**PMM (EX25)R**	1014306	1
	silver	**PMM (EX25)R SR**	1014307	1
	yellow	**PMM (EX25)R YE**	1014308	1
Magnetic tape as continuous material, anisotropic, can be marked with thermal transfer printer, strip length: up to 1000 mm				
1 roll = 15 m continuous, height: 30 mm	white	**PMM (EX30)R**	1014309	1
	silver	**PMM (EX30)R SR**	1014310	1
	yellow	**PMM (EX30)R YE**	1014311	1
Magnetic tape as continuous material, anisotropic, can be marked with thermal transfer printer, strip length: up to 1000 mm				
1 roll = 15 m continuous, height: 40 mm	white	**PMM (EX40)R**	1014312	1
	silver	**PMM (EX40)R SR**	1014313	1
	yellow	**PMM (EX40)R YE**	1014314	1
Magnetic tape as continuous material, anisotropic, can be marked with thermal transfer printer, strip length: up to 1000 mm				
1 roll = 15 m continuous, height: 50 mm	white	**PMM (EX50)R**	1014315	1
	silver	**PMM (EX50)R SR**	1014316	1
	yellow	**PMM (EX50)R YE**	1014317	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm			+
		THERMOMARK-RIBBON 110	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm			
		THERMOMARK-RIBBON 110/50	0800687	1

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Hand tools – TOOL fox

The TOOL fox range of tools offers processing and measuring tools for all electrical engineering applications.

The ergonomically designed tools for cutting, stripping, crimping, screwing, and testing impress with their optimum handling and quality. Specially hardened tool steels ensure maximum durability.

Cutting machines, stripping machines, and crimping machines are available which can be used to automate steps.

A wide range of connectors rounds off the product range.

Product range overview

Hand tools 388

CUTFOX ... cutting tools and UNIFOX ... universal tools

Cable cutters 390
Cutting tools for special applications 392
Universal tools 395
Cable duct, profile, and DIN rail cutters 399

MICROFOX electronics pliers 402

WIREFOX stripping tools

Stripping tools 404
Stripping tools 410

CRIMPFOX pressing and crimping tools

CRIMPFOX 4 IN 1 multifunctional crimping pliers 414
Crimping pliers for ferrules 416
Crimping pliers for ring cable and tube lugs 422
Universal basic pliers for connectors up to 120 mm² 427
Crimping pliers for slip-on sleeves 428
Crimping pliers for turned contacts 432
Crimping pliers for coaxial, FO, D-SUB, CATV, data connectors, and solar connectors 433
Universal basic pliers 435
CRIMPHANDY portable hand-held machine 440

SCREWFOX screwdriver tools

Screwdrivers 442
Voltage and continuity testers 450
Cordless screwdrivers 454
Socket wrenches 458
Control cabinet keys 461

TESTFOX measuring tools

Digital multimeters 463

Tool sets 467

Customer-specific hand tools and tool sets 473

Ferrules and connectors 480

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Professional cutting



Professional stripping



Professional crimping

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There is an optimum cable cutter available for every application. The various versions enable professional processing of conductors and cables with a diameter of up to 100 mm. All parts of the cable cutters that are subject to particular strain are tempered and specially hardened.



Profile cutters are available for rapid processing of DIN rails and cable ducts without chips or burrs. An optional hydraulic unit can be attached to convert manual DIN rail cutters into automatic ones.



The stripping tools can strip all types of conductors and cables quickly, precisely, and reliably. They adapt automatically to the conductor cross section concerned.



The CRIMPFOX 4 IN 1 are multifunctional crimping pliers for processing conductors and ferrules. A variety of work steps can be performed with just a single tool: cutting, stripping, twisting, and crimping.



The product innovation for switchgear manufacturing is the CRIMPHANDY, a battery-powered, portable hand-held device. The CRIMPHANDY strips and crimps the conductor in under two seconds. This results in time savings of 75%.



The extensive range of professional crimping pliers can be used to process a variety of contact types with a cross section of up to 120 mm². The innovative design and ergonomically shaped handles reduce the forces required by up to 30 percent.



With their interchangeable dies, the CRIMPFOX-M universal crimping pliers can be used to process all kinds of contacts. The dies can be changed quickly and easily without the need for additional tools.



With their precise torque-setting, the torque and cordless screwdrivers are the perfect complement to the Phoenix Contact range of screw terminal blocks. The wide range of hardened BIT screwdriver inserts makes the products suitable for universal use.



Our multimeters, current pliers, and voltage testers are high-quality measuring tools, which have been tested and approved in accordance with national and international standards.

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CUTFOX cable cutters

- CUTFOX ... cable cutters for professional cutting results
- Ideal cutting geometries enable the lowest actuation forces
- Ergonomic handle design to eliminate fatigue when working
- All parts of the cable cutters that are subject to particular strain are tempered or specially hardened



Up to a maximum conductor diameter of 12 mm



Up to a maximum conductor diameter of 18 mm

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cable cutter, for copper and aluminum (flexible) up to 12 mm diameter (up to 35 mm²), size: 165 mm	CUTFOX 12	1212128	1			
Cable cutter, angled, with adjustable screw joint, for copper and aluminum (flexible) up to 18 mm diameter (up to 50 mm²), size: 180 mm				CUTFOX 18	1212129	1
Electrician's scissors, high cutting performance, thanks to micro-serrated cutting area, suitable for copper, aluminum (flexible), Kevlar® fibers, and plastic, two-component non-slip soft-grip handles, ergonomic design, adjustable screw joint	CUTFOX-ES	1212621	1			

CUTFOX one-handed ring cable cutters

- CUTFOX ... one-handed ring cable cutters for professional cutting results
- Extremely robust design
- Minimum deformation of the conductors and cables
- Can be released in all positions
- Superb cutting quality
- Little force needed due to ratchet function



Up to a maximum conductor diameter of 50 mm, steel-armored



Up to a maximum conductor diameter of 45 mm

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Ring cable cutter, with ratchet function, for copper and aluminum (flexible) up to a diameter of 50 mm, for steel-armored CU/AL cables, for stranded steel cables up to a diameter of 12 mm, equipped with needle bearings, size: 260 mm	CUTFOX 50 STEEL	1212526	1			
Ring cable cutter, with ratchet function, for copper and aluminum (flexible) up to 45 mm diameter (up to 300 mm²), size: 260 mm				CUTFOX 45	1212132	1
Ring cable cutter, with ratchet function, for copper and aluminum (flexible) up to 52 mm diameter (up to 300 mm²), size: 325 mm				CUTFOX 52	1212133	1
	Accessories			Accessories		
	CUTFOX 50 STEEL/SB	1200291	1			

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CUTFOX one-handed front cable cutters

- CUTFOX ... cable cutters for professional cutting results
- With ratchet function for minimum effort
- All parts of the cable cutters that are subject to particular strain are tempered or specially hardened
- Ideal in tight workspaces
- Adjustable screw joint
- Can be released in all positions
- Particularly robust



Up to a maximum conductor diameter of 25 mm



Up to a maximum conductor diameter of 35 mm

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cable cutter, with ratchet function, for copper and aluminum (flexible) up to 25 mm diameter (up to 185 mm²), size: 245 mm	CUTFOX 25	1212130	1			
Cable cutter, with ratchet function, for copper and aluminum (flexible) up to 35 mm diameter (up to 240 mm²), size: 245 mm				CUTFOX 35	1212131	1

CUTFOX two-handed ring cable cutters

- CUTFOX ... two-handed ring cable cutters for professional cutting results
- Suitable for conductors with a diameter of up to 100 mm
- With ratchet function for minimum effort
- Can be released in all positions
- Superb cutting quality
- Extremely robust design
- Lowest possible deformation of conductors and cables



Up to a maximum conductor diameter of 62 mm



Up to a maximum conductor diameter of 100 mm

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Two-handed ring cable cutter, with ratchet function, for copper and aluminum (flexible) up to 62 mm diameter (up to 750 mm²), size: 410 mm	CUTFOX 62	1212134	1			
Two-handed ring cable cutter, with ratchet function, for copper and aluminum (flexible) up to 100 mm diameter (up to 1400 mm²), size: 610 mm				CUTFOX 100	1212135	1

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Cutting tools for special applications

– The CUTFOX-FBS cutting tool is suitable for cutting out individual bars from FBS ... plug-in bridges
– Screw-on bridges can be cut to length with the CUTFOX FB without crushing them



Front cutting tool for cutting out plug-in and insertion bridges



Cutting tool for screw-on bridges

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cutting tool, for separating individual bridge bars from FBS ... plug-in bridges and EB ... insertion bridges, size: 260 mm	CUTFOX-FBS	1212124	1			
Bridge cutting tool, for cutting FBI ... fixed bridges to length, size: 165 mm				CUTFOX FB	1205985	1

Cutting tools for special applications

– VDE-tested cutting tools made from special high-grade tool steel
– Inductively hardened blades for long-term stable cutting performance



Cable cutter for conductors with a diameter of up to 16 mm (VDE)



Cable cutter for conductors with a diameter of up to 25 mm (VDE)

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cable cutter, precision blade with macro-notching, for copper and aluminum (flexible) up to 50 mm², VDE 1000 V AC/1500 V DC tested, size: 160 mm	CUTFOX 16 VDE	1212126	1			
Cable cutter, precision blade with macro-notching, for copper and aluminum (flexible) up to 70 mm², VDE 1000 V AC/1500 V DC tested, size: 210 mm				CUTFOX 25 VDE	1212127	1
Cable cutter, for laminated busbars/ribbed tape measuring up to 6 x 16 x 0.8 mm, copper and aluminum cables (flexible) with a diameter of up to 25 mm, VDE 1000 V AC, 1500 V DC, size: 210 mm				CUTFOX-LB VDE	1212527	1

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Cutting tools for special applications

– VDE-tested cutting tools made from special high-grade tool steel
– Inductively hardened blades for long-term stable cutting performance



Diagonal cutter (VDE)



Diagonal cutter (VDE)

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Diagonal cutter, with optimized leverage, VDE 1000 V AC/1500 V DC tested, size: 160 mm	CUTFOX-S VDE	1212207	1			
Diagonal cutter, with optimized leverage, VDE 1000 V AC/1500 V DC tested, size: 130 mm				CUTFOX-S VDE M	1212830	1

Automatic cutting device for conductors and cables



– The automatic cutting device can be used to cut conductors, cables, and similar profiles
– It impresses with its easy handling and enables materials to be changed in a matter of seconds
– For further information, accessories, and technical data, refer to the AUTOMATIC DEVICES section

Notes:
An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.



Conductor cross sections from 0.08 to 10 mm²

Description	Ordering data			
	Type	Order No.	Pcs./Pkt.	
Automatic cutting device, 100 - 240 V/50 - 60 Hz version, for conductors and cables with a diameter of up to 8 mm, rigid (up to 2.5 mm²) and flexible (up to 10 mm²)	CUTFOX 10	1206829	1	

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CUTFOX bolt cutters

- CUTFOX-SP ... VDE cutting tools are ideal for precise and effortless cutting of bolts, nails, rivets, steel wire, and other similar hard materials
- VDE-tested cutting tools made from special high-grade tool steel
- Inductively hardened blades for permanently stable cutting performance



Diagonal cutter



Diagonal cutter with lever (VDE)

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Power diagonal cutter, with optimized leverage, also suitable for piano wire, VDE 1000 V AC/1500 V DC tested, size: 200 mm	CUTFOX-SP VDE	1212206	1			
Power diagonal cutter, with optimized leverage, also suitable for bolts and piano wire, VDE 1000 V AC/ 1500 V DC tested, size: 200 mm				CUTFOX-SP BOLT VDE	1212831	1

CUTFOX cutting tools, angled design

- CUTFOX-SE LM electrician's diagonal cutter with stripping and cutting area
- Ergonomic handle design to eliminate fatigue when working
- All parts of the diagonal cutters that are subject to particular strain are tempered or specially hardened



Diagonal cutter, angled



Electrician's diagonal cutter, angled

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Diagonal cutter, angled design, size:180 mm	CUTFOX-SE	1212832	1			
Electrician's diagonal cutter, angled design, with stripping, crimp, and bending function, screw pincers up to M3.5/M4, size: 180 mm				CUTFOX-SE LM	1212833	1

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UNIFOX universal tools

- UNIFOX ... VDE fully insulated combination pliers in straight and angled versions
- Ergonomic handle design to eliminate fatigue when working
- Excellent transmission ratios for excellent gripping and cutting performance
- Noticeably less force required on the part of the user



Combination pliers (VDE)



Combination pliers (VDE), angled

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Combination pliers, notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 180 mm	UNIFOX-C VDE	1212202	1			
Combination pliers, notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 165 mm	UNIFOX-C VDE M	1212834	1			
Combination pliers, angled design, with opening spring and locking device, cross-notched gripping surface, integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested, size: 200 mm				UNIFOX-CE VDE	1212203	1

UNIFOX universal tools

- Individually tested safety tools in accordance with DIN EN 60900 (VDE 0682-201)
- For working on or in the vicinity of live parts up to 1000 V AC or 1500 V DC
- The tools feature ergonomic two-component safety handles



Needle-nose pliers (VDE)



Needle-nose pliers (VDE), curved and angled

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Needle-nose pliers with cutter, notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 170 mm	UNIFOX-P VDE	1212204	1			
Needle-nose pliers with cutter, angled 45°, notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 170 mm	UNIFOX-PC VDE	1212205	1			
Needle-nose pliers, angled design, with opening spring and locking device, finely notched gripping surface, stripping possible for 1.5 mm² and 2.5 mm², integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested, size: 200 mm				UNIFOX-PE VDE	1212529	1

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UNIFOX universal tools

– UNIFOX ... flat and round-nose pliers with VDE protective insulation
– Finely notched gripping surfaces
– Ergonomic handle design to eliminate fatigue when working



Flat-nose pliers (VDE)



SUNCLIX mounting pliers

Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.	Ordering data: Type	Order No.	Pcs./Pkt.
Flat-nose pliers, finely notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 160 mm	black	**UNIFOX-F VDE**	1212363	1			
Round-nose pliers, finely notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 160 mm	black	**UNIFOX-R VDE**	1212364	1			
Mounting pliers, for snapping the SUNCLIX crimp contacts into the plastic housing, curved 35°, suitable for a conductor diameter of 4.2 mm ... 6.0 mm.	black				**UNIFOX SR 6**	1200137	1

UNIFOX cable tie tools for plastic and stainless steel cable ties

– Ergonomic tool for attaching and detaching cable ties in a single operation
– The infinitely adjustable tension force is indicated by a scale in the handle area
– If the tension force is reached, the remainder is automatically severed for a flush finish



Cable tie tool for plastic cable ties



Cable tie tool for stainless steel cable ties

Description	Ordering data: Type	Order No.	Pcs./Pkt.	Ordering data: Type	Order No.	Pcs./Pkt.
Cable tie tool, for plastic cable ties with a width of 2.2 - 4.8 mm, for a material thickness of up to 1.6 mm						
Ergonomically designed grip with comfortable tension force adjustment	**UNIFOX-CT 4,8**	1212475	1			
	UNIFOX-CT 4,8P	1212609	1			
Cable tie tool, for steel cable ties with a width of up to 7.9 mm, material thickness of up to 0.3 mm				**UNIFOX-CT M 7,9**	1212610	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UNIFOX screw pliers and water pump pliers

- Screw wrench and pliers in one: zero-play grip and secure screwing of screws and nut areas
- Smooth jaws prevent the usual damage to screws and nuts from wrenches and pipe wrenches
- With automatic fast adjustment without unlock button



Screw pliers



Water pump pliers

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Screw pliers, with fast adjustment, smooth gripping surfaces, for wrench size 10 - 36 mm, 260 mm	UNIFOX-WRENCH	1212835	1
Water pump pliers, with groove joint, gripping surfaces with dual notching, in acc. with VDE ISO 8976, size: 240 mm	UNIFOX-WP	1212365	1

UNIFOX punch pliers

- The nickel-plated punch pliers with round mandrel punch holes with a 2 mm diameter.
- With opening springs, for comfortable and low-fatigue application
- The jaw depth is 30 mm



Punch pliers

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Punch pliers, with 2 mm round mandrel, nickel-plated, jaw depth: 30 mm, total length: 120 mm	UNIFOX-HP	1212625	1

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Unlocking tool

new





Removal tool

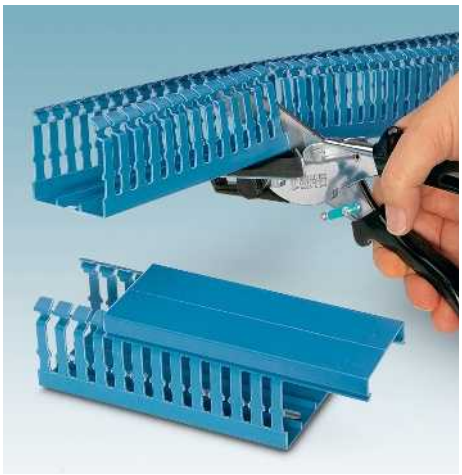
- Tool for mounting and removing HEAVYCON contacts
- With movable fall protection integrated in the handle
- Removal tool for CK1,6-ED .../ CK1,6-ER .../CK1,6 ...POF series contacts

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Unlocking tool, for CK1,6-... turned and rolled contacts			
	UNIFOX RT-CK 1.6	**1072069**	1
	UNIFOX RT-CK 2.5	**1072067**	1
	UNIFOX RT-CK 4.0	**1072064**	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Cable duct cutter



- Easy, burr-free cutting with minimum effort, thanks to the special cutting geometry and optimum leverage
- Non-slip ergonomic grip
- With opening spring and locking mechanism
- Limit stop for 45° and 90° sections
- 75 mm cutting width



Cable duct cutter

Technical data

Dimensions		Width	Length	Height
	[mm]	-	245	-
General data				
Weight	[kg]	0.43		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Cable duct cutter	**CUTFOX-CD**	1212474	1

Accessories

Limit stop, 90°	**CUTFOX-CD/ES 90**	1200289	1

Cable duct cutter



- Leverage and special cutting geometry enables easy, burr-free cutting with minimum effort
- Grip protection for safety
- Metric measuring rail with adjustable limit stop
- 125 mm cutting width
- Material thickness of up to 2.5 mm



Cable duct cutter

Technical data

Dimensions		Width	Length	Height
	[mm]	285	280	290
General data				
Length of the measuring rail	[mm]	1000		
Length of the hand lever	[mm]	500		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Cable duct cutter	**PPS CD M**	1207569	1

Accessories

Replacement blade, for PPS CD M	**PPS CD BLADE**	1207572	1
Replacement counter support (grip protection), for PPS CD M	**PPS CD M COHO**	1208995	1
Workbench, with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes	**PPS TABLE**	1206285	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

Profile cutters



- The PPS BASIC I/M is the lightweight version of the profile cutters. It can process the common EN DIN rails NS 35/15, NS 35/7,5 and NS 15, and the NLS-CU 3/10 neutral busbar
- The PPS STANDARD ... and PPS CLASSIC ... are equipped with two stamping bits for round holes or elongated holes
- The PPS CLASSIC ... is the ideal choice for varying hole formats. By simply folding open the upper part of the PPS ..., the stamping bits are changed in no time at all



DIN rail cutter

Technical data

Dimensions		Width	Length	Height
	[mm]	**150**	**60**	**180**
General data				
Weight	[kg]	8.3		
Length of the measuring rail	[mm]	1000		
Length of the hand lever	[mm]	590		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
DIN rail cutter, for cutting standard DIN rails to length, NS 15 / NS 35/7,5/NS 35/15 and for cutting the NLS-CU 3/10 neutral busbar to length, with inch/metric measuring rail	**PPS BASIC I/M**	1207585	1
DIN rail cutter, for cutting and punching standard DIN rails to length, NS 32 / NS 35/7,5 / NS 35/15 and for cutting the NS 15 and NLS-CU 3/10 neutral busbar to length, to accommodate 2 stamping bits, with metric measuring rail, supplied without stamping bits			
As above, but with inch/metric measuring rail			
DIN rail cutter, for cutting and punching standard DIN rails to length, NS 32 / NS 35/7,5 / NS 35/15 and for cutting the NS 15 and NLS-CU 3/10 neutral busbar to length, to accommodate 2 stamping bits, easy exchange of stamping bits, with metric measuring rail, supplied without stamping bits			
As above, but with inch/metric measuring rail			
Hydraulic cylinder, for connection to an existing hydraulic system, operating pressure of 160 - 220 bar, G 1/4" connection thread, with spring reset, only suitable for PPS STANDARD ...			

Accessories

Stamping bit, for elongated holes, lengthways 3.5 x 12 mm 4.5 x 12 mm 5.5 x 12 mm 6.5 x 15 mm			
Stamping bit, for elongated holes, vertical 3.5 x 12 mm 4.5 x 12 mm 5.5 x 12 mm 6.5 x 15 mm			
Stamping bit, for round holes 3.8 mm Ø 4.3 mm Ø 5.3 mm Ø 6.4 mm Ø 7.0 mm Ø 8.4 mm Ø			
Hydraulic cylinder, for connection to an existing hydraulic system, operating pressure of 160 - 220 bar, G 1/4" connection thread, with spring reset, only suitable for PPS STANDARD ...			
Workbench, with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes	**PPS TABLE**	1206285	1

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DIN rail cutter with bore hole die



DIN rail cutter with piercer and quick change mechanism



Hydraulic cylinder

Technical data

Width	Length	Height
180	**100**	**220**
19		
1000		
1000		

Ordering data

Type	Order No.	Pcs./Pkt.
PPS STANDARD M	1206175	1
PPS STANDARD I/M	1206230	1

Accessories

PPS-ST (3,5X12)L	1203563	1
PPS-ST (4,5X12)L	1203534	1
PPS-ST (5,5X12)L	1202603	1
PPS-ST (6,5X15)L	1202593	1
PPS-ST (3,5X12)Q	1203550	1
PPS-ST (4,5X12)Q	1203547	1
PPS-ST (5,5X12)Q	1203411	1
PPS-ST (6,5X15)Q	1203408	1
PPS-ST (3,8)	1204892	1
PPS-ST (4,3)	1202616	1
PPS-ST (5,3)	1202629	1
PPS-ST (6,4)	1202632	1
PPS-ST (7,0)	1204889	1
PPS-ST (8,4)	1202726	1
PPS HYDRAULIC CYL	1208924	1
PPS TABLE	1206285	1

Technical data

Width	Length	Height
250	**100**	**230**
19		
1000		
1000		

Ordering data

Type	Order No.	Pcs./Pkt.
PPS CLASSIC M	1206243	1
PPS CLASSIC I/M	1206256	1

Accessories

PPS-ST (3,5X12)L	1203563	1
PPS-ST (4,5X12)L	1203534	1
PPS-ST (5,5X12)L	1202603	1
PPS-ST (6,5X15)L	1202593	1
PPS-ST (3,5X12)Q	1203550	1
PPS-ST (4,5X12)Q	1203547	1
PPS-ST (5,5X12)Q	1203411	1
PPS-ST (6,5X15)Q	1203408	1
PPS-ST (3,8)	1204892	1
PPS-ST (4,3)	1202616	1
PPS-ST (5,3)	1202629	1
PPS-ST (6,4)	1202632	1
PPS-ST (7,0)	1204889	1
PPS-ST (8,4)	1202726	1
PPS TABLE	1206285	1

Technical data

Width	Length	Height
95	**95**	**110**
3		
-		
-		

Ordering data

Type	Order No.	Pcs./Pkt.
PPS HYDRAULIC CYL	1208924	1

Accessories

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MICROFOX electronics pliers

– Various head shapes, even for areas that are difficult to access
– Precision-ground for exact cutting applications with minimum effort
– Mirror-polished and oiled metal surfaces
– Additional inductive hardened cutting for long-term, stable cutting performance

Notes:

For technical data regarding cutting capacity, see phoenixcontact.net/products



Diagonal cutter, with chamfer



Front cutter

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Electronic diagonal cutter, round head, with chamfer, with opening spring	MICROFOX-SB	1212489	1			
Electronic diagonal cutter, tapered head, angled (21°), without chamfer, with opening spring	MICROFOX-SP	1212488	1			
Electronic diagonal cutter, tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version	MICROFOX-SP-1	1212487	1			
Electronic front cutter, without chamfer, with opening spring				MICROFOX-E	1212494	1
Electronic front cutter, 20° angle, without chamfer, with opening spring				MICROFOX-EO	1212495	1

MICROFOX electronics pliers

– Ergonomically designed two-component grip for fatigue-proof and non-slip use
– Opening spring for uniform, smooth opening
– Through-connected joint for permanent stability and optimum distribution of force
– Smooth grip to prevent damage to components when gripping and bending



Needle-nose pliers



Flat and round-nose pliers

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Electronic needle-nose pliers, smooth grip, with opening spring	MICROFOX-P	1212491	1			
Electronic needle-nose pliers, 45° angle, smooth grip, with opening spring	MICROFOX-PC	1212492	1			
Electronic flat-nose pliers, smooth grip, with opening spring				MICROFOX-F	1212493	1
Electronic round-nose pliers, smooth grip, with opening spring				MICROFOX-R	1212490	1

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MICROFOX ESD electronics pliers

- Mirror-polished and phosphate-treated metal surfaces for optimum corrosion protection and no glare when working
- Various head shapes, even for areas that are difficult to access
- Screwed precision-joint
- Precision-ground for exact cutting applications

Notes:

For technical data regarding cutting capacity, see phoenixcontact.net/products

ESD



Diagonal cutter

ESD



Front cutter

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
ESD electronic diagonal cutter, round head, without chamfer, with opening spring	MICROFOX-S ESD	1212480	1			
ESD electronic front cutter, without chamfer, with opening spring				MICROFOX-E ESD	1212485	1

MICROFOX ESD electronics pliers

- Special conductive, ESD-compliant plastics in accordance with DIN EN 61340-5, for example
- Ergonomically designed two-component grip for fatigue-proof and non-slip use
- Opening spring for uniform, smooth opening
- Smooth grip to prevent damage to components when gripping and bending

ESD



Needle-nose pliers

ESD



Flat and round-nose pliers

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
ESD electronic needle-nose pliers, smooth grip, with opening spring	MICROFOX-P ESD	1212482	1			
ESD electronic needle-nose pliers, 45° angle, smooth grip, with opening spring	MICROFOX-PC ESD	1212483	1			
ESD electronic flat-nose pliers, smooth grip, with opening spring				MICROFOX-F ESD	1212484	1
ESD electronic round-nose pliers, smooth grip, with opening spring				MICROFOX-R ESD	1212481	1

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WIREFOX stripping tools

- Ergonomically shaped pliers
- WIREFOX ... stripping pliers feature an automatic adjustment mechanism for a wide range of different types of insulation and conductor sizes
- Practical integrated wire cutter
- Flexible, adjustable conductor limit stop
- The blade cartridges are replaced quickly and easily. They can be combined with each other



0.08 - 2.5 mm² conductor cross section



Conductor cross section of 0.1 ... 4 mm², for special conductors

Technical data

Conductor / cable stripping range			
Conductor / cable	[mm²] / AWG	0.08 - 2.5 / 28 - 12	0.1 - 4 / 28 - 12
Stripping length up to ...	[mm]	15	18
Wire cutter rigid // flexible	[mm²] / AWG	2.5 / 14 // 6 / 10	1.5 / 16 // 10 / 8

Ordering data

Description	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Stripping tool, angled design, for cables and conductors with a cross section of 0.08 mm² - 2.5 mm², self-adjusting, stripping length of up to 15 mm, cutting capacity: rigid up to 2.5 mm², flexible up to 6 mm²	**WIREFOX 2,5**	1212368	1			
Stripping tool, angled design, for cables and conductors (specifically also intended for rubber and other kinds of special insulation) from 0.1 mm² - 4 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: rigid up to 1.5 mm², flexible up to 10 mm²				**WIREFOX-E 4**	1212704	1
Stripping tool, angled design, for cables and conductors (specifically also intended for short-circuit-proof cables) from 1.5 mm² - 6 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: rigid up to 1.5 mm², flexible up to 10 mm²						
Stripping tool, angled design, for cables and conductors from 0.02 mm² - 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: rigid up to 1.5 mm², flexible up to 10 mm²						
Stripping tool, angled design, for cables and conductors from 4 mm² - 16 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: rigid up to 1.5 mm², flexible up to 10 mm²						

Accessories

Replacement blade cartridge	**WIREFOX 2,5/SB**	1212369	1	**WIREFOX 4/SB**	1212151	1
Replacement limit stop	**WIREFOX 2,5/WS**	1212370	1	**WIREFOX 10/WS**	1200285	1
Replacement clamping jaws				**WIREFOX 10/CJ**	1200286	1

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Conductor cross section of 1.5 - 6 mm² for short-circuit-proof cables



0.02 - 10 mm² conductor cross section



4 - 16 mm² conductor cross section

EAC

Technical data

1.5 - 6 / 16 - 10
18
1.5 / 16 // 10 / 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-E 6SC	1212705	1

Accessories

WIREFOX 6SC/SB	1212314	1
WIREFOX 10/WS	1200285	1
WIREFOX 10/CJ	1200286	1

EAC

Technical data

0.02 - 10 / 34 - 8
18
1.5 / 16 // 10 / 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-E 10	1212706	1

Accessories

WIREFOX 10/SB	1212152	1
WIREFOX 10/WS	1200285	1
WIREFOX 10/CJ	1200286	1

EAC

Technical data

4 - 16 / 12 - 5
18
1.5 / 16 // 10 / 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-E 16	1212707	1

Accessories

WIREFOX 16/SB	1212153	1
WIREFOX 10/WS	1200285	1
WIREFOX 16/CJ	1200287	2

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WIREFOX stripping tools



- Ergonomically shaped pliers
- Anti-slip handle design provides a safe and comfortable grip
- WIREFOX ... stripping pliers feature an automatic adjustment mechanism for a wide range of different types of insulation and conductor sizes
- Practical integrated wire cutter
- Highly adjustable limit stop for the stripping length
- The blade cartridges are replaced quickly and easily. They can be combined with each other



Conductor cross section 0.1 - 4 mm², for special conductors

Technical data

Conductor / cable stripping range		
Conductor / cable	[mm²] / AWG	0.1 - 4 / 28 - 12
Stripping length up to ...	[mm]	18
Wire cutter rigid // flexible	[mm²] / AWG	1.5 / 16 // 10 / 8

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping tool, for cables and conductors (specifically also intended for rubber and other kinds of special insulation) with a cross section of 0.1 - 4 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: rigid up to 1.5 mm², flexible up to 10 mm²	**WIREFOX 4**	1212156	1

Accessories

Replacement blade cartridge	**WIREFOX 4/SB**	1212151	1
Replacement limit stop	**WIREFOX 10/WS**	1200285	1
Replacement clamping jaws	**WIREFOX 10/CJ**	1200286	1

WIREFOX stripping tools





Conductor cross section of 1.5 - 6 mm² for short-circuit-proof cables

Technical data

Conductor / cable stripping range		
Conductor / cable	[mm²] / AWG	1.5 - 6 / 16 - 10
Stripping length up to ...	[mm]	18
Wire cutter rigid // flexible	[mm²] / AWG	1.5 / 16 // 10 / 8

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping tool, for cables and conductors (specifically also intended for short-circuit-proof cables) of 1.5 - 6 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: rigid up to 1.5 mm², flexible up to 10 mm²	**WIREFOX 6SC**	1212158	1

Accessories

Replacement blade	**WIREFOX 6SC/SB**	1212314	1
Replacement limit stop	**WIREFOX 10/WS**	1200285	1
Replacement clamping jaws	**WIREFOX 10/CJ**	1200286	1

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WIREFOX stripping tools



0.02 - 10 mm² conductor cross section



4 - 16 mm² conductor cross section

		Technical data	Technical data
Conductor / cable stripping range			
Conductor / cable	[mm²] / AWG	0.02 - 10 / 34 - 8	4 - 16 / 12 - 5
Stripping length up to ...	[mm]	18	18
Wire cutter rigid // flexible	[mm²] / AWG	1.5 / 16 // 10 / 8	1.5 / 16 // 10 / 8

	Ordering data			Ordering data		
Description	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Stripping tool, for 0.02 - 10 mm² cables and conductors, self-adjusting, stripping length up to 18 mm, cutting capacity: rigid up to 1.5 mm², flexible up to 10 mm²	**WIREFOX 10**	1212150	1			
Stripping tool, for 4 - 16 mm² cables and conductors, self-adjusting, stripping length up to 18 mm, cutting capacity: rigid up to 1.5 mm², flexible up to 10 mm²				**WIREFOX 16**	1212155	1
	Accessories			**Accessories**		
Replacement blade	**WIREFOX 10/SB**	1212152	1	**WIREFOX 16/SB**	1212153	1

Stripping machine

Notes:
An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.



- The automatic cutting device can be used to cut conductors, cables, and similar profiles
- Multi-strand cables with a diameter of up to 6 mm are also stripped
- For further information, accessories, and technical data, refer to the AUTOMATIC DEVICES section



Conductor cross sections from 0.08 to 6 mm²

	Ordering data		
Description	Type	Order No.	Pcs./Pkt.
Stripping machine, 230 V/50 Hz version, for conductors and cables, rigid and flexible 0.08 - 6 mm² (maximum Ø 6 mm), with integrated graphic display	**WF 1000**	1212149	1
Stripping machine, 120 V/60 Hz version, for conductors and cables, rigid and flexible 0.08 - 6 mm² (maximum Ø 6 mm), with integrated graphic display	**WF 1000 120V**	1212258	1

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WIREFOX stripping tools

- WIREFOX ... stripping pliers feature an automatic adjustment mechanism for a wide range of different types of insulation and conductor sizes
- Special blade geometries for various applications
- Precise and clean stripping results
- Any stripping lengths possible, thanks to the special design of the pliers



For sensor/actuator cables (SAC cables)



For flat cables

Technical data

Conductor / cable stripping range	
Conductor / cable [mm²] / AWG	6 - 16 / 10 - 5

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping pliers, for cables and conductors with a cross section of 6 - 16 mm², self-adjusting, any stripping length, also suitable for sensor/actuator cables	**WIREFOX 16-1**	1212157	1
Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, for diameters from 4.4 mm to 7 mm, any stripping length	**WIREFOX SAC**	1212623	1
Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, for diameters from 3.2 mm to 4.4 mm, any stripping length	**WIREFOX SAC-1**	1212757	1
Stripping pliers, for 0.75 - 2.5 mm² flat cables up to 15 mm wide, any stripping length			
Stripping pliers, for AS-Interface flat cables, any stripping length			
Stripping pliers, strip cables for cable cutouts, cable tap-offs, and shield connections with a diameter of 8 - 9 mm, insulation thickness of up to 1.2 mm, stripping length of 20 mm and above			
Stripping pliers, for removing the sheath from cables up to 5 mm in diameter, for stripping conductors with a cross section of up to 10 mm², scale for measuring the stripping length; VDE-tested black			
Multifunctional stripping tool, for removing the sheath from cables with a diameter of 8 to 13 mm, for stripping cables with a cross section of 0.2 to 10 mm², with full-fledged diagonal cutter, VDE 1000 V AC/1500 V DC tested black			

Accessories

Replacement blade	**WIREFOX 16-1/SB**	1204944	1
	WIREFOX SAC/SB	1200282	1
	WIREFOX SAC-1/SB	1200283	1

Technical data

Conductor / cable stripping range	
Conductor / cable [mm²] / AWG	0.75 - 2.5 / 18 - 12

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX FC	1212619	1
WIREFOX ASI	1212154	1

Accessories

WIREFOX FC/SB	1200284	1
WIREFOX ASI/SB	1208076	1

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For both shielded and unshielded cables



Conductor cross section of 0.2 ... 10 mm², (VDE)



Multifunctional tool

EAC

Technical data

- / -

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D SHIELD	1212172	1

Accessories

EAC

Technical data

0.2 - 10 / 24 - 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX 10 VDE	1212366	1

Accessories

EAC

Technical data

0.2 - 10 / 24 - 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-MP VDE	1212528	1

Accessories

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WIREFOX stripping tools



- The right tool for every application
- Conductors and cables with all kinds of insulation are stripped up to a diameter of 40 mm
- The blades are precision ground. They represent long-term, reliable use
- Quick, easy, and reliable to use



Conductor diameter of 2.5 - 11 mm

EAC

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping tool, for stripping multicore signal, control, and fiberglass cables with 2.5 - 11 mm Ø, insulation thickness of up to 1 mm	**WIREFOX-D 11**	1212160	1
Stripping tool, for stripping installation cables with 8 - 13 mm Ø, for example, NYM 3x1.5 mm² to NYM 5x2.5 mm², single-wire stripping, 0.2 - 4 mm², with blade for lateral cutting and extendable knife			
Stripping tool, for stripping cables with 4.5 - 40 mm Ø, insulation thickness of up to 4.5 mm, swivel blade for round, longitudinal, and spiral cuts			
Stripping tool, for stripping cables (especially FO cables) with 4 - 16 mm Ø			
Stripping tool, for stripping cables with 8 - 28 mm Ø			

Accessories

Replacement blade	**WIREFOX-D 11/SB**	1212312	1

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Conductor diameter of 8 - 13 mm



Conductor diameter of 4.5 - 40 mm



Conductor diameter of 4 - 16 mm / 4 - 28 mm

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D 13	1212162	1

Accessories

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D 40	1212161	1

Accessories

WIREFOX-D 40/SB	1212313	1

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D 16	1212173	1
WIREFOX-D 28	1212174	1

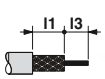
Accessories

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WIREFOX stripping tools



- Large selection of precision stripping tools
- The right tool for every application
- Easy to use
- Use of high-quality components for durability





For coaxial cables, conductor diameter of 2.5 - 7.6 mm

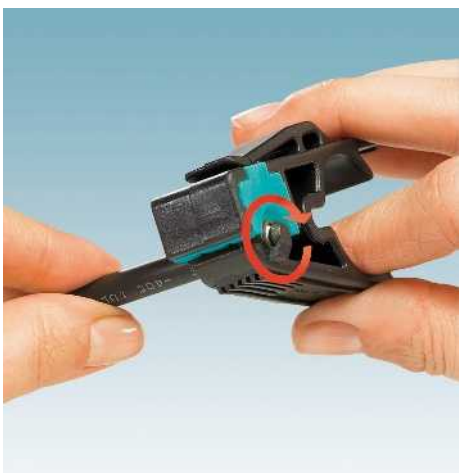
EAC

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping tool, for coaxial cables, from 2.5 - 7.6 mm Ø, l3 = variable			
2-stage, setting dimension l1 = 6.0 mm	**WIREFOX-D CX-1**	1212163	1
2-stage, setting dimension l1 = 9.2 mm	**WIREFOX-D CX-2**	1212164	1
2-stage, setting dimension l1 = 12 mm	**WIREFOX-D CX-3**	1212165	1
2-stage, setting dimension l1 = 6.8 mm	**WIREFOX-D CX-4**	1212166	1
3-stage, setting dimension l1 = 5.5 mm, l2 = 5.5 mm	**WIREFOX-D CX-5**	1212167	1
3-stage, setting dimension l1 = 8.3 mm, l2 = 2.7 mm	**WIREFOX-D CX-6**	1212168	1
3-stage, setting dimension l1 = 6.0 mm, l2 = 6.0 mm	**WIREFOX-D CX-7**	1212169	1
3-stage, setting dimension l1 = 6.8 mm, l2 = 2.5 mm	**WIREFOX-D CX-8**	1212170	1
3-stage, setting dimension l1 = 7.5 mm, l2 = 3.5 mm	**WIREFOX-D CX-9**	1212171	1
Stripping tool, for CATV type F, stripping length: 6.35 mm			
Stripping tool, for 2.5 - 6 mm² solar cables, 8.5 mm stripping length, for MC3, MC4 and SOLARLOK contacts			
Stripping tool, for standard 2.5, 4, and 6 mm² solar cables, with 15 mm length stop, for SUNCLIX field connectors			

Accessories

Replacement blade	**WIREFOX-D CX-1/SB**	1212303	1
	WIREFOX-D CX-2/SB	1212304	1
	WIREFOX-D CX-3/SB	1212305	1
	WIREFOX-D CX-4/SB	1212306	1
	WIREFOX-D CX-5/SB	1212307	1
	WIREFOX-D CX-6/SB	1212308	1
	WIREFOX-D CX-7/SB	1212309	1
	WIREFOX-D CX-8/SB	1212310	1
	WIREFOX-D CX-9/SB	1212311	1



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For coaxial cables, RG 59 and RG 6



For solar cables, conductor cross section of 2.5 ... 6 mm²



For solar cables, conductor cross section of 2.5 ... 6 mm²

EAC

EAC

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D CX 6,35	1212733	1

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D SR 6	1212507	1

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D SR 6-1	1212511	1

Accessories

Accessories

Accessories

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CRIMPFOX 4 IN 1 multifunctional crimping pliers



– The CRIMPFOX 4 IN 1 multifunctional crimping pliers are used to process taped ferrules in accordance with DIN 46228-4 and UL 486F
– 4 functions combined in a single tool: cutting, stripping, twisting, and crimping
– An effective handling process enables all steps to be performed without putting the tool down



– Fitted with a releasing pressure lock, the pliers provide consistently high-quality crimping. They are ideally suited to use in industrial applications



– The robust stripping unit with its special blade geometry provides permanently consistent stripping results
– Length and cross section settings are not necessary
– In order to re-establish the twist which is lost during the stripping process, a twisting system is included



– The cross section can be conveniently changed in a matter of seconds by replacing the magazine which is loaded with taped product
– The AI...S1 ferrules in accordance with UL 486F are UL-certified when used in combination with the CRIMPFOX 4 IN 1

Notes:

[1]) These color and/or length variants of ferrules are currently not included in DIN 46228-4 and UL 486F, and are therefore not UL-certified. As of 11/2018. Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.

Area of application	
Conductor	[mm²] / AWG
Crimping	

Description	Color
Tool for processing ferrules with cutting, stripping, twisting, and crimping unit, with one magazine	
Tool for processing ferrules with cutting, stripping, twisting, and crimping unit, with three magazines, including one strip each of ferrules from 0.5 mm² - 2.5 mm², packaged in a robust plastic case	
Taped ferrules, ferrule length: 8 mm, in accordance with DIN 46228-4 and UL 486F, 10 strips with 50(40) ferrules per strip, UL and CSA-certified	
0.5 mm²	white
0.75 mm²	gray
1,0 mm²	red
1,5 mm²	black
2.5 mm²	blue
Taped ferrules, color in accordance with NF C 63-023, CSA-certified	
0.75 mm²[1])	blue
2.5 mm²[1])	gray
Ferrule magazine for CRIMPFOX 4 IN 1, for ferrules with insulating collars from 0.5 - 2.5 mm² with a length of 8 mm	

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Multifunctional ferrule crimping pliers



Conductor cross section of 0.5 ... 2.5 mm²

Technical data	
0.5 - 2.5 / 20 - 14	- / -
Indent crimp	-

Technical data	
- / -	
-	

Ordering data		
Type	**Order No.**	Pcs./Pkt.
CRIMPFOX 4 IN 1	**1200101**	1
CRIMPFOX 4 IN 1 SET	**1200102**	1

Ordering data		
Type	**Order No.**	Pcs./Pkt.
AI 0,5-8 WH S1	**1200104**	500
AI 0,75- 8 GY S1	**1200105**	500
AI 1,0-8 RD S1	**1200106**	500
AI 1,5-8 BK S1	**1200107**	500
AI 2,5-8 BU S1	**1200108**	400
AI 0,75- 8 BU S1	**1200163**	500
AI 2,5-8 GY S1	**1200164**	400

Accessories		
CRIMPFOX 4 IN 1/MAG	**1200103**	1

Accessories		

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CRIMPFOX crimping pliers for ferrules





0.25 ... 2.5 mm² conductor cross section

- The ergonomically designed handles and the optimized mechanical transmission ensure an optimum grip and significantly reduce the amount of force required
- Consistently high crimping quality, thanks to the integrated pressure lock
- Marked die stations for precise processing of the relevant cross sections
- The A... and AI.... ferrules in accordance with UL 486F are UL-certified when used in combination with the CRIMPFOX 6. For further information, visit www.phoenixcontact.com

Technical data

Area of application		
Conductor	[mm²] / AWG	0.25 - 2.5 / 24 - 14
Crimping		Trapezoidal crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, compact pliers, for ferrules in accordance with DIN 46228-1/4 and UL 486F, unlockable pressure lock, lateral entry	**CRIMPFOX 2,5-M**	1212719	1
Crimping pliers, for ferrules in accordance with DIN 46228-1-4 and UL 486F, five marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, compact pliers, for ferrules in accordance with DIN 46228-1/4 and UL 486F, unlockable pressure lock, lateral entry			
Crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486F, unlockable pressure lock, lateral entry			

Accessories

Replacement die			
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1

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0.25 ... 6 mm² conductor cross section



0.25 ... 6 mm² conductor cross section



4 ... 10 mm² conductor cross section

EAC

Technical data

0.25 - 6 / 24 - 10
Trapezoidal crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 6	1212034	1

Accessories

CRIMPFOX 6/DIE	1212035	1
CRIMPFOX/ SPR-3	1212036	10

EAC

Technical data

0.25 - 6 / 24 - 10
Trapezoidal crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 6-M	1212720	1

Accessories

CRIMPFOX/ SPR-1	1212069	1

EAC

Technical data

4 - 10 / 12 - 8
Trapezoidal crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 10	1212721	1

Accessories

CRIMPFOX/ SPR-1	1212069	1

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CRIMPFOX crimping pliers for ferrules

new





Conductor cross section of 0.14 ... 10 mm²

- Flexible crimping even in difficult-to-access points, thanks to rotating die
- Consistently high crimping quality, thanks to the integrated pressure lock
- The self-adjusting dies automatically adjust to the sleeve sizes
- Bound to impress, thanks to the quick and reliable contact processing method
- Ergonomically designed handles ensure an optimum grip. They help avoid fatigue when working
- The A... and AI.... ferrules in accordance with UL 486F are UL-certified when used in combination with the CRIMPFOX DUO 10. For further information, visit www.phoenixcontact.com

Technical data

Area of application		
Conductor	[mm²] / AWG	0.14 - 10 / 26 - 8
Crimping		Trapezoidal crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486F, 0.14 ... 10 mm², also ideal for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, rotating die, lateral and front entry	**CRIMPFOX DUO 10**	1031721	1
Tool kit, equipped with each of the following tools: WIREFOX 10 I CRIMPFOX DUO 10 I AI SORTI BOX RD I AI-TWIN SORTI BOX BU I TOOL-KIT STANDARD EMPTY	**CRIMPFOX DUO 10 SET**	1044971	1
Crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486F, self-adjusting die, unlockable pressure lock, front entry			
Crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486F, self-adjusting die, unlockable pressure lock, front entry			

Accessories

Replacement recuperating spring		
CRIMPFOX/ SPR-4	1200288	1



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Conductor cross section
of 0.5 ... 6 mm²



Conductor cross section
of 0.25 ... 6 mm²

EAC

Technical data

0.5 - 6 / 20 - 10
Square crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 6S-F	1212043	1

Accessories

CRIMPFOX/ SPR-1	1212069	1

EAC

Technical data

0.25 - 6 / 24 - 10
Trapezoidal crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 6T-F	1212038	1

Accessories

CRIMPFOX/ SPR-1	1212069	1

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CRIMPFOX crimping pliers for ferrules

– The self-adjusting die of the crimping pliers automatically adapts to the size of the sleeve and impresses with its quick and reliable contact processing method
– The A... and AI.... ferrules in accordance with UL 486F are UL-certified when used in combination with the CRIMPFOX CENTRUS... For further information, visit www.phoenixcontact.com



Conductor cross section 0.14 ... 6 mm²



Conductor cross section 0.14 ... 6 mm²

Technical data	
Area of application	
Conductor [mm²] / AWG	0.14 - 6 / 26 - 10
Crimping	Square crimp

Technical data	
	0.14 - 6 / 26 - 10
	HEX crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486F, 0.14 ... 6 mm², unlockable pressure lock, lateral entry	**CRIMPFOX CENTRUS 6S**	1213144	1

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX CENTRUS 6H	1213146	1

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-4**	1200288	1

Accessories

	CRIMPFOX/ SPR-4	1200288	1

CRIMPFOX crimping pliers for ferrules

– These compact crimping pliers have been designed to reduce effort when working
– The minimal gripping distance and the ergonomic handle shape enable comfortable use, with up to 30% less manual force. Also ideal for TWIN ferrules



Conductor cross section 0.14 ... 10 mm²



Conductor cross section 0.14 ... 10 mm²

Technical data	
Area of application	
Conductor [mm²] / AWG	0.14 - 10 / 26 - 8
Crimping	Square crimp

Technical data	
	0.14 - 10 / 26 - 8
	HEX crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486F, 0.14 ... 10 mm², unlockable pressure lock, lateral entry	**CRIMPFOX CENTRUS 10S**	1213154	1

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX CENTRUS 10H	1213156	1

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-4**	1200288	1

Accessories

	CRIMPFOX/ SPR-4	1200288	1

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CRIMPFOX crimping pliers for ferrules

– These crimping pliers are used to conveniently process ferrules measuring up to 50 mm²
– The A... and AI.... ferrules in accordance with UL 486F are UL-certified when used in combination with the CRIMPFOX 25R / 50R. For further information, visit www.phoenixcontact.com

Notes:
Find corresponding ferrules from page 480.



Conductor cross section of 10 - 25 mm²



Conductor cross section of 35 - 50 mm²

Technical data

Area of application		
Conductor	[mm²] / AWG	10 - 25 / 8 - 4
Crimping		WM crimp

Technical data

Area of application		
Conductor	[mm²] / AWG	35 - 50 / 2 - 1
Crimping		WM crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for ferrules in accordance with DIN 46228-1-4 and UL 486F, three marked die stations, unlockable pressure lock, lateral entry			
Two marked die stations	**CRIMPFOX 25R**	1212039	1

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 50R	1212041	1

Accessories

Replacement die	**CRIMPFOX 25R/DIE**	1212040	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1

Accessories

	CRIMPFOX 50R/DIE	1212042	1
	CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX crimping pliers for TWIN ferrules

– These pliers are specially designed for convenient, high process reliability of TWIN ferrules
– The innovative mechanical design of these pliers means that up to 25% less force is required compared to conventional pliers.
– The balanced weight distribution ensures low-fatigue, convenient application
– The AI-TWIN .... ferrules in accordance with UL 486F are UL-certified when used in combination with the CRIMPFOX 16R TWIN. For further information, visit www.phoenixcontact.com



Conductor cross section 2 x 6 ... 2 x 16 mm²

Technical data

Area of application		
Conductor	[mm²] / AWG	6 - 16 / 10 - 6
Crimping		WM crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for TWIN ferrules in accordance withUL 486F, three marked die stations, unlockable pressure lock, lateral entry			
	CRIMPFOX 16R TWIN	1212845	1

Accessories

Replacement die for TWIN ferrules (AI-TWIN ...) 2 x 6, 2 x 10 and 2 x 16 mm²	**CRIMPFOX 16R TWIN/DIE**	1212846	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1

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CRIMPFOX crimping pliers for cable lugs and connectors

– Consistently high crimping quality, thanks to the integrated pressure lock
– The color-coded dies clearly indicate the cross section

Notes:

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 480.



Conductor cross section of 0.14 ... 1 mm²



Conductor cross section of 0.5 ... 2.5 mm²

EAC

Technical data

Area of application			
Conductor	[mm²] / AWG	0.14 - 1 / 26 - 18	
Crimping		Oval crimp	

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for insulated cable lugs (light green, red), three marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-RCI 1**	1212055	1
Crimping pliers, compact pliers, for insulated cable lugs (light green, red), three marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-RCI 1-M**	1212727	1
Crimping pliers, for insulated cable lugs (red, blue), two marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, compact pliers, for insulated cable lugs (red, blue), two marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, for insulated cable lugs, symmetrical (red, blue, yellow), three marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, compact pliers, for insulated cable lugs, symmetrical (red, blue, yellow), three marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, for insulated DIN cable lugs, symmetrical (red, blue, yellow), three marked die stations, unlockable pressure lock, lateral entry black			
Crimping pliers, for insulated cable lugs, asymmetrical (red, blue, yellow), three marked die stations, unlockable pressure lock, lateral entry black			
Crimping pliers, for fully insulated shrink connectors (red, blue, yellow), three marked die stations, unlockable pressure lock, lateral entry black			

Accessories

Replacement die	**CRIMPFOX-RCI 1/DIE**	1212056	1
Replacement recuperating spring	**CRIMPFOX/ SPR-3**	1212036	10

EAC

Technical data

Area of application			
Conductor	[mm²] / AWG	0.5 - 2.5 / 20 - 14	
Crimping		Oval crimp	

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RCI 2,5	1212053	1

Accessories

CRIMPFOX-RCI 2,5/DIE	1212054	1
CRIMPFOX/ SPR-3	1212036	10

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Conductor cross section
of 0.5 ... 2.5 mm²

EAC

Technical data

0.5 - 2.5 / 20 - 14
Oval crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RCI 2,5-M	1212728	1

Accessories

CRIMPFOX/ SPR-1	1212069	1



Conductor cross section
of 0.5 ... 6 mm²

EAC

Technical data

0.5 - 6 / 20 - 10
Oval crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RCI 6	1212057	1
CRIMPFOX-RCI 6-M	1212730	1
CRIMPFOX-RCI DIN 6	1212729	1
CRIMPFOX-RCI 6-1	1212059	1

Accessories

CRIMPFOX-RCI 6/DIE	1212058	1
CRIMPFOX-RCI 6-1/DIE	1212290	1
CRIMPFOX/ SPR-1	1212069	1



Conductor cross section
of 0.5 ... 6 mm²

EAC

Technical data

0.5 - 6 / 20 - 10
Oval crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-HS 6	1212722	1

Accessories

CRIMPFOX/ SPR-1	1212069	1

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CRIMPFOX crimping pliers for uninsulated cable lugs

– The ergonomically designed handles and the optimized mechanical transmission ensure an optimum grip and significantly reduce the amount of force required
– Compact and lightweight design
– Unlockable pressure lock

Notes:

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 480.



Conductor cross section of 0.34 ... 2.5 mm²



Conductor cross section of 0.34 ... 6 mm²

EAC

Technical data

Area of application		
Conductor	[mm²] / AWG	0.34 - 2.5 / 22 - 14
Crimping		Indent crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for uninsulated cable lugs, three marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-RC 2,5**	1212063	1
Crimping pliers, compact pliers, for uninsulated cable lugs, three marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-RC 2,5-M**	1212723	1
Crimping pliers, compact pliers, for uninsulated cable lugs, two marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, for uninsulated cable lugs, two marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, for uninsulated cable lugs, three marked die stations, unlockable pressure lock, lateral entry			

Accessories

Replacement die	**CRIMPFOX-RC 2,5/DIE**	1212064	1
Replacement recuperating spring	**CRIMPFOX/ SPR-3**	1212036	10

EAC

Technical data

Area of application		
Conductor	[mm²] / AWG	0.34 - 6 / 22 - 10
Crimping		Indent crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RC 6-M	1212724	1

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1

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Conductor cross section of 0.34 ... 6 mm²



Conductor cross section of 4 - 10 mm²

EAC

Technical data

0.35 - 6 / 22 - 10
Indent crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RC 6	1212710	1

Accessories

CRIMPFOX/ SPR-3	1212036	10

EAC

Technical data

4 - 10 / 12 - 8
Indent crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RC 10	1212061	1

Accessories

CRIMPFOX/ SPR-3	1212036	10

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CRIMPFOX crimping pliers for uninsulated cable lugs

– Unlockable pressure lock
– Marked die stations for precise processing of the relevant cross sections
– The fixing element on the lower handle edge is placed on surfaces to support manual force



Conductor cross section of 10 - 25 mm²

Technical data

Area of application		
Conductor	[mm²] / AWG	10 - 25 / 8 - 4
Crimping		Indent crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for uninsulated cable lugs	**CRIMPFOX-RC 25**	1212065	1

Accessories

Replacement die	**CRIMPFOX-RC 25/DIE**	1212299	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1

CRIMPFOX crimping pliers for uninsulated tube lugs

– Consistently high crimping quality, thanks to the integrated pressure lock



Conductor cross section of 4 - 16 mm²



Conductor cross section of 10 - 70 mm²

Technical data

Area of application		
Conductor	[mm²] / AWG	4 - 16 / 11 - 5
Crimping		Indent crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for standard, uninsulated tube lugs, three marked die stations	**CRIMPFOX-RCT 16-1**	1212731	1
Crimping pliers, for standard, uninsulated tube lugs, three marked die stations, unlockable pressure lock, lateral entry, 10 - 25 mm² conductor cross section, crimping: HEX crimp			
Crimping pliers, for standard, uninsulated tube lugs, with rotatable die, 5 stations, 10 - 70 mm² conductor cross section			

Technical data

Area of application		
Conductor	[mm²] / AWG	10 - 70 / 8 - 00
Crimping		Indent crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RCT 25-1	1212066	1
CRIMPFOX-RCT 70-1	1212732	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

CRIMPFOX basic pliers, for accommodating various crimp inserts

– Universal crimping pliers up to 120 mm²
– Wide variety of available dies
– Easily foldable jaw holders mean that the dies can be changed quickly
– A mechanical ratchet system keeps the level of force required to an absolute minimum

Notes:

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 480.

For more dies, visit phoenixcontact.net/products.



Basic pliers for various dies up to 50 mm²



Basic pliers for various dies up to 120 mm²

EAC

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Basic pliers, with ratchet function, accommodate crimping dies for various types of contact						
Up to 50 mm²	**CRIMPFOX-C50**	1212340	1			
Two-hand operation up to 120 mm²				**CRIMPFOX-C120**	1212318	1
	Accessories			**Accessories**		
Upper part of die, for ferrules 50 mm², 70 mm², trapezoidal crimp						
For 95 mm²				**CRIMPFOX-C120 AI 70/M-DIE**	1212335	1
Lower part of die, for ferrules 50 mm², trapezoidal crimp				**CRIMPFOX-C120 AI 95/M-DIE**	1212336	1
For 70 mm²				**CRIMPFOX-C120 AI 50/F-DIE**	1212337	1
For 95 mm²				**CRIMPFOX-C120 AI 70/F-DIE**	1212338	1
Die (pair), for ferrules 120 mm², trapezoid crimp				**CRIMPFOX-C120 AI 95/F-DIE**	1212339	1
				CRIMPFOX-C120 AI 120/DIE	1209910	1
Die pair, for insulated cable lugs, 10 mm², oval crimp						
	CRIMPFOX-C50 RCI 10/DIE	1212346	1	**CRIMPFOX-C120 RCI 10/DIE**	1212327	1
For 16 mm²	**CRIMPFOX-C50 RCI 16/DIE**	1212347	1	**CRIMPFOX-C120 RCI 16/DIE**	1212328	1
For 25 mm²	**CRIMPFOX-C50 RCI 25/DIE**	1212348	1	**CRIMPFOX-C120 RCI 25/DIE**	1212329	1
For 35 mm²				**CRIMPFOX-C120 RCI 35/DIE**	1212330	1
Die upper part, for uninsulated cable lugs, (DIN 46234) 6 - 35 mm², indent crimp						
	CRIMPFOX-C50 RC 35/M-DIE	1212343	1			
for 6 - 70 mm²				**CRIMPFOX-C120 RC 70/M-DIE**	1212331	1
Die lower part, for uninsulated cable lugs, 25 mm², indent crimp	**CRIMPFOX-C50 RC 25/F-DIE**	1212344	1			
For 35 mm²	**CRIMPFOX-C50 RC 35/F-DIE**	1212345	1			
For 10, 16, 25, 35 mm²				**CRIMPFOX-C120 RC 35/F-DIE**	1212332	1
For 6, 50 mm²				**CRIMPFOX-C120 RC 50/F-DIE**	1212333	1
For 10, 70 mm²				**CRIMPFOX-C120 RC 70/F-DIE**	1212334	1
Die (pair), for standard copper tubular cable lugs, 35 mm², WM crimp						
	CRIMPFOX-C50 RCT 35-1/DIE	1212341	1			
For 16, 35 mm²				**CRIMPFOX-C120 RCT 35-1/DIE**	1212320	1
For 50 mm²	**CRIMPFOX-C50 RCT 50-1/DIE**	1212342	1			
For 25, 50 mm²				**CRIMPFOX-C120 RCT 50-1/DIE**	1212321	1
For 10, 70 mm²				**CRIMPFOX-C120 RCT 70-1/DIE**	1212319	1
For 95 mm²				**CRIMPFOX-C120 RCT 95-1/DIE**	1212322	1
For 120 mm²				**CRIMPFOX-C120 RCT 120-1/DIE**	1212323	1
Pre-round die (pair), for sector cable, 25, 35 mm²						
	CRIMPFOX-C50 R25-35/DIE	1212349	1			
For 35, 50 mm²	**CRIMPFOX-C50 R35-50/DIE**	1212350	1			
For 50, 70 mm²	**CRIMPFOX-C50 R50-70/DIE**	1212351	1			
For 25, 50 mm²				**CRIMPFOX-C120 R25-50/DIE**	1212324	1
For 35, 70 mm²				**CRIMPFOX-C120 R35-70/DIE**	1212325	1
For 95 mm²				**CRIMPFOX-C120 R95/DIE**	1212326	1

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CRIMPFOX crimping pliers for uninsulated slip-on sleeves

– Processes uninsulated slip-on blade connectors and slip-on sleeves up to 6 mm²
– Consistently high crimping quality, thanks to the integrated pressure lock
– Marked die stations for precise processing of the relevant cross sections

Notes:

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 480.



Conductor cross section of 0.1 ... 1.5 mm²



Conductor cross section of 0.1 ... 1.5 mm²

EAC

Technical data

Area of application		
Conductor	[mm²] / AWG	0.1 - 1.5 / 26 - 16
Crimping		B crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for 2.8/4.8 mm uninsulated slip-on sleeves, three marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-SC 1,5**	1212048	1
Crimping pliers, compact pliers, for uninsulated slip-on sleeves, 2.8 / 4.8 mm, three marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, for 2.8 / 4.8 / 6.3 mm uninsulated slip-on sleeves, three marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, for 2.8 / 4.8 / 6.3 mm uninsulated slip-on sleeves, three marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool			
Crimping pliers, compact pliers, for angled (right), uninsulated slip-on sleeves, marked die station, unlockable pressure lock, lateral entry			

Accessories

Replacement die	**CRIMPFOX-SC 1,5/DIE**	1212049	1
Replacement recuperating spring	**CRIMPFOX/ SPR-3**	1212036	10

EAC

Technical data

Area of application		
Conductor	[mm²] / AWG	0.1 - 1.5 / 26 - 16
Crimping		B crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-SC 1,5-M	1212725	1

Accessories

CRIMPFOX/ SPR-1	1212069	1

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Conductor cross section
of 0.5 ... 6 mm²



Conductor cross section
of 0.5 ... 6 mm²



For angled slip-on sleeves,
1.0 - 2.5 mm² conductor cross section

EAC

Technical data

0.5 - 6 / 20 - 10
B crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-SC 6	1212050	1

Accessories

CRIMPFOX-SC 6/DIE	1212051	1
CRIMPFOX/ SPR-1	1212069	1

EAC

Technical data

0.5 - 6 / 22 - 10
B crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-SC 6L	1212052	1

Accessories

CRIMPFOX-SC 6/DIE	1212051	1
CRIMPFOX/ SPR-1	1212069	1

EAC

Technical data

1 - 2.5 / 18 - 14
B crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-SCA 2,5-M	1212726	1

Accessories

CRIMPFOX/ SPR-1	1212069	1

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Crimping pliers for COMBICON crimp connectors and CK 1,6-ER... OIC rolled contacts



Symmetrical and optimum crimping results are achieved, thanks to the parallel motion sequences of the dies

– Low manual force combined with high crimping force achieves precise processing results for the corresponding cross sections
– Crimping pliers for COMBICON crimp connectors and CK 1,6-ER... OIC rolled contacts
– The positioning tool ensures that the contact is optimally aligned before the crimping process

new



Conductor cross section of 0.14 ... 2.5 mm²

Technical data

Area of application	
Crimping	B crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers for COMBICON crimp connectors, cross section: 0.14 ... 0.75 mm². Unlockable pressure lock, front entry, incl. 2 positioning tools	**CRIMPFOX-P CC 0.75 L**	1064998	1
Crimping pliers for CK 1,6-ER... OIC rolled contacts, cross section: 0.14 ... 2.5 mm², unlockable pressure lock, front entry, incl. positioning tool	**CRIMPFOX-P CK 1.6 ER 2.5 OIC-L**	1069228	1

Accessories

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CRIMPFOX crimping pliers for turned contacts

– Crimping pliers for processing turned contacts of up to 10 mm²
– The integrated positioning tool ensures that the contacts are perfectly aligned in the die
– Marked die stations for precise processing of the relevant cross sections



Conductor cross section of 0.14 - 4 mm²

Technical data

Area of application		
Conductor	[mm²] / AWG	0.14 - 4 / 26 - 12
Crimping		Square crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for turned pin and socket contacts, CK1,6-ED..., CK2,5-ED..., CK4,0-ED... 0.14 - 4.0 mm²	**CRIMPFOX-TC 4**	1212113	1
Crimping pliers, for turned pin and socket contacts, CK4,0-ED..., 6.0 -10.0 mm²	**CRIMPFOX-TC 10**	1212114	1

Accessories

Replacement die			
- For CRIMPFOX-TC 4	**CRIMPFOX-TC 4/DIE**	1212295	1
- For CRIMPFOX-TC 10	**CRIMPFOX-TC 10/DIE**	1212296	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1

CRIMPFOX four-mandrel crimping pliers for turned contacts, with digital display

– Crimping pliers for processing turned pin and socket contacts of up to 2.5 mm²
– Crimp depth setting in increments from 0.01 mm possible
– Low strain and length adjustment of the contacts, thanks to special crimp geometry
– The integrated positioning tool ensures that the contacts are perfectly aligned in the die
– You can find further details on this product (incl. connector matrix) at phoenixcontact.net/products



Conductor cross sections of 0.08 - 2.5 mm²

Technical data

Area of application		
Conductor	[mm²] / AWG	0.08 - 2.5 / 28 - 14
Crimping		Four-mandrel crimping

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for turned contacts, universal cross section setting, up to a maximum of 2.5 mm², digital display with 0.01 mm increments, unlockable pressure lock, lateral entry, including positioning tool black	**CRIMPFOX-TC MP**	1212510	1
Crimping pliers, for turned contacts, universal cross section setting, from 0.08 mm² up to a maximum of 2.5 mm², digital display with 0.01 mm increments, unlockable pressure lock, lateral entry, including positioning tool black	**CRIMPFOX-TC MP-1**	1212620	1

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CRIMPFOX crimping pliers for coaxial connectors

– CRIMPFOX-CX... are crimping pliers for processing coaxial connectors
– Consistently high crimping quality, thanks to the pressure lock, which can be unlocked without tools
– Marked die stations for precise processing of the relevant cross sections

Notes:

Replacement dies and replacement retaining springs can be found in the product area on our website at phoenixcontact.net/products.



For coaxial connectors



For coaxial connectors

EAC

Technical data

Area of application

Crimping

HEX crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for: Coaxial connectors, 1.69 mm, 3.25 mm, 4.52 mm, three marked die stations, unlockable pressure lock, lateral entry, hex crimp	**CRIMPFOX-CX 4,52**	1212094	1
Crimping pliers, compact pliers, coaxial connectors, 1.69 mm, 3.25 mm, 4.52 mm, three marked die stations, unlockable pressure lock, lateral entry, Hex crimp			
Crimping pliers, compact pliers, coaxial connectors, 1.69 mm, 5.41 mm, 6.48 mm, three marked die stations, unlockable pressure lock, lateral entry, Hex crimp			
Crimping pliers, for: coaxial connectors, 1.69 mm, 5.41 mm, 6.48 mm, three marked die stations, unlockable pressure lock, lateral entry, Hex crimp	**CRIMPFOX-CX 6,48**	1212095	1
Crimping pliers, compact pliers, coaxial connectors, 0.7 mm, 1.07 mm, 1.69 mm, 3.25 mm, 4.52 mm, 5.41 mm, six marked die stations, unlockable pressure lock, lateral entry, Hex crimp			
Crimping pliers, for: coaxial connectors, 1.73 mm, 8.23 mm, 9.14 mm, three marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, for: coaxial connectors, 2.54 mm, 10.54 mm, two marked die stations, unlockable pressure lock, lateral entry black			
Crimping pliers, compact pliers, coaxial connectors, 1.69 mm, 2.54 mm, 5.41 mm, 10.90 mm, four marked die stations, unlockable pressure lock, lateral entry black			
Crimping pliers, compact pliers, coaxial connectors, HDTV, BNC, TNC, 1.04 mm, 4.52 mm, 6.48 mm, 7.06 mm, four marked die stations, unlockable pressure lock, lateral entry black			

EAC

Technical data

HEX crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-CX 4,52-M	1212713	1
CRIMPFOX-CX 6,48-M	1212714	1
CRIMPFOX-CX 5,41-M	1212712	1
CRIMPFOX-CX 9,14	1212096	1
CRIMPFOX-CX 10,54	1212097	1
CRIMPFOX-CX 10,90-1	1212715	1
CRIMPFOX-CX 7,06 HD-M	1212718	1

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CRIMPFOX crimping pliers for coaxial CATV connectors

– CRIMPFOX-CATV... are crimping pliers for processing coaxial CATV connectors
– Consistently high crimping quality, thanks to the pressure lock
– Release as soon as the required crimping pressure is reached. This ensures sufficient pressure is applied
– Ergonomically designed handle for fatigue-proof and non-slip use



For CATV connectors



For CATV connectors

Technical data

Area of application	
Crimping	HEX crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for CATV connectors, RG 6.59, 1.69 mm, 8.23 mm, two marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-CATV 8,23**	1212716	1
Crimping pliers, for CATV connectors, 6.65 mm, 8.23 mm, 9.70 mm, three marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-CATV 8,23-1**	1212717	1

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1

Technical data

Area of application	
Crimping	HEX crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for CATV connectors, RG 6.59, 1.69 mm, 8.23 mm, two marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-CATV 8,23**	1212716	1
Crimping pliers, for CATV connectors, 6.65 mm, 8.23 mm, 9.70 mm, three marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-CATV 8,23-1**	1212717	1

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1

CRIMPFOX crimping pliers for D-SUB, coaxial, and fiber optic connectors

– The integrated positioning tool of the CRIMPFOX D-SUB... ensures that the contacts are perfectly aligned in the die

Notes:

Replacement dies and replacement retaining springs can be found in the product area on our website at phoenixcontact.net/products.



For D-SUB contacts



For FO connectors

Technical data

Area of application	
Crimping	B crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers - For rolled D-SUB contacts, high-density, 0.08 mm² - 0.5 mm², incl. contact locator	**CRIMPFOX-DSUB 5**	1212111	1
- For rolled D-SUB contacts, standard, 0.05 mm² - 0.5 mm², incl. contact locator	**CRIMPFOX-DSUB 5-1**	1212711	1
Crimping pliers, for FO connectors, 3.25 mm, 3.84 mm, 4.52 mm, 5.0 mm, 5.41 mm, five marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-FO 5,41**	1212099	1

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-3**	1212036	10

Technical data

Area of application	
Crimping	HEX crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers - For rolled D-SUB contacts, high-density, 0.08 mm² - 0.5 mm², incl. contact locator	**CRIMPFOX-DSUB 5**	1212111	1
- For rolled D-SUB contacts, standard, 0.05 mm² - 0.5 mm², incl. contact locator	**CRIMPFOX-DSUB 5-1**	1212711	1
Crimping pliers, for FO connectors, 3.25 mm, 3.84 mm, 4.52 mm, 5.0 mm, 5.41 mm, five marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-FO 5,41**	1212099	1

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1

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CRIMPFOX crimping pliers for solar connectors

- Safe crimping of MC3 and MC4 solar connectors from Multi-Contact and SOLARLOK connectors from Tyco
- Ergonomically designed grip
- Optimized mechanical transmission reduces the force required by up to 25 percent



Conductor cross section of 2.5 - 6 mm²



Conductor cross section of 2.5 - 6 mm²

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Crimping pliers, square crimp, for MC3 solar connectors, 2.5 – 6 mm², unlockable pressure lock, lateral entry, with three marked die stations	**CRIMPFOX-SR 6-1**	1212467	1			
Crimping pliers, B-crimp, for MC4 solar connectors, 2.5 – 6 mm², unlockable pressure lock, lateral entry, with three marked die stations	**CRIMPFOX-SR 6-2**	1212468	1			
Crimping pliers, square crimp, for SOLARLOK solar connectors, 2.5 – 6 mm², unlockable pressure lock, lateral entry, with three marked die stations	**CRIMPFOX-SR 6-3**	1212469	1			
Crimping pliers, B-crimp, for SUNCLIX solar crimp connectors 2.5 ... 6 mm², unlockable pressure lock, precise parallel crimping, lateral entry, including positioning tool				**CRIMPFOX-P SR 6**	1212755	1

CRIMPFOX universal pliers for accommodating various crimp inserts



- One of the key features of the CRIMPFOX-M crimping pliers is the way the crimp inserts can be quickly replaced without the need for tools
- The variety of inserts makes it a space-saving universal tool for all crimping applications
- Suitable for one and two-hand operation. Contacts up to 50 mm² are also processed easily, with minimum effort

Notes:

For more crimping dies for ferrules, cable lugs, slip-on sleeves, turned contacts, coaxial, RJ45, and RJ11 connectors, visit phoenixcontact.net/products



Basic pliers

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Basic pliers, for accommodating dies for various contact types, unlockable pressure lock, lateral entry	**CRIMPFOX-M**	1212072	1
Crimping pliers set, consisting of CRIMPFOX-M and dies 1212074, 1212079, 1212080, 1212081	**CRIMPFOX-M SET**	1212093	1

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Dies for the CRIMPFOX-M universal pliers

A wide variety of interchangeable crimp dies enables use in all areas of application, with just one crimping tool, the CRIMPFOX-M.

– Die upper and lower parts are connected securely to each other and can therefore not be swapped
– Delivery is in an alignable storage box

Notes:

For more crimping dies for ferrules, cable lugs, slip-on sleeves, turned contacts, coaxial, RJ45, and RJ11 connectors, visit phoenixcontact.net/products



Dies for CRIMPFOX-M

EAC

Description		Ordering data		
		Type	Order No.	Pcs./Pkt.
Die, for MC3 solar connectors				
Lateral entry, 2.5 - 6 mm²		**CRIMPFOX-M SR 6-1/DIE**	1212471	1
for MC4 solar connectors, lateral entry, 2.5 - 6 mm²		**CRIMPFOX-M SR 6-2/DIE**	1212472	1
for SOLARLOK solar connectors, lateral entry, 2.5 - 6 mm²		**CRIMPFOX-M SR 6-3/DIE**	1212473	1
Die, for ferrules				
for 0.25 - 10 mm²		**CRIMPFOX-M 10/DIE**	1212080	1
for 16 - 25 mm²		**CRIMPFOX-M 25/DIE**	1212081	1
for 35 - 50 mm²		**CRIMPFOX-M 50/DIE**	1212082	1
Die, for insulated cable lugs				
for 0.5 - 1.5 mm² and 1.5 - 2.5 mm²		**CRIMPFOX-M RCI 2,5/DIE**	1212074	1
for insulated cable lugs, 0.1 - 0.4 mm² and 4 - 6 mm²		**CRIMPFOX-M RCI 6/DIE**	1212073	1
Die, for uninsulated cable lugs				
for 0.75 - 2.5 mm²		**CRIMPFOX-M RC 2,5/DIE**	1212078	1
for 0.5 - 6 mm²		**CRIMPFOX-M RC 6/DIE**	1212079	1
for 4 - 6 and 10 mm²		**CRIMPFOX-M RC 10-1/DIE**	1212744	1
for 4 - 10 mm²		**CRIMPFOX-M RC 10/DIE**	1212077	1
Die, for uninsulated slip-on sleeves				
for 0.1 - 1 mm²		**CRIMPFOX-M SC 1/DIE**	1212083	1
for 0.5 - 2.5 mm²		**CRIMPFOX-M SC 2,5/DIE**	1212084	1
for 0.5 - 6 mm²		**CRIMPFOX-M SC 6/DIE**	1212085	1
with wide, flat crimp for 0.5 - 6 mm²		**CRIMPFOX-M SC 6-FL/DIE**	1212741	1
for angled slip-on sleeves, for 6.3 mm, 1.0 - 2.5 mm²		**CRIMPFOX-M SCA 2,5/DIE**	1212742	1
for angled slip-on sleeves, for 8 mm, 1.0 - 2.5 mm²		**CRIMPFOX-M SCA 2,5-1/DIE**	1212743	1
Die, for turned pin and socket contacts				
CK2,5-ED..., CK4,0-ED..., cross section 0.5 - 4 mm²		**CRIMPFOX-M TC 4/DIE**	1212075	1
CK4,0-ED..., cross section 6 - 10 mm²		**CRIMPFOX-M TC 10/DIE**	1212076	1
Die, for RG 174, RG 179, BNC, TNC coaxial connectors				
for RG 174, RG 179, BNC, TN	black	**CRIMPFOX-M CX-1/DIE**	1212087	1
for RG 58, RG 59, RG 62, RG 71, BNC, TNC	black	**CRIMPFOX-M CX-2/DIE**	1212088	1
for CATV RG 6,59	black	**CRIMPFOX-M CX-3/DIE**	1212089	1
for BNC, TNC, RG6, 1.73, 6.48, 8.23 mm		**CRIMPFOX-M CX-4/DIE**	1212745	1
for BNC, TNC, 0.70, 3.25, 3.85 mm		**CRIMPFOX-M CX-5/DIE**	1212746	1
for BNC, TNC, 1.07, 6.48, 8.23 mm		**CRIMPFOX-M CX-6/DIE**	1212747	1
for BNC, TNC, 1.72, 5.41 mm		**CRIMPFOX-M CX-7/DIE**	1212748	1
for CATV RG 6.59 1.72, 8.23 mm		**CRIMPFOX-M CX-8/DIE**	1212749	1
Die,				
for unshielded RJ45 connectors	black	**CRIMPFOX-M RJ45/DIE**	1212090	1
for unshielded RJ11 connectors	black	**CRIMPFOX-M RJ11/DIE**	1212091	1
Die, for shrink connectors, 0.5 -1.5 mm² red and 1.5 - 2.5 mm² blue	black	**CRIMPFOX-M HS/DIE**	1219092	1
Die, for shrink connectors, 0.1 - 0.4 mm² green and 4 - 6 mm² yellow		**CRIMPFOX-M HS-1/DIE**	1212282	1

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CRIMPFOX universal pliers for accommodating various dies for data connectors

– One of the key features of the CRIMPFOX-C D crimping pliers is the way the crimp inserts can be quickly replaced without the need for tools
– A space-saving, universal tool for processing data connectors



Basic pliers



Dies for CRIMPFOX-C D

EAC

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Basic pliers, for accommodating dies for various contact types, unlockable pressure lock, lateral entry	CRIMPFOX-C D	1212734	1

EAC

Ordering data		
Type	Order No.	Pcs./Pkt.
Die, for unshielded RJ11 connectors	CRIMPFOX-C RJ11/DIE	1212735	1
Die, for unshielded RJ22 connectors	CRIMPFOX-C RJ22/DIE	1212736	1
Die, for unshielded RJ45 connectors	CRIMPFOX-C RJ45/DIE	1212737	1
Die, for unshielded RJ45 connectors, universal	CRIMPFOX-C RJ45U/DIE	1212738	1
Die, 10-pos.	CRIMPFOX-C 10P/DIE	1212739	1
Die, for DEC MML connectors	CRIMPFOX-C MMJ/DIE	1212740	1

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Portable crimping machine for ferrules, cable lugs, and connectors



A key feature of the CF 500 is its easy handling and high degree of flexibility.

A huge range of different contact types can be processed with this crimping device. Positioning aids make it easier to crimp the contacts.

– For further information, accessories, and technical data, refer to the AUTOMATIC DEVICES section

Notes:
Further dies and accessories, as well as technical data, can be found at phoenixcontact.net/products
An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.



Connectors up to 50 mm²

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping device, 230 V/50 Hz version, with quantity counter and foot switch	CF 500-230V	1208348	1
Crimping device, 120 V/60 Hz version, with quantity counter and foot switch	CF 500-120V	1208351	1

Portable automatic stripping and crimping device for taped products



– The compact stripping and crimping device can be used to process taped ferrules with insulating collars in accordance with DIN 46228-4 / UL 486F
– Up to 1000 conductors are processed per hour
– The conductor is stripped in a single operation and is crimped with a ferrule to a high standard of quality

– For further information, accessories, and technical data, refer to the AUTOMATIC DEVICES section

Notes:
[1]) Depends on the characteristics of the conductor material and insulation material.
An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.





Conductor cross sections from 0.25 to 2.5 mm²

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping and crimping device, 230 V version, for taped insulated ferrules 0.25 - 2.5 mm², sleeve length 8 mm, incl. conversion kits 0.5 - 2.5 mm²[1])	CF 3000-2,5	1205477	1
Stripping and crimping device, 120 V version, for taped insulated ferrules 0.25 - 2.5 mm², sleeve length 8 mm, incl. conversion kits 0.5 - 2.5 mm²[1])	CF 3000-2,5 120V	1205516	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Stripping and crimping device for loose ferrules



The stripping and crimping device can be used to process loose ferrules from 0.25 to 4 mm² with insulating collars in accordance with DIN 46228-4 / UL 486F.
The optimized sensor technology has improved the processing of small cross sections.

– The conductor is stripped and crimped with a ferrule to a high standard of quality in a single step, which enables up to 1000 conductors to be processed per hour
– For further information, accessories, and technical data, refer to the AUTOMATIC DEVICES section

Notes:

Accessories and replacement parts for older device versions can be found at phoenixcontact.net/products.

[1]) Depends on the characteristics of the conductor material and insulation material.





Conductor cross sections from 0.25 to 4 mm²

EAC

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping and crimping device, 100 - 240 V version, electro-pneumatic, for loose ferrules with insulating collar, 0.25 - 4 mm², incl. conversion kits 0.5 – 1.5 mm² (sleeve length 6 - 12 mm)[1])	**CF 1000-1,5**	1208199	1

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CRIMPHANDY, portable crimping device



The CRIMPHANDY represents innovation for switchgear manufacturing. You can strip and crimp your conductors in under two seconds, using this portable hand-held device. That's 75% less time than before.

– The CRIMPHANDY impresses with its easy, effortless handling, which helps protect your joints and tendons
– The compact light weight is ideal for mobile use in the field. Up to 2000 crimping operations can be performed, thanks to the high-performance lithium-ion polymer battery
– Automatic cross section monitoring prevents faulty crimping as a result of incorrect conductor sizes
– The cutting unit provides a convenient option of cutting the conductors to length right at the device
– The AI...S ferrules in accordance with UL 486F are UL-certified when used in combination with the CF CRIMPHANDY



Notes:

[1]) These color and/or length variants of ferrules are currently not included in DIN 46228-4 and UL 486F, and are therefore not UL-certified. As of 11/2018.
Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.





Conductor cross section 0.5 mm²

EAC

Technical data

Dimensions		Width	Length	Height
	[mm]	**43**	**205**	**70**
General data				
Weight	[kg]	0.43		
Conductor	[mm²] / AWG	- 0.5 / -		
Working cycle	[s]	< 2		
Insertion length	[mm]	> 32 mm		
Crimping		Square crimp		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Mobile crimping device, battery-powered, for processing taped ferrules with function end, incl. battery, charger (100 - 240 V), CUTFOX 12 cable cutter, service tool for troubleshooting and one strip of ferrules, packaged in a robust case suitable for standard PVC conductors (H05VK, H07VK class 5)	**CF CRIMPHANDY 0,5**	**1212463**	1

Accessories

Taped ferrules, with function end, 8 mm, with plastic sleeve, in accordance with DIN 46228-4 and UL 486F, UL and CSA-certified, 50 pieces per strip, 20 strips per unit pack			
in accordance with DIN 46228-4, UL 486F, and NFC 63-023 Special color[1])	**AI 0,5-8 WH-S** **AI 0,5-8 OG-S**	**1212521** **1212784**	1000 1000
in accordance with DIN 46228-4 and UL 486F Special color[1])			
in accordance with NFC 63-023[1])			
in accordance with DIN 46228-4, UL 486F, and NFC 63-023 Special color[1])			
in accordance with DIN 46228-4, UL 486F, and NFC 63-023 Special color[1])			
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.68 Ah	**CF CRIMPHANDY/ACCU**	**1212518**	1
Replacement waste guide plate 1, for CF CRIMPHANDY...	**CF CRIMPHANDY/GP1**	**1212514**	1
Replacement waste guide plate 2, for CF CRIMPHANDY 0,5 for CF CRIMPHANDY 0,75 for CF CRIMPHANDY 1,0 for CF CRIMPHANDY 1,5	**CF CRIMPHANDY 0,5/GP2**	**1212515**	1
Replacement service tool, for rectifying malfunctions for CF CRIMPHANDY 0,5 for CF CRIMPHANDY 0,75 for CF CRIMPHANDY 1,0 for CF CRIMPHANDY 1,5	**CF CRIMPHANDY 0,5/SERVICE-TOOL**	**1212787**	1
Cutting unit, for CF CRIMPHANDY, for copper wires from 0.5 - 1.5 mm², incl. receptacle tray	**CF CRIMPHANDY CUTTER**	**1212520**	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	**1212519**	1

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Conductor cross section 0.75 mm²



Conductor cross section 1.0 mm²



Conductor cross section 1.5 mm²

EAC

Technical data

Width	Length	Height
43	**205**	**70**

0.43
- 0.75 / -
< 2
> 32 mm
Square crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CF CRIMPHANDY 0,75	1212464	1

Accessories

AI 0,75- 8 GY-S	1212522	1000
AI 0,75- 8 WH-S	1212783	1000
AI 0,75- 8 BU-S	1212785	1000
CF CRIMPHANDY/ACCU	1212518	1
CF CRIMPHANDY/GP1	1212514	1
CF CRIMPHANDY 0,75/GP2	1212516	1
CF CRIMPHANDY 0,75/SERVICE-TOOL	1212786	1
CF CRIMPHANDY CUTTER	1212520	1
CF CRIMPHANDY/CHARGER	1212519	1

EAC

Technical data

Width	Length	Height
43	**205**	**70**

0.43
- 1 / -
< 2
> 32 mm
Square crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CF CRIMPHANDY 1,0	1212465	1

Accessories

AI 1,0-8 RD-S	1212523	1000
AI 1,0-8 YE-S	1212782	1000
CF CRIMPHANDY/ACCU	1212518	1
CF CRIMPHANDY/GP1	1212514	1
CF CRIMPHANDY 1,0/GP2	1212517	1
CF CRIMPHANDY 1,0/SERVICE-TOOL	1212759	1
CF CRIMPHANDY CUTTER	1212520	1
CF CRIMPHANDY/CHARGER	1212519	1

EAC

Technical data

Width	Length	Height
43	**205**	**70**

0.43
- 1.5 / -
< 2
> 32 mm
Square crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CF CRIMPHANDY 1,5	1212466	1

Accessories

AI 1,5-8 BK-S	1212524	1000
AI 1,5-8 RD-S	1212781	1000
CF CRIMPHANDY/ACCU	1212518	1
CF CRIMPHANDY/GP1	1212514	1
CF CRIMPHANDY 1,5/GP2	1212844	1
CF CRIMPHANDY 1,5/SERVICE-TOOL	1212708	1
CF CRIMPHANDY CUTTER	1212520	1
CF CRIMPHANDY/CHARGER	1212519	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

SCREWFOX screwdrivers for slotted-head screws





VDE flat-bladed screwdriver

- Large contact surface of blades inside screw head
- Individually tested safety screwdrivers in accordance with DIN EN 60900 (VDE 0682-201)
- For working on or in the vicinity of live parts up to 1000 V AC or 1500 V DC
- The tools feature ergonomic two-component safety handles



Description	Type	Order No.	Pcs./Pkt.
		Ordering data	
Screwdriver, for slotted-head screws, with VDE approval			
Blade: 0.4 x 2.5 x 80 mm, length: 161 mm	**SZS 0,4X2,5 VDE**	1205037	10
Blade: 0.5 x 3.0 x 100 mm, length: 181 mm	**SZS 0,5X3,0 VDE**	1207404	10
Blade: 0.6 x 2.5 x 80 mm, length: 161 mm	**SZS 0,6X2,5 VDE**	1205040	10
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	**SZS 0,6X3,5 VDE**	1212602	10
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm	**SZS 0,8X4,0 VDE**	1212508	10
Blade: 1.0 x 4.0 x 100 mm, length: 198 mm	**SZS 1,0X4,0 VDE**	1205066	10
Blade: 1.0 x 5.5 x 125 mm, length: 223 mm	**SZS 1,0X5,5 VDE**	1209114	10
Blade: 1.0 x 6.5 x 150 mm, length: 248 mm	**SZS 1,0X6,5 VDE**	1205079	10
Blade: 1.2 x 8.0 x 175 mm, length: 287 mm	**SZS 1,2X8,0 VDE**	1205082	10
Screwdriver, two-component handle, with non-slip grip, for slotted-head screws Blade: 0.4 x 2.0 x 60 mm, length: 130 mm			
Blade: 0.4 x 2.5 x 75 mm, length: 145 mm			
Blade: 0.4 x 3.0 x 80 mm, length: 161 mm			
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm			
Blade: 0.6 x 3.5 x 200 mm, length: 281 mm			
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm			
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm			
Blade: 1.2 x 6.5 x 150 mm, length: 255 mm			
Screwdriver, two-component handle, with non-slip grip, with impact cap, with hexagon wrench aid for open-end wrench and ring wrench, for slotted-head screws			
Blade: 1.2 x 7 x 125 mm, length: 230 mm			
Blade: 1.6 x 10 x 175 mm, length: 287 mm			

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Flat-bladed screwdriver, uninsulated

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SF-SL 0,4X2,0-60	1212546	10
SF-SL 0,4X2,5-75	1212547	10
SF-SL 0,5X3,0-80	1212548	10
SF-SL 0,6X3,5-100	1212549	10
SF-SL 0,6X3,5-200	1212550	10
SF-SL 0,8X4,0-100	1212551	10
SF-SL 1,0X5,5-150	1212552	10
SF-SL 1,2X6,5-150	1212553	10
SF-SLIC 1,2X7,0-125	1212554	10
SF-SLIC 1,6X10-175	1212555	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

SCREWFOX screwdrivers for Phillips and slotted-head screws



- Screwdriver for Phillips screws, with Pozidriv® and Phillips Recess® screw head
- VDE approval
- The SZG ... screwdrivers have been specially designed for driving in test socket screws safely and without slipping
- The hexagon head of the handle prevents it rolling away
- The micro-textured blade prevents slipping out of the screw

Notes:

Pozidriv®/Supadriv®,
trademarks of European Ind. Serv. Ltd.
Phillips Recess®,
trademark of Phillips Screw Company



VDE crosshead screwdrivers with Pozidriv® and Phillips Recess® drive

Description	Type	Order No.	Pcs./Pkt.
		Ordering data	
Screwdrivers, for Pozidriv®/Supadriv® Phillips screws, VDE approval			
Size: PZ0 x 80 mm, length: 161 mm	**SZK PZ0 VDE**	1206447	10
Size: PZ1 x 80 mm, length: 178 mm	**SZK PZ1 VDE**	1206450	10
Size: PZ2 x 100 mm, length: 205 mm	**SZK PZ2 VDE**	1206463	10
Size: PZ3 x 150 mm, length: 262 mm	**SZK PZ3 VDE**	1212599	10
Screwdrivers, for Phillips Recess® screws, VDE approval			
Size: PH0 x 80 mm, length: 161 mm	**SZK PH0 VDE**	1205147	10
Size: PH1 x 80 mm, length: 178 mm	**SZK PH1 VDE**	1205150	10
Size: PH2 x 100 mm, length: 205 mm	**SZK PH2 VDE**	1205163	10
Size: PH3 x 150 mm, length: 262 mm	**SZK PH3 VDE**	1212536	10
Screwdrivers, for Pozidriv® Phillips screws			
Size: PZ0 x 60 mm, length: 141 mm			
Size: PZ1 x 80 mm, length: 178 mm			
Size: PZ2 x 100 mm, length: 205 mm			
Size: PZ3 x 150 mm, length: 262 mm			
Screwdrivers, for Phillips Recess® screws			
Size: PH0 x 60 mm, length: 141 mm			
Size: PH1 x 80 mm, length: 178 mm			
Size: PH2 x 100 mm, length: 205 mm			
Size: PH3 x 150 mm, length: 262 mm			
Screwdriver, for Pozidriv®/Supadriv® Phillips screws, VDE approval			
Size: PZ1 x 80 mm, length: 178 mm			
Size: PZ2 x 100 mm, length: 205 mm			
Size: PH1 x 80 mm, length: 178 mm			
Size: PH2 x 100 mm, length: 205 mm			
Screwdriver, for test socket screws, with VDE approval			
For 2.3 mm Ø screw, blade: 0.6 x 3.5 x 100 mm, length: 198 mm			
For 4 mm Ø screw, blade: 0.9 x 6.5 x 175 mm, length: 287 mm			



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



Crosshead screwdrivers with Pozidriv® and Phillips Recess® drive, uninsulated

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SF-PZ 0-60	1212562	10
SF-PZ 1-80	1212563	10
SF-PZ 2-100	1212564	10
SF-PZ 3-150	1212565	10
SF-PH 0-60	1212558	10
SF-PH 1-80	1212559	10
SF-PH 2-100	1212560	10
SF-PH 3-150	1212561	10



VDE screwdriver with plus-minus drive

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SF-PZSL 1-80 VDE	1212556	10
SF-PZSL 2-100 VDE	1212557	10
SF-PHSL 1-80 VDE	1212283	10
SF-PHSL 2-100 VDE	1212288	10



VDE screwdriver with staggered blade for test socket screws

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SZG 0,6X3,5 VDE	1205121	10
SZG 0,9X6,5 VDE	1205134	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

SCREWFOX screwdrivers for Phillips and slotted-head screws with integrated protective insulation



– In addition to catering for standard applications, SF-SL ... screwdrivers are particularly suited to the assembly of modular terminal blocks
– VDE-tested, for maximum safety
– Because the insulation runs into the shaft, there is no protruding edge



VDE flat-bladed screwdrivers with integrated insulation

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Screwdriver/actuation tool, for slotted-head screws/spring-cage terminal blocks, protective insulation integrated into the shaft, two-component handle, with non-slip grip, VDE-insulated			
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	**SF-SL 0,6X3,5-100 S-VDE**	1212587	10
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm	**SF-SL 0,8X4,0-100 S-VDE**	1212588	10
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm	**SF-SL 1,0X5,5-125 S-VDE**	1212589	10
Screwdriver, protective insulation integrated into shaft, insulated according to VDE Size: PZ1 x 80 mm Size: PZ2 x 100 mm			
Screwdriver, protective insulation integrated into shaft, insulated according to VDE Size: PH1 x 80 mm Size: PH2 x 100 mm			
Screwdriver, protective insulation integrated into shaft, insulated according to VDE Size: Pozidriv® - bladed (plus-minus) PZ1 x 80 mm Size: Pozidriv® - bladed (plus-minus) PZ2 x 100 mm			
Screwdriver, protective insulation integrated into shaft, insulated according to VDE Size: Phillips Recess® - bladed (plus-minus) PH1 x 80 mm Size: Phillips Recess® - bladed (plus-minus) PH2 x 100 mm			
Screwdriver set, protective insulation integrated in the shaft, slotted, Phillips crosshead, combined profile, Pozidriv® + slotted (plus/minus), VDE-insulated, 7-piece, including wall bracket, set contains the following items: 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH1 x 80; PH2 x 100; PZSL1 x 80; PZSL2 x 100			



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



VDE screwdrivers with Pozidriv® or Phillips Recess® drive, with integrated insulation



VDE screwdrivers with plus-minus drive, with integrated insulation



VDE screwdriver with various drives and integrated insulation

EAC

Ordering data		
Type	Order No.	Pcs./Pkt.
SF-PZ 1-80 S-VDE	1212695	10
SF-PZ 2-100 S-VDE	1212696	10
SF-PH 1-80 S-VDE	1212693	10
SF-PH 2-100 S-VDE	1212694	10

EAC

Ordering data		
Type	Order No.	Pcs./Pkt.
SF-PZSL 1-80 S-VDE	1212699	10
SF-PZSL 2-100 S-VDE	1212700	10
SF-PHSL 1-80 S-VDE	1212697	10
SF-PHSL 2-100 S-VDE	1212698	10

EAC

Ordering data		
Type	Order No.	Pcs./Pkt.
SF-SL/PH/PZ-SL SET S-VDE	1212701	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

SCREWFOX screwdriver and actuation tool for PT, ST, and QTC terminal blocks



- In addition to their standard application, these screwdrivers are particularly suited to actuating terminal blocks from the PT ..., ST ..., and QTC ... series
- The defined blade angle opens the spring terminal block as far as possible without leaving any damage
- The ST-BW ... curved versions are ideal for use in narrow areas



Bladed screwdriver and actuation tool for PT, ST, and QTC terminal blocks, uninsulated

EAC

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Screwdriver/actuation tool, uninsulated, for slotted-head screws, PT, ST, and QTC terminal blocks			
Blade: 0.4 x 2.5 x 75 mm, length: 156 mm	**SZF 0-0,4X2,5**	1204504	10
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	**SZF 1-0,6X3,5**	1204517	10
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm	**SZF 2-0,8X4,0**	1204520	10
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm	**SZF 3-1,0X5,5**	1206612	10
Screwdriver/actuation tool, insulated, for slotted-head screws and all PT, ST, and QTC terminal blocks, 2.5 mm^2 and 4 mm^2 Blade: 0,6 x 3.5 x 100 mm, length: 181 mm			
Actuation tool, insulated, for all PT, ST, and QTC terminal blocks, 2.5 mm^2 and 4 mm^2 Blade: 0.6 x 3.5 mm			
Actuation tool, insulated, for all PT and ST terminal blocks, 1.5 mm^2 Blade: 0.4 x 2.5 mm			



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



Bladed screwdriver and actuation tool for PT, ST, and QTC terminal blocks, insulated

EAC

Ordering data		
Type	**Order No.**	Pcs./Pkt.
SZS 0,6X3,5	1205053	10



Actuation tool for PT and ST terminal blocks, insulated

EAC

Ordering data		
Type	**Order No.**	Pcs./Pkt.
ST-BW	1207608	10



Actuation tool for PT and ST terminal blocks, insulated

Ordering data		
Type	**Order No.**	Pcs./Pkt.
ST-BW 0	1200135	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

SCREWFOX screwdriver for Torx® screws

– VDE-tested, for maximum safety
– Optimum edge geometries increase the bearing surface and prevent the screw from being over-tightened



VDE screwdriver for Torx® screws



Screwdriver for Torx® screws and Torx® safety screws, uninsulated

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Screwdriver, for Torx® screws						
Size: TX 8 x 80 mm	SF-TX 8X80 VDE	1200155	1	SF-TXH 8X60	1200148	1
Size: TX 10 x 80 mm	SF-TX 10X80 VDE	1200156	1	SF-TXH 10X80	1200149	1
Size: TX 15 x 80 mm	SF-TX 15X80 VDE	1200157	1	SF-TXH 15X80	1200150	1
Size: TX 20 x 80 mm	SF-TX 20X80 VDE	1200158	1			
Size: TX 20 x 100 mm				SF-TXH 20X100	1200151	1
Size: TX 25 x 100 mm	SF-TX 25X100 VDE	1200159	1	SF-TXH 25X100	1200152	1
Size: TX 30 x 100 mm	SF-TX 30X100 VDE	1200160	1			
Size: TX 30 x 115 mm				SF-TXH 30X115	1200153	1

SCREWFOX single-position voltage tester

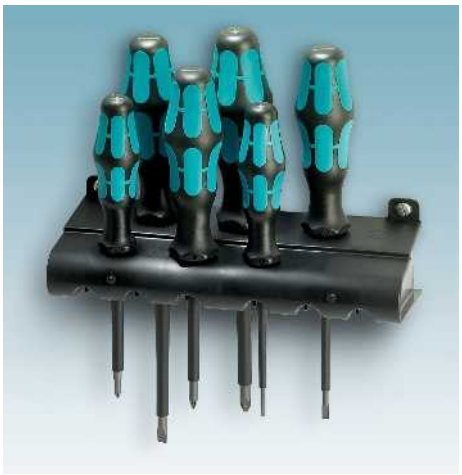


Single-position voltage tester

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Voltage tester, single-position, for 150 - 250 V, conforms to DIN 57680/6 and VDE 0680/6, can also be used as an actuation tool for spring-cage terminal blocks, VDE insulated, with non-slip grip, size: 0.5 x 3.0 x 70 mm	SF-VT VDE	1212598	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

TOOL fox, screwdriver set



- The SF-...SET ... screwdriver sets are available in different versions
- Including wall bracket holder for screwdrivers

Notes:

Pozidriv®/Supadriv®,
trademarks of European Ind. Serv. Ltd.
Phillips Recess®,
trademark of Phillips Screw Company
Torx®,
trademark of Acument Intellectual Properties, LLC, Troy, Mich.,US



Screwdriver sets

EAC

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Screwdriver set, slotted/Phillips Recess® 6-part, including wall bracket, contents: 0.5 x 3.0 x 80; 0.8 x 4.0 x 100; 1.0 x 5.5 x 150; 1.2 x 6.5 x 150, PH 1, PH 2	**SF-SL/PH SET**	1212541	1
Screwdriver set, slotted/Pozidriv® cross-recessed, 6-part, including wall bracket, contents: 0.5 x 3.0 x 80; 0.8 x 40 x 100; 1.0 x 5.5 x 150; 1.2 x 6.5 x 150, PZ 1, PZ 2	**SF-SL/PZ SET**	1212542	1
Screwdriver set, slotted/Pozidriv® cross-recessed, VDE-insulated, 6-part, including wall bracket, contents: 0.4 x 2.5 x 80; 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PZ 1, PZ 2	**SF-SL/PZ SET VDE**	1212540	1
Screwdriver set, slotted/Phillips Recess®, VDE-insulated, 6-part, including wall bracket, contents: 0.4 x 2.5 x 80; 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH 1, PH 2	**SF-SL/PH SET VDE**	1212539	1
Screwdriver set, protective insulation integrated in the shaft, slotted, Phillips crosshead, combined profile, Pozidriv® + slotted (plus/minus), VDE-insulated, 7-piece, including wall bracket, set contains the following items: 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH1 x 80; PH2 x 100; PZSL1 x 80; PZSL2 x 100	**SF-SL/PH/PZ-SL SET S-VDE**	1212701	1
Screwdriver set, Torx® with bore hole, 6-part, including wall bracket, contents: TX 8 x 60; TX 10 x 80; TX 15 x 80; TX 20 x 100; TX 25 x 100; TX 30 x 115	**SF-TXH SET**	1212538	1
Screwdriver set, Torx®, VDE-insulated, 6-part, including wall bracket, contents: TX 8 x 80; TX 10 x 80; TX 15 x 80; TX 20 x 80; TX 25 x 100; TX 30 x 100	**SF-TX SET VDE**	1212537	1



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenseng.com - www.stevenengineering.com

TOOL fox, bit set





Bit set, 10-piece

- Bit set, in compact plastic box, with quick-change bit holder and the following 25 mm long bits: 0.8 x 5.5, 1.0 x 5.5, 1.2 x 6.5, PH1, PH2, PH3, PZ1, PZ2, PZ3
- Clearly arranged storage
- Bits can be accessed quickly, thanks to convenient, one-handed opening mechanism
- Equipped with hardened bits for durability

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Bit set, with SF–UBH universal bit holder, 25 mm long slotted/cross-recessed (PZ and PH) bits, 10-part	**SF-BIT SET**	1212545	1

TOOL fox, screwdriver set





Bit screwdriver set, 17-piece

- Bit screwdriver set, packed in a practical belt pouch
- Equipped with the most common types of screw bit

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Bit screwdriver set with quick-action chuck, 89 mm long slotted/crosshead (PZ and PH)/ Hex / Torx® bits, 17-part, in folding belt pouch, contents: PH 1,2,3 x 89; PZ 1,2,3 x 89; SL 1,5 x 5,5 x 89; TX 10-30 x 89; SW 3,4,5,6 x 89	**SF-M SET**	1212543	1
Bit screwdriver set with quick-action chuck, 89 mm long slotted/crosshead/hex/Torx® bits, 17-piece, in folding belt pouch, contents: PH 1, 2, 3 x 89, SL 0.4 x 2.5, 0.6 x 3.5, 0.8 x 3.5, 1,0 x 5.5, 1.2 x 6.5 x 89, TX 10-30, SW 3, 4, 5 x 89	**SF-M SET 2**	1212756	1

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SCREWFOX torque screwdriver



- Torque screwdriver with hexagonal fast connection holder
- High-precision, infinitely adjustable torque screwdriver, in accordance with EN ISO 6789
- Optimum readability of the adjusted torques on the scale on the shaft
- Unlimited release torque
- TSD-M ... torque screwdrivers are adjustable from 0.3 - 6.0 Nm



Torque screwdriver, 0.3 - 6.0 Nm, adjustable

EAC

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Torque screwdriver			
adjustable from 0.3 ... 1.2 Nm	**TSD-M 1,2NM**	1212224	1
adjustable from 1.2 ... 3 Nm	**TSD-M 3NM**	1212225	1
adjustable from 3 ... 6 Nm	**TSD-M 6NM**	1212226	1

Accessories

Socket wrench insert, magnetic, hexagonal, 1/4" drive, suitable for holders in accordance with DIN 3126-F 6,3 / ISO 1173			
Wrench size of 5.5 mm	**BHN 5,5**	1209965	1
Wrench size of 8 mm	**BHN 8**	1209978	1
Wrench size of 10 mm	**BHN 10**	1209981	1
Wrench size of 13 mm	**BHN 13**	1209994	1
Adapter for ¼"	**BF 6,3**	1209936	1
Adapter insert, for torque screwdrivers with adjustable torque, accommodates SAC nuts for 4 mm hexagonal screwdrivers	**TSD-M SAC-BIT ADAPTER**	1212600	1
Universal bit holder, E6,3-1/4" drive, with automatic locking, one-hand operation, magnetic, for bits in accordance with DIN 3126 C 6,3 and E 6,3	**SF-UBH**	1212590	1



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SCREWFOX cordless screwdriver



- Cordless screwdriver with two-speed gearbox, forward/reverse running and 21-stage clutch with drilling stage of up to 600 rpm
- 0.3 ... 4.4 Nm adjustable
- 6.3 mm hexagonal quick connection drill chuck
- Integrated LEDs are used to illuminate the working area
- With optional snap-on protective cap to prevent unintentional torque adjustment
- High torque accuracy through electronic disconnecting coupling
- Ergonomic, non-slip handle design



Cordless screwdriver with torque adjustment, 21-stage

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Cordless screwdriver, 3.6 V, incl. rechargeable battery, 1.5 Ah	**SF-ASD 21**	1212532	1
Cordless screwdriver set, incl. two batteries and charger, 230 V, packaged in a robust aluminum case	**SF-ASD 21 SET 230V**	1212530	1

Accessories

Replacement charger, for SF-ASD 21 cordless screwdriver, 230 V	**SF-ASD 21/CHARGER 230V**	1212535	1
Replacement battery, for SF-ASD 21, Li-ion 3.6 V, 1.5 Ah	**SF-ASD 21/ACCU 1,5 AH**	1212533	1

SF-ASD 16 cordless screwdriver

new



- Two-speed cordless screwdriver, right/left rotation, and 16-stage clutch with drilling speed of up to 450 rpm
- 0.2 ... 4.3 Nm adjustable
- 6.3 mm hexagonal quick connection drill chuck
- Comfortable one-handed operation in a straight or angled position



Cordless screwdriver with adjustable torque, 16-stage

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Cordless screwdriver, 3.6 V, incl. rechargeable battery, 1.5 Ah	**SF-ASD 16**	1200294	1
Cordless screwdriver set in case, incl. battery, 100 V ... 240 V charger, 2 bits, two-speed, right/left rotation and 16-stage clutch up to 450 rpm, hexagonal fast connection	**SF-ASD 16 SET**	1200295	1

Accessories

Replacement battery, 1.5 Ah, lithium-ion, 3.6 V, for SF-ASD 16 cordless screwdriver	**SF-ASD 16/ACCU 1,5 AH**	1200297	1
Replacement charger, for SF-ASD 16 cordless screwdriver, 100 V ... 240 V	**SF-ASD 16/CHARGER**	1200296	1

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SCREWFOX bit hand holder



The bit hand holder SF-M BH is equipped with ergonomic 2-component handles. This enables fatigue-free working, while transmitting maximum power and thereby enabling a secure hold.

– The hexagon head of the handle prevents it rolling away
– Single-handed bit change, thanks to special locking mechanism
– With magnet
– The freewheeling housing of the bit holder enables the tool to go right to the tip during the screw procedure



Bit screwdriver

Description	Type	Order No.	Pcs./Pkt.
Bit screwdriver, with 1/4" quick-action chuck, suitable for bits in accordance with DIN 3126-C 6.3 and E 6.3/ISO 1173, magnetic			
Bit screwdriver black	**SF-M BH**	1212070	5

Ordering data

SCREWFOX universal bit holder

The SF-UBH universal bit holder enables secure, free-of-play insertion of 1/4" bits (C6,3/E6,3) as well as quick bit change.

– Single-handed bit change, thanks to special locking mechanism
– With magnet
– The freewheeling housing of the bit holder enables the tool to go right to the tip during the screw procedure



Universal bit holder

Description	Type	Order No.	Pcs./Pkt.
Universal bit holder, E6,3-1/4" drive, with automatic locking, one-hand operation, magnetic, for bits in accordance with DIN 3126 C 6,3 and E 6,3			
silver	**SF-UBH**	1212590	1

Ordering data

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SCREWFOX tool inserts for cordless screwdriver and bit handle

– Tools in different versions for SF-ASD 21 cordless screwdriver and bit holder
– Optimum edge geometries increase the bearing surface and prevent the screws from being over-tightened

Notes:

Pozidriv®/Supadriv®,
trademarks of European Ind. Serv. Ltd.
Phillips Recess®,
trademark of Phillips Screw Company
Torx®,
trademark of Acument Intellectual Properties, LLC, Troy, Mich.,US



Screw bit, slotted



Screw bit, PH and PZ cross-recessed

Description		Ordering data			Ordering data		
		Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Screw bit, slotted, E6,3-1/4" drive, hardened, suitable for holder in accordance with DIN 3126-F 6,3/ISO 1173							
Size: 0.45 x 2.4 x 70 mm		**SF-BIT-SL 0,45X2,4-70**	1212607	5			
Size: 0.5 x 3.0 x 50 mm	silver	**SF-BIT-SL 0,5X3,0-50**	1212566	5			
Size: 0.5 x 3.0 x 70 mm	silver	**SF-BIT-SL 0,5X3,0-70**	1212567	5			
Size: 0.6 x 3.5 x 50 mm	silver	**SF-BIT-SL 0,6X3,5-50**	1212568	5			
Size: 0.6 x 3.5 x 70 mm	silver	**SF-BIT-SL 0,6X3,5-70**	1212569	5			
Size: 0.8 x 4.0 x 50 mm	silver	**SF-BIT-SL 0,8X4,0-50**	1212571	5			
Size: 0.8 x 4.0 x 70 mm	silver	**SF-BIT-SL 0,8X4,0-70**	1212572	5			
Size: 1.0 X 4.0 x 70 mm	silver	**SF-BIT-SL 1,0X4,0-70**	1212754	5			
Size: 1.0 x 5.5 x 50 mm	silver	**SF-BIT-SL 1,0X5,5-50**	1212574	5			
Size: 1.0 x 5.5 x 70 mm	silver	**SF-BIT-SL 1,0X5,5-70**	1212575	5			
Size: 1.2 x 6.5 x 70 mm	silver	**SF-BIT-SL 1,2X6,5-70**	1212577	5			
Screw bit, PH cross, E6,3-1/4" drive, hardened, suitable for holder in accordance with DIN 3126-F 6,3/ISO 1173							
Size: PH 1 x 50 mm	silver				**SF-BIT-PH 1-50**	1212579	5
Size: PH 2 x 50 mm	silver				**SF-BIT-PH 2-50**	1212580	5
Size: PH 3 x 50 mm	silver				**SF-BIT-PH 3-50**	1212581	5
Size: PH 1 x 70 mm	silver				**SF-BIT-PH 1-70**	1212582	5
Size: PH 2 x 70 mm	silver				**SF-BIT-PH 2-70**	1212583	5
Size: PH 3 x 70 mm	silver				**SF-BIT-PH 3-70**	1212584	5
Screw bit, PZ cross, E6,3-1/4" drive, hardened, suitable for holder in accordance with DIN 3126-F 6,3/ISO 1173							
Size: PZ 1 x 50 mm	silver				**SF-BIT-PZ 1-50**	1212591	5
Size: PZ 2 x 50 mm	silver				**SF-BIT-PZ 2-50**	1212592	5
Size: PZ 3 x 50 mm	silver				**SF-BIT-PZ 3-50**	1212593	5
Size: PZ 1 x 70 mm	silver				**SF-BIT-PZ 1-70**	1212594	5
Size: PZ 2 x 70 mm	silver				**SF-BIT-PZ 2-70**	1212595	5
Size: PZ 3 x 70 mm	silver				**SF-BIT-PZ 3-70**	1212596	5
Screw bit, PZ/slotted plus/minus, E6,3-1/4" drive, hardened, suitable for holder in accordance with DIN 3126-F 6,3/ISO 1173							
Size: PZ 1 x 70 mm	silver						
Size: PZ 2 x 70 mm	silver						
Size: PH 1 x 70 mm	silver						
Size: PH 2 x 70 mm	silver						
Screw bit, Torx®, E6,3-1/4" drive, hardened, suitable for holder in accordance with DIN 3126-F 6,3 / ISO 1173, size: TX 8 x 50 mm							
	silver						
Size: TX 10 x 50 mm	silver						
Size: TX 15 x 50 mm	silver						
Size: TX 20 x 50 mm	silver						
Size: TX 25 x 50 mm	silver						
Size: TX 30 x 50 mm	silver						
Size: TX 40 x 50 mm	silver						
Screw bit, hexagonal, E6,3-1/4" drive, hardened, suitable for holder in accordance with DIN 3126-F6,3/ISO 1173							
Size: hex 2.5 x 50 mm	silver						
Screw bit, size: hex 3 x 50 mm	silver						
Size: hex 4 x 50 mm	silver						
Size: hex 5 x 50 mm	silver						
Size: hex 6 x 50 mm	silver						
Size: hex 8 x 50 mm	silver						
Screw bit, slotted, graduated, E6,3-1/4" drive, for test socket screws, hardened, suitable for holder in accordance with DIN 3126-F 6,3/ISO 1173							
Size: 0.6 x 3.5 x 50 mm	silver	**SF-BIT-SLS 0,6X3,5-50**	1212605	5			
Size: 0.9 x 6.5 x 50 mm	silver	**SF-BIT-SLS 0,9X6,5-50**	1212606	5			

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Screw bit, plus/minus





Screw bit, Torx®





Screw bit, hex

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SF-BIT-PZSL 1-70	1212603	5
SF-BIT-PZSL 2-70	1212604	5
SF-BIT-PHSL 1-70	1212479	5
SF-BIT-PHSL 2-70	1212601	5

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SF-BIT-TX 8-50	1212570	5
SF-BIT-TX 10-50	1212573	5
SF-BIT-TX 15-50	1212576	5
SF-BIT-TX 20-50	1212578	5
SF-BIT-TX 25-50	1212585	5
SF-BIT-TX 30-50	1212586	5
SF-BIT-TX 40-50	1200161	5

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SF-BIT-HEX 2,5-50	1212646	5
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
SF-BIT-HEX 5-50	1212649	5
SF-BIT-HEX 6-50	1212650	5
SF-BIT-HEX 8-50	1212651	5

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SCREWFOX screwdriver tools





Hexagon insert bit, wrench size of 5.5 / 8 / 13 mm

SHN ...

– Ergonomically designed two-component grip for fatigue-proof and non-slip use

SF-THEX ...

– Ergonomically designed handles ensure an optimum grip. They help avoid fatigue when working
– The hardened blades are designed for durability
– Optimum edge geometries increase the bearing surface and prevent the screws from being over-tightened
– The hexagonal and Torx® L-keys are aligned in a practical bracket, that enables secure storage and quick removal.
– The matt chrome and phosphate-coated surfaces provide high corrosion protection
– With ball head on long limbs, working on hard to access areas is possible
– Optimum edge geometries increase the contact surface and protect the screws. As a result, higher torques can be applied

	Ordering data		
Description	**Type**	**Order No.**	Pcs./Pkt.
Socket wrench, for hexagon screws/nuts, with hollow shaft			
Wrench size of 5.5 mm	**SHN 5.5**	1209855	10
Wrench size of 8 mm	**SHN 8**	1209868	10
Wrench size of 13 mm	**SHN 13**	1209923	10
T-handle screwdriver, for Allen screws, ergonomically shaped handle, matt chrome-plated			
Size: hex 2 x 100 mm			
Size: hex 2.5 x 100 mm			
Size: hex 3 x 100 mm			
Size: hex 4 x 150 mm			
Size: hex 5 x 150 mm			
Size: hex 6 x 200 mm			
Size: hex 8 x 200 mm			
Size: hex 10 x 200 mm			
Allen screw set, for Allen screws, 9-piece, 1.5 to 10.0 mm, matt chrome, with spherical head, including bracket			
L-key set, Torx®, TX 8, 9, 10, 15, 20, 25; 27, 30, 40 mm, phosphate coated, with spherical head as of TX 15, including bracket			



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Allen screw,
wrench size 2 - 10 mm



Allen screw set,
wrench size 1.5 - 10 mm



Torx® -SET, TX 8 - 40

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SF-THEX 2-100	1212637	5
SF-THEX 2,5-100	1212638	5
SF-THEX 3-100	1212639	5
SF-THEX 4-150	1212640	5
SF-THEX 5-150	1212641	5
SF-THEX 6-200	1212642	5
SF-THEX 8-200	1212643	5
SF-THEX 10-200	1212644	5

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SF-LHEX SET	1212544	1

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SF-LTX SET	1200162	1

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SCREWFOX torque screwdriver



- TSD ... SAC torque screwdrivers with a range of preset torques from 0.2 Nm to 2.5 Nm
- A wide variety of SAC ... nuts for all kinds of applications
- For the TSD-M ... torque screwdrivers the torque can be set individually
- The TSD-M ... adapters can accommodate the various nuts



Torque screwdriver

EAC

Ordering data

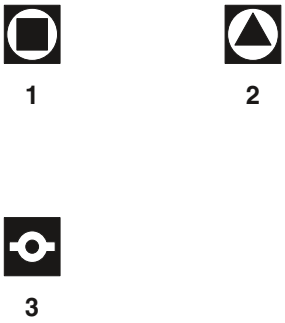
Description	Type	Order No.	Pcs./Pkt.
Torque screwdriver			
With preset torque of 0.2 Nm and 4 mm hexagonal drive	**TSD 02 SAC**	1208487	1
With preset torque of 0.4 Nm and 4 mm hexagonal drive	**TSD 04 SAC**	1208429	1
With a preset torque of 0.8 Nm and a 4 mm hexagonal drive	**TSD 08 SAC**	1212597	1
With a preset torque of 2.0 Nm and 4 mm hexagonal drive	**TSD 20 SAC**	1212020	1
With a preset torque of 2.5 Nm and 4 mm hexagonal drive	**TSD 25 SAC**	1212315	1
Torque screwdriver			
adjustable from 0.3 ... 1.2 Nm	**TSD-M 1,2NM**	1212224	1
adjustable from 1.2 ... 3 Nm	**TSD-M 3NM**	1212225	1
adjustable from 3 ... 6 Nm	**TSD-M 6NM**	1212226	1
Adapter insert, for torque screwdrivers with adjustable torque, accommodates SAC nuts for 4 mm hexagonal screwdrivers	**TSD-M SAC-BIT ADAPTER**	1212600	1

Accessories

Nut			
assembles sensor/actuator cables with M8 connectors and M8 connectors with insulation displacement connection, for TSD 02 SAC, for 0.2 Nm	**SAC BIT M8-D10**	1208461	1
assembles SACC M8 connectors for assembly with longitudinal knurl, excluding those with insulation displacement connection, for TSD 02 SAC, for 0.2 Nm	**SACC BIT M8-D12**	1208474	1
assembles sensor/actuator cables with M12 connectors and M12 connectors with insulation displacement connection, for TSD 04 SAC, for 0.4 Nm	**SAC BIT M12-D15**	1208432	1
assembles sensor/actuator cables with M12 connectors and M12 connectors with insulation displacement connection, diameter 16 mm, for 0.4 Nm	**SAC BIT M12-D16**	1200305	1
assembles SACC M12 connectors for assembly, excluding those with insulation displacement connection, for TSD 04 SAC, for 0.4 Nm and 0.8 Nm	**SACC BIT M12-D20**	1208445	1
assembles M12 connector with hexagonal stainless steel knurls, wrench size 14, for TSD 04 SAC, for 0.4 Nm	**SAC BIT M12-W14**	1212513	1
for assembly of 7/8" connectors, for TSD 08 SAC, for 0.8 Nm	**SAC BIT MIN-D25**	1212512	1
for secure tightening of the pressure nuts with 13 mm wrench size, for TSD 20 SAC, for 0.8 Nm, and 2.0 Nm	**SAC BIT QUICKON-W13**	1212033	1
for secure tightening of the pressure nuts with 24 mm wrench size, for TSD 25 SAC, for 2.5 Nm	**SAC BIT HOOD-W 24**	1212486	1

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SCREWFOX universal control cabinet key





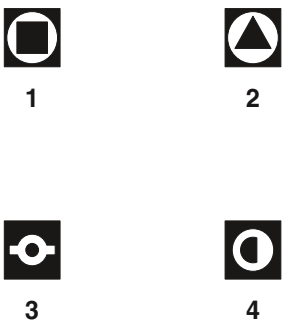
Four-way closure

– Universal control cabinet key with the following closures:
1 = 5, 6, 7-8 mm, square
2 = 7-8 mm, triangle
3 = 3-5 mm, two-way key bit

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Control cabinet key, metal, for all common types of control cabinet	USS 4	1203149	1

SCREWFOX universal control cabinet key





Control cabinet key, 9 closures

– **Universal control cabinet key,** with strong chain and snap hook, for the following closures:
1 = 5, 6, 7-8, 9-10 mm square
2 = 7, 8 - 9, 10 - 11 mm triangle
3 = 3-5 mm two-way key bit
4 = 6 mm semicircle

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Control cabinet key, metal, for all common types of control cabinet	SF-CCK 9	1212525	1

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Tool boxes with sockets

- Solid 1/4" screw set with comprehensive equipment
- Made from chrome vanadium steel for a long service life
- With right/left switching
- Ratcheting mechanism with 48 teeth enabling precise working, even in tight work environments
- With ball locking device, for secure hold of sockets and attachments
- Optimum power transmission, without damaging the screw head, thanks to special edge geometries
- Robust case for safe storage



Socket tray, 47-part

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Socket tray 1/4", 47-part, 1/4" reversible ratchet, 48 teeth with fast locking system, 1/4" extensions 50 mm and 100 mm, 1/4" screwdriver grip, 1/4" flexible extension 150 mm, 1/4" cardan joint, 1/4" T-handle 2 x 1/4" bit adapter, 13 knurled 1/4" sockets SW 4 / 4,5 / 5 / 5,5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 mm, 21 knurled socket bits: 6 x Torx® T10, T15, T20, T25, T30, T40, 6 x Hex 3, 4, 5, 6, 7, 8 mm, 3 x Phillips recess® PH1, PH2, PH3, 3 x Pozidriv® PZ1, PZ2, PZ3, 3 x slot 4, 5,5, 7 mm, angle pin spanner, Hex 1,27, 1,5, 2, 2,5 mm, breakage and impact resistant plastic case with metal closing flap	**SF-SOCKET SET 47**	1200292	1

Measuring tape

- Robust and versatile use
- Easy internal and external measurements, thanks to the movable, magnetic hooks
- With automatic tape feed and locking mechanism
- Abrasion resistant, easily-read scale
- With belt clip
- Available in metric and inch/metric version



Measuring tape: 5 m

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Measuring tape, 5 m			
Metric	**MEASURING TAPE 5M**	1200298	1
Inch/metric	**MEASURING TAPE 5M I/M**	1200304	1

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TESTFOX voltage and continuity tester



- DC and AC voltage tests in the range from 12 V to 1000 V AC/1000 V DC
- Acoustic and optical continuity test
- Vibration alarm for safe voltage detection
- Shock-proof housing that is protected against dust and splash water, IP65



Voltage tester

Technical data

General data		
Voltage range	[V DC]	12 ... 1000
Voltage range	[V AC]	12 ... 1000

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Voltage tester			
	DUSPOL EXPERT	1209091	1

TESTFOX, digital current probe multimeter

- The current probes can be used for voltages of up to 600 V, category III
- They combine the functions of a digital multimeter with those of a current probe
- Contained within a compact and practical housing, so ideal for use in cramped conditions
- All measuring ranges are protected against overload



For DC and AC current

Technical data

General data	
Display scope	4000 digits
Accuracy of display	0,5%
AC voltage measuring range	0.1 mV ... 600 V
DC voltage measuring range	0.1 mV ... 600 V
AC current measuring range	10 mA ... 300 A
DC current measuring range	10 mA ... 300 A
Resistance measuring range	0.1 Ω ... 40 MΩ
Continuity test range	Acoustic (50 Ω)
Degree of protection	IP30
Measuring category	CAT III 300 V / CAT II 600 V
Power supply	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE 0411

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Current probe/multimeter			
	TESTFOX CC-1	1212211	1

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TESTFOX digital multimeter





**Digital multimeter,
with extended scope of functions**

- You are bound to be impressed by the technology of the digital multimeters and their quality
- The devices are extremely versatile
- Tested and approved in accordance with applicable IEC/EN 61010 standards independently of certification body
- Suitable for measuring AC voltages and resistance as well as testing continuity and diodes
- TESTFOX M-1 also allows you to measure DC and AC currents, capacitance, and frequencies. Furthermore, it measures temperatures in the -20°C to +800°C range

High-level of safety

- Phase voltages can be detected precisely, thanks to the audible and red light signals
- The devices are used for voltages of up to 600 V category III or 1000 V category II
- They provide professional service technicians and operating engineers with a higher level of protection, thereby ensuring maximum safety during work

Safe cable breakage detection

- Cable breaks and defective lamps in exposed cable ends are followed from the supply side of the phase right through to the point of interruption

Technical data

General data	
Display scope	2000 digits
Accuracy of display	0.5%
Volt sensor	Yes
AC voltage measuring range	0.1 mV ... 750 V
DC voltage measuring range	0.1 mV ... 1000 V
AC current measuring range	1 mA ... 10 A
DC current measuring range	1 mA ... 10 A
Resistance measuring range	0.1 Ω ... 20 MΩ
Continuity test range	Yes (25 Ω)
Frequency measuring range	1 Hz ... 20 MHz
Capacity measuring range	1.00 pF ... 2.00 mF
Temperature measuring range	-20°C ... 800°C
Diode test	Yes (1.5 mA)
Degree of protection	IP30
Measuring category	CAT III 600 V / CAT II 1000 V
Power supply	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE 0411

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Digital multimeter			
	TESTFOX M-1	1212209	1

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TOOL fox, tool sets for convenient use on site

- Universal tool sets, with cutting, stripping, crimping, and testing tools from the TOOL fox tool range
- Robust and heavy-duty tool bags for long-term use
- With permanently closeable business card pocket
- With various compartments and options for storing tools and materials
- For more sets, visit phoenixcontact.net/products



Tool set in a carry case wrap



Tool set in a carry case wrap

EAC

EAC

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Tool carry case wrap, equipped with one of each of the following tools: CUTFOX-S VDE | CUTFOX 16 VDE | UNIFOX-C VDE | UNIFOX-P VDE | SZS 0,4X2,5 | SZS 0,5X3,0 | SZS 1,0X4,0 | SZS 1,0X6,5 | SZK PH0 | SZK PH1 | SZK PH2 | DUSPOL EXPERT | TOOL-WRAP EMPTY	**TOOL-WRAP**	1212505	1			
Tool carry-on bag, unequipped	**TOOL-WRAP EMPTY**	1212501	1			
Tool carry case wrap, equipped with one of each of the following tools: CUTFOX 18 | WIREFOX 10 | WIREFOX 16-1 | WIREFOX-D 40 | CRIMPFOX CENTRUS 6H | SF-SL 0,6X3,5-100 S-VDE | SF-SL 0,8X4,0-100 S-VDE | SF-SL 1,0X5,5-125 S-VDE SF-PH 1-80 S-VDE | SF-PH 2-100 S-VDE | SF-PZSL 2-100 S-VDE | TOOL-WRAP EMPTY				**TOOL-WRAP-2**	1200100	1

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TOOL fox, tool sets for convenient use on site

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new



Tool set in a case

EAC

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool kit, equipped with each of the following tools: WIREFOX 10	CRIMPFOX DUO 10	CRIMPFOX DUO 10 SET	1044971	1
Tool case, equipped with one of each of the following tools: CUTFOX 18	WIREFOX 10	 CRIMPFOX CENTRUS 6S	 AI SORTI BOX RD	 TOOL-KIT STANDARD EMPTY			
Tool kit, equipped with each of the following tools: CUTFOX 18	WIREFOX 10	CRIMPFOX CENTRUS 10S			
Tool case, equipped with one of each of the following tools: CRIMPFOX 6S-F	WIREFOX 10	 WIREFOX-D 40	CUTFOX 18	 SZF 1-0,6X3,5	TOOL-KIT STANDARD EMPTY		
Tool case, equipped with one of each of the following tools: CRIMPFOX-M	CRIMPFOX-M SR 6-1/DIE | CRIMPFOX-M SR 6-2/DIE	CRIMPFOX-M SR 6-3/DIE | WIREFOX-D SR 6	WIREFOX-D SR 6-1 CUTFOX 16 VDE	SZK PH1 VDE | SZK PH2 VDE	SF-SL 0,6X3,5-100 S-VDE | SF-SL 0,8X4,0-100 S-VDE TOOL-KIT STANDARD EMPTY			
Tool kit, empty, with elastic straps to hold tools of different sizes in place	TOOL-KIT STANDARD EMPTY	1212423	1

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Tool set in a case



Tool set in a case



Tool set in a case

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX CENTRUS 6S SET	1213999	1
CRIMPFOX CENTRUS 10S SET	1026994	1

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
TOOL-KIT STANDARD	1212422	1

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
TOOL-KIT SOLAR	1212071	1

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TOOL fox, tool sets for convenient use on site

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- With permanently closeable business card pocket
- With various compartments and options for storing tools and materials
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Tool set in a belt pouch

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool belt pouch, equipped with one of each of the following tools: CUTFOX-S VDE | CUTFOX 18 | WIREFOX-D 13 | UNIFOX-CE VDE | USS 4 | SZS 0,5X3,0 | SZS 1,0X4,0 | SZS 1,0X5,5 | SZK PH1 | SZK PH2 | Cutting knife | Tape measure 5 m | DUSPOL EXPERT | TOOL-BELTPOUCH EMPTY	**TOOL-BELTPOUCH**	1212506	1
Tool belt pouch, empty	**TOOL-BELTPOUCH EMPTY**	1212502	1
Tool bag, equipped with one of each of the following tools: CUTFOX S VDE | CUTFOX 18 | WIREFOX 10 VDE | WIREFOX-D 13 | WIREFOX-D 28 | CRIMPFOX-M | CRIMPFOX-M 10/DIE | UNIFOX-CE VDE | UNIFOX-P VDE | UNIFOX WP | SZS 0,4X2,5 | SZS 0,5X3,0 | SZS 1,0X4,0 | SZS 1,0X6,5 | SZK PH0 | SZK PH1 | SZK PH2 | DUSPOL EXPERT | USS 4 | Cutting knife | Tape measure 5 m | TOOL CARRIER EMPTY			
Tool bag, empty			
Tool bag, with laptop and document compartments, equipped with one of each of the following tools: CUTFOX 25 VDE | CUTFOX-S VDE | WIREFOX 10 | WIREFOX-D 40 | CRIMPFOX-M SET | UNIFOX-C VDE | UNIFOX-P VDE | UNIFOX WP | SZS 0,4X2,5 | SZS 0,5X3,0 | SZS 1,0X4,0 | SZS 1,0X6,5 | SZK PH0 | SZK PH1 | SZK PH2 | DUSPOL EXPERT | USS 4 | AI SORTI BOX RD | Cutting knife | 5 m tape measure | TOOL-BAG EMPTY			
Tool bag, with document and laptop compartments, empty			
Tool set, consisting of: CRIMPHANDY 0.5 mm^2 (packed in a robust bag), CRIMPHANDY CUTTER, and taped ferrules, 0.5 mm^2, 100 strips with 50 ferrules per strip			
Tool set, consisting of: CRIMPHANDY 0.75 mm^2 (packed in a robust bag), CRIMPHANDY CUTTER, and taped ferrules, 0.75 mm^2, 100 strips with 50 ferrules per strip			
Tool set, consisting of: CRIMPHANDY 1.0 mm^2 (packed in a robust bag), CRIMPHANDY CUTTER, and taped ferrules, 1.0 mm^2, 100 strips with 50 ferrules per strip			
Tool set, consisting of: CRIMPHANDY 1.5 mm^2 (packed in a robust bag), CRIMPHANDY CUTTER, and taped ferrules, 1.5 mm^2, 100 strips with 50 ferrules per strip			

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Tool set in a shoulder bag



Tool set in a bag with laptop and document compartments



EAC

Ordering data

Type	Order No.	Pcs./Pkt.
TOOL-CARRIER	1212503	1
TOOL-CARRIER EMPTY	1212499	1

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
TOOL-BAG	1212504	1
TOOL-BAG EMPTY	1212500	1

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
CF CRIMPHANDY 0,5 SET	1003673	1
CF CRIMPHANDY 0,75 SET	1003672	1
CF CRIMPHANDY 1,0 SET	1003671	1
CF CRIMPHANDY 1,5 SET	1003670	1

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TOOL fox, tool sets

– We have put together a number of attractive tool sets for you by selecting products from our comprehensive range of professional tools



RJ45 tool set

EAC

Description	Ordering data		
	Type	**Order No.**	Pcs./Pkt.
Stripping, crimping and cutting set, consisting of: cable cutter for copper and aluminum up to 12 mm Ø, stripping tool for stripping multi-core signal, control, and fiberglass cables with 2.5 - 11 mm Ø, insulation thickness of up to 1 mm Basic pliers for accommodating dies for different type of contacts Die, for CRIMPFOX-M, for unshielded RJ45 connectors	**TOOL DATA SET**	1208856	1
Cutting, stripping, and crimping set, comprising: cable cutter for copper and aluminum up to Ø 12 mm, stripping tool for cables and conductors with a cross section of 0.02 - 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² rigid/1.5 mm² flexible Crimping pliers for ferrules measuring 0.14 - 10 mm²			
Stripping, crimping, and screwing set, comprising: screwdriver for slotted-head screws Stripping tool for 0.02 - 10 mm² cables and conductors, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² rigid/1.5 mm² flexible Crimping pliers for ferrules in accordance with DIN DIN 46228, Parts 1+4, 0.5 - 6 mm², front insertion, square crimping Ferrules, CSA-certified, 50 pcs. each of: AI 0,5-8 WH, AI 2,5-8 BU Ferrules, CSA-certified, 100 pcs. each of: AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK			
Assortment box, made of metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified 500 pieces each of AI 0,25-6 YE, AI 0,34-6 TQ, AI 0,5-8 WH, AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK, 300 pieces of AI 2,5-8 BU, 200 pieces of AI 4-10 GY, 100 pieces of AI 6-12 YE as well as stripping tool for wires and conductors of up to 6 mm² Crimping pliers for ferrules in accordance with DIN 46228, Part 1+4, 0.5 - 6 mm², front insertion, trapezoidal crimp			
Assortment box, made of metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified 300 pieces of AI 10-12 RD, 200 pieces of AI 16-12 BU, 100 pieces of AI 25-16 YE as well as stripping tool, for stripping wires of 4.5 - 40 mm Crimping pliers for ferrules in accordance with DIN 46228, Part 1+4, 10 - 25 mm², lateral insertion, WM crimp			
Assortment box, metal, empty			

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Ferrule tool set



Tool and ferrule set



Tool and ferrule set

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
TOOL SET ALLROUND 2	1208843	1

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
TOOL-SET ALLROUND 3	1208953	1

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPSET 6	1202072	1
CRIMPSET 25	1202580	1
CRIMPSET 6/25 LEER	1204041	1

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CRIMPFOX pliers, laser marked according to customer specifications





– Customize your crimping tool!
– You can now use robust laser engraving to mark CRIMPFOX pliers
– Individual laser marking prevents your tools from being mixed up

Notes:

Matching accessories can be found in main catalog 3 or the product area on our website at phoenixcontact.net/products.

[1]) Tools with customer-specific laser marking can be ordered quickly and easily in the product area on our website at phoenixcontact.net/products.

The advantages of our CRIMPFOX tools:
– Consistently high crimping quality
– Unlockable pressure lock
– Marked die stations for precise processing of the relevant cross sections
– Easy work thanks to improved force transfer
– Ergonomically designed, non-slip handles

Description
Crimping pliers, for ferrules, in accordance with DIN 46228-1-4 and UL 486F, five marked die stations, **laser marked according to customer specifications**[1])
Lateral entry, 0.25 - 6.0 mm², unlockable pressure lock, trapezoidal crimp
Front insertion, 0.5 - 6 mm², square crimp
Crimping pliers, unlockable pressure lock, lateral entry, oval crimp, **laser marked according to customer specifications**[1])
For insulated cable lugs (light green, red), 0.14 - 1 mm², three marked die stations
For insulated cable lugs (red, blue), 0.5 - 2.5 mm², two marked die stations
Crimping pliers, for uninsulated cable lugs, three marked die stations, 0.34 - 2.5 mm², unlockable pressure lock, lateral entry, indent crimp, **laser marked according to customer specifications**[1])
Crimping pliers, for uninsulated slip-on sleeves 2.8/4.8/6.3 mm, three marked die stations, B-crimp, 0.1 - 1.5 mm², unlockable pressure lock, lateral entry, **laser marked according to customer specifications**[1])
Crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486F, self-adjusting die, trapezoidal crimp, 0.5 - 6 mm², unlockable pressure lock, **laser marked according to customer specifications**[1])
Front insertion
Lateral entry
Crimping pliers, three marked die stations, 0.5 - 6 mm², oval crimp, unlockable pressure lock, lateral entry, **laser marked according to customer specifications**[1])
For insulated cable lugs, symmetrical (red, blue, yellow)
For insulated cable lugs, asymmetrical (red, blue, yellow)
Crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486F, unlockable pressure lock, lateral entry, **laser marked according to customer specifications**[1])
Three marked die stations, 10 - 25 mm²
Two marked die stations, 35 - 50 mm²

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TOOLS FOR YOU



Laser marked according to customer specifications

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 6 CUS	1212767	1
CRIMPFOX 6S-F CUS	1212769	1
CRIMPFOX-RCI 1 CUS	1212772	1
CRIMPFOX-RCI 2,5 CUS	1212773	1
CRIMPFOX-RC 2,5 CUS	1212777	1
CRIMPFOX-SC 1,5 CUS	1212779	1

TOOLS FOR YOU



Laser marked according to customer specifications

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 6T-F CUS	1212771	1
CRIMPFOX 6T CUS	1212770	1

TOOLS FOR YOU





Laser marked according to customer specifications

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RCI 6 CUS	1212774	1
CRIMPFOX-RCI 6-1 CUS	1212775	1
CRIMPFOX 25R CUS	1212765	1
CRIMPFOX 50R CUS	1212766	1

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CRIMPFOX and WIREFOX pliers, laser marked according to customer specifications



The advantages of our WIREFOX tools:
- The special spring mechanism helps you to work precisely and safely
- Ergonomically designed, non-slip handles
- The WIREFOX pliers automatically adjust to different insulations and conductor diameters
- Highly adjustable limit stop for the stripping length
- Practical integrated wire cutter
- Easily replaceable blade cassettes for different cross sections and insulation
- Customize your crimping and stripping tool!
- You can now use robust laser engraving to mark CRIMPFOX and WIREFOX pliers
- Individual laser marking prevents your tools from being mixed up

Notes:

Matching accessories can be found in main catalog 3 or the product area on our website at phoenixcontact.net/products.

[1]) Tools with customer-specific laser marking can be ordered quickly and easily in the product area on our website at phoenixcontact.net/products.

TOOLS FOR YOU



Laser marked according to customer specifications

EAC

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for uninsulated cable lugs, three marked die stations, indent crimp, unlockable pressure lock, lateral entry, **laser marked according to customer specifications**[1])			
4 - 10 mm²	**CRIMPFOX-RC 10 CUS**	1212776	1
10 - 25 mm²	**CRIMPFOX-RC 25 CUS**	1212778	1
Crimping pliers, for uninsulated slip-on sleeves 2.8/4.8/6.3 mm, three marked die stations, 0.5 - 6 mm², B-crimp, unlockable pressure lock, lateral entry, **laser marked according to customer specifications**[1])	**CRIMPFOX-SC 6 CUS**	1212780	1
Crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486F, unlockable pressure lock, lateral entry, **laser marked according to customer specifications**			
Square crimp, 0.14 - 6 mm²			
Square crimp, 0.14 - 10 mm²			
HEX crimp, 0.14 - 6 mm²			
HEX crimp, 0.14 - 10 mm²			
Crimping pliers, for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, rotating die, lateral and front entry			
Stripping tool, self-adjusting, easily replaceable blade cassettes, stripping length of up to 18 mm, cutting capacity: up to 1.5 mm² rigid, up to 10 mm² flexible, **laser marked according to customer specifications**[1])			
For cables and conductors from 0.1 - 4 mm², specifically also intended for rubber and other kinds of special insulation			
For cables and conductors from 1.5 - 6 mm², specifically for short-circuit-proof cables and rubber insulation			
For standard cables and conductors from 0.02 - 10 mm²			
For standard cables and conductors from 4 - 16 mm²			

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TOOLS FOR YOU



Laser marked according to customer specifications

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX CENTRUS 6S CUS	1213164	1
CRIMPFOX CENTRUS 10S CUS	1213174	1
CRIMPFOX CENTRUS 6H CUS	1213166	1
CRIMPFOX CENTRUS 10H CUS	1213176	1

new

TOOLS FOR YOU



Laser marked according to customer specifications

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX DUO 10 CUS	1044970	1

TOOLS FOR YOU



Laser marked according to customer specifications

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX 4 CUS	1212762	1
WIREFOX 6SC CUS	1212763	1
WIREFOX 10 CUS	1212760	1
WIREFOX 16 CUS	1212761	1

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CUS tool sets, equipped with tools according to customer requirements



You can put together your own CUS tool set according to your individual requirements
– Six different bags are available, designed for typical applications
– Products are configured and ordered with web code:

i #0290

TOOLS FOR YOU



Tool case, lockable, with straps

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool case, lockable, with adjustable strap, equipped with: cable cutter, diagonal cutter, micro cutter, stripping and sheath stripping tools, crimping tool set, combination, needle-nose, and water pump pliers, VDE bladed and Phillips screwdrivers, control cabinet key, voltage tester, ferrule box, blades, tape measure, continuity tester, marking tool, ring, open-end, and adjustable wrench set, T-handle hexagonal wrench, safety glasses, hammer, 41-piece ratchet socket wrench set, 1/4"	TOOL-CASE	1212629	1
Tool case, empty, lockable, with permanently closeable business card pocket, very comfortable to carry, thanks to padded strap, with document compartment	TOOL-CASE EMPTY	1212628	1
Tool case, equipped with tools according to customer requirements	TOOL-CASE CUS	1200072	1

CUS tool sets, equipped with tools according to customer requirements

– Robust and heavy-duty tool bags for long-term use
– With permanently closeable business card pocket
– With various compartments and options for storing tools and materials
– Products are configured and ordered with web code:

i #0290

TOOLS FOR YOU



Tool bag, with document and laptop compartments

TOOLS FOR YOU



Tool bag, with strap

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool bag, with adjustable strap, with document and laptop compartments, **equipped with tools according to customer requirements**	TOOL-BAG CUS	1200081	1
Tool bag, with strap, **equipped with tools according to customer requirements**	TOOL-CARRIER CUS	1200082	1

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CUS tool sets, equipped with tools according to customer requirements



– Individual tool sets, with cutting, stripping, crimping, installation, and testing tools from the TOOL fox tool range
– Robust and heavy-duty tool bags
– Products are configured and ordered with web code:

#0290

TOOLS FOR YOU



Tool belt pouch

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool belt pouch, with two robust internal pockets, **equipped with tools according to customer requirements**	TOOL-BELTPOUCH CUS	1200084	1

CUS tool sets, equipped with tools according to customer requirements

– Products are configured and ordered with web code:

#0290

TOOLS FOR YOU



Tool case

TOOLS FOR YOU



Tool wrap

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool case, with elastic straps to hold the tools in place, **equipped with tools according to customer requirements**	TOOL-KIT CUS	1200085	1
Tool wrap, equipped with tools according to customer requirements	TOOL-WRAP CUS	1200083	1

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Tool case with customized marking



- A business card sized label is available for customization. This can be marked according to customer requirements
- Products are configured and ordered with web code:

i #0290

TOOLS FOR YOU



Tool case, lockable, with strap

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool case, with permanently closable business card pocket, with US EMP (85.6 x 54) marking label marked according to customer requirements	TOOL-CASE EMPTY CUS	8191312	1

Tool bags with customized marking

- The tool bags impress with their hard-wearing materials and robust construction
- Products are configured and ordered with web code:

i #0290

TOOLS FOR YOU



Tool bag, with document and laptop compartments

TOOLS FOR YOU



Tool bag, with strap

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool bag, with permanently closeable business card pocket, with US EMP (85.6 x 54) marking label, marked according to customer requirements	TOOL-BAG EMPTY CUS	8191308	1
Tool bag, with permanently closeable business card pocket, with US EMP (85.6 x 54) marking label, marked according to customer requirements	TOOL-CARRIER EMPTY CUS	8191310	1

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Tool belt pouch with customized marking



– The business card pocket can be permanently closed using the plastic rivets supplied as standard
– Products are configured and ordered with web code:

i #0290



Tool belt pouch

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool belt pouch, with permanently closable business card pocket, with US EMP (85.6 x 54) marking label marked according to customer requirements	TOOL-BELTPOUCH EMPTY CUS	8191311	1

Tool kit, tool wrap with customized marking

– No risk of mixing up tool bags, thanks to the clearly printed labels
– Products are configured and ordered with web code:

i #0290



Tool kit



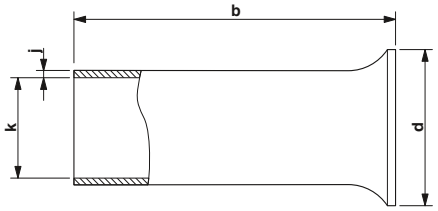
Tool wrap

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool kit, with permanently closeable business card pocket, with US EMP (85.6 x 54) marking label, marked according to customer requirements	TOOL-KIT STANDARD EMPTY CUS	8191307	1
Tool wrap, with permanently closable business card pocket, with marking label US EMP (85.6 x 54) marked according to customer requirements	TOOL-WRAP EMPTY CUS	8191309	1

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Ferrules without insulating collar, in accordance with DIN 46228-1

- The ferrules without plastic sleeve are made from soft tin-plated electrolytic copper
- The ferrules correspond to the requirements of DIN 46228-1 and UL 486F in terms of dimension
- The A 0,25... can also be used to process 0.14 mm² conductors
- UL and CSA-certified





Conductor cross sections from 0.14 to 120 mm²

Notes:

[1]) These color and/or length variants of ferrules are currently not included in DIN 46228-4 and UL 486F, and are therefore not UL-certified. As of 11/2018. Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.

Technical data

General data

Material / coating	CU-DHP / tin-plated (galvanic)

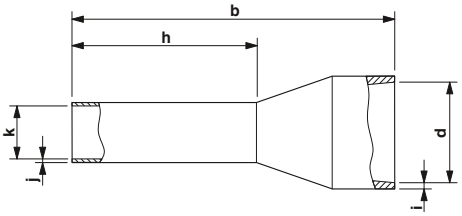
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Ferrules, without plastic sleeves, UL and CSA-certified[2])													
	0.25[1])	24	silver	-	5.00	1.70	-	-	0.15	0.80	**A 0,25- 5**	3202465	1000
	0.25[1])	24	silver	-	7.00	1.70	-	-	0.15	0.80	**A 0,25- 7**	3202478	1000
	0.34[1])	22	silver	-	7.00	1.80	-	-	0.15	0.90	**A 0,34- 7**	3009202	1000
	0.5[1])	20	silver	-	6.00	2.10	-	-	0.15	1.00	**A 0,5 - 6**	3200218	1000
	0.5[1])	20	silver	-	8.00	2.10	-	-	0.15	1.00	**A 0,5 - 8**	3202481	1000
	0.5	20	silver	-	10.00	2.10	-	-	0.15	1.00	**A 0,5 -10**	3202494	1000
	0.75	18	silver	-	6.00	2.30	-	-	0.15	1.20	**A 0,75- 6**	3200221	1000
	0.75[1])	18	silver	-	8.00	2.30	-	-	0.15	1.20	**A 0,75- 8**	3202504	1000
	0.75	18	silver	-	10.00	2.30	-	-	0.15	1.20	**A 0,75-10**	3200234	1000
	1	18	silver	-	6.00	2.50	-	-	0.15	1.40	**A 1 - 6**	3200247	1000
	1[1])	18	silver	-	8.00	2.50	-	-	0.15	1.40	**A 1 - 8**	3202517	1000
	1	18	silver	-	10.00	2.50	-	-	0.15	1.40	**A 1 -10**	3200250	1000
	1.5	16	silver	-	7.00	2.80	-	-	0.15	1.70	**A 1,5 - 7**	3200263	1000
	1.5	16	silver	-	10.00	2.80	-	-	0.15	1.70	**A 1,5 -10**	3200276	1000
	1.5	16	silver	-	12.00	2.80	-	-	0.15	1.70	**A 1,5 -12**	3202588	1000
	1.5[1])	16	silver	-	15.00	2.80	-	-	0.15	1.70	**A 1,5 -15**	3202591	1000
	1.5	16	silver	-	18.00	2.80	-	-	0.15	1.70	**A 1,5 -18**	3202601	1000
	2.5	14	silver	-	7.00	3.40	-	-	0.15	2.20	**A 2,5 - 7**	3200289	1000
	2.5	14	silver	-	12.00	3.40	-	-	0.15	2.20	**A 2,5 -12**	3200292	1000
	2.5	14	silver	-	18.00	3.40	-	-	0.15	2.20	**A 2,5 -18**	3202821	1000
	4	12	silver	-	9.00	4.00	-	-	0.20	2.80	**A 4 - 9**	3200302	1000
	4	12	silver	-	12.00	4.00	-	-	0.20	2.80	**A 4 -12**	3200315	1000
	4	12	silver	-	18.00	4.00	-	-	0.20	2.80	**A 4 -18**	3202834	1000
	6	10	silver	-	10.00	4.70	-	-	0.20	3.50	**A 6 -10**	3202520	500
	6	10	silver	-	12.00	4.70	-	-	0.20	3.50	**A 6 -12**	3200328	500
	10	8	silver	-	12.00	5.80	-	-	0.20	4.50	**A 10 -12**	3200331	500
	10	8	silver	-	18.00	5.80	-	-	0.20	4.50	**A 10 -18**	3200344	500
	-	-	silver	-	25.00	5.80	-	-	0.20	4.50	**A 10 -25**	1090628	500
	-	-	silver	-	32.00	5.80	-	-	0.20	4.50	**A 10 -32**	1090629	500
	16	6	silver	-	12.00	7.50	-	-	0.20	5.80	**A 16 -12**	3200425	100
	16	6	silver	-	25.00	7.50	-	-	0.20	5.80	**A 16 -25**	1090632	250
	16	6	silver	-	32.00	7.50	-	-	0.20	5.80	**A 16 -32**	1090633	250
	25[1])	4	silver	-	12.00	9.50	-	-	0.20	7.30	**A 25 -12**	3200357	100
	25	4	silver	-	15.00	9.50	-	-	0.20	7.30	**A 25 -15**	3200360	100
	25	4	silver	-	18.00	9.50	-	-	0.20	7.30	**A 25 -18**	3200373	100
	25[1])	4	silver	-	20.00	9.50	-	-	0.20	7.30	**A 25 -20**	3200386	100
	25	4	silver	-	25.00	9.50	-	-	0.20	7.30	**A 25 -25**	1090634	100
	25	4	silver	-	32.00	9.50	-	-	0.20	7.30	**A 25 -32**	1090636	100
	25[1])	4	silver	-	40.00	9.50	-	-	0.20	7.30	**A 25 -40**	3241238	100
	35	2	silver	-	18.00	11.00	-	-	0.20	8.30	**A 35 -18**	3200399	100
	35[1])	2	silver	-	20.00	11.00	-	-	0.20	8.30	**A 35 -20**	3200409	100
	35[1])	2	silver	-	40.00	11.00	-	-	0.20	8.20	**A 35 -40**	3241239	100
	35[1])	2	silver	-	32.00	11.00	-	-	0.20	8.20	**A 35 -32**	1090638	100
	50	1/0	silver	-	32.00	13.00	-	-	0.30	10.30	**A 50 -32**	1090639	100
	50[1])	1/0	silver	-	40.00	13.00	-	-	0.30	10.30	**A 50 -40**	3241240	100
	70[1])	2/0	silver	-	40.00	15.00	-	-	0.40	12.50	**A 70 -40**	3241241	100
	95[1])	3/0	silver	-	40.00	17.00	-	-	0.40	14.50	**A 95 -40**	3241242	100
	120[1])	4/0	silver	-	40.00	19.00	-	-	0.50	17.70	**A 120 -40**	1090640	50

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Ferrules with insulating collar, in accordance with DIN 46228-4: 1990-09 and UL 486F

- The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper
- The insulation reliability of close connections is increased and the splicing of wires is prevented
- The Al 0,25... can also be used to process 0.14 mm² conductors
- The ferrules correspond to the requirements of DIN 46228-4 and UL 486F
- UL and CSA-certified





Conductor cross sections from 0.14 to 120 mm²

Notes:

[1]) These color and/or length variants of ferrules are currently not included in DIN 46228-4 and UL 486F, and are therefore not UL-certified. As of 11/2018. Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.

Technical data

General data	
Material / coating	CU-DHP / tin-plated (galvanic)
Plastic sleeve material	Polypropylene / free from silicone and halogen
Long/short-term temperature	105°C (-40°C no load / 0°C dynamic load) / 120°C

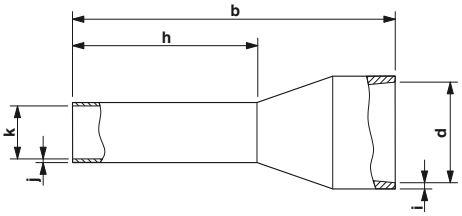
Ordering data

Description	Cross section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Ferrules, with plastic sleeve, color code in accordance with **DIN 46228-4 and UL 486F**, UL and CSA-certified													
	0.25[1])	24	yellow	-	10.50	2.00	6.00	0.25	0.15	0.80	**AI 0,25- 6 YE**	3203024	100
	0.25[1])	24	yellow	-	12.50	2.00	8.00	0.25	0.15	0.80	**AI 0,25- 8 YE**	3203037	100
	0.25[1])	24	yellow	-	14.50	2.00	10.00	0.25	0.25	0.80	**AI 0,25-10 YE**	3241128	100
	0.5	20	white	-	12.00	2.50	6.00	0.25	0.15	1.10	**AI 0,5 - 6 WH**	3200687	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH**	3200014	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH -1000**	3200881	1000
	0.5	20	white	-	16.00	2.50	10.00	0.25	0.15	1.10	**AI 0,5 -10 WH**	3201275	100
	0.5[1])	20	white	-	18.00	2.50	12.00	0.25	0.15	1.10	**AI 0,5 -12 WH**	3200506	100
	0.75	18	gray	-	12.00	2.80	6.00	0.25	0.15	1.30	**AI 0,75- 6 GY**	3200690	100
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY**	3200519	100
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY -1000**	3200894	1000
	0.75	18	gray	-	16.00	2.80	10.00	0.25	0.15	1.30	**AI 0,75-10 GY**	3201288	100
	0.75	18	gray	-	16.00	2.80	10.00	0.25	0.15	1.30	**AI 0,75-10 GY-1000**	3203118	1000
	0.75	18	gray	-	18.00	2.80	12.00	0.25	0.15	1.30	**AI 0,75-12 GY**	3200849	100
	1	18	red	-	12.00	3.00	6.00	0.30	0.15	1.50	**AI 1 - 6 RD**	3200742	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD**	3200030	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD -1000**	3200904	1000
	1	18	red	-	16.00	3.00	10.00	0.30	0.15	1.50	**AI 1 -10 RD**	3200182	100
	1	18	red	-	18.00	3.00	12.00	0.30	0.15	1.50	**AI 1 -12 RD**	3200674	100
	1.5[1])	16	black	-	12.00	3.40	6.00	0.30	0.15	1.80	**AI 1,5 - 6 BK**	3200755	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK**	3200043	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK -1000**	3200917	1000
	1.5	16	black	-	16.00	3.40	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK**	3200195	100
	1.5	16	black	-	18.00	3.40	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK-1000**	3203134	1000
	1.5	16	black	-	18.00	3.40	12.00	0.30	0.15	1.80	**AI 1,5 -12 BK**	3201482	100
	1.5	16	black	-	24.00	3.40	18.00	0.30	0.15	1.80	**AI 1,5 -18 BK**	3200056	100
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU**	3200522	100
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU -1000**	3200920	1000
	2.5[1])	14	blue	-	17.00	4.20	10.00	0.30	0.15	2.30	**AI 2,5 -10 BU**	3202533	100
	2.5[1])	14	blue	-	17.00	4.20	10.00	0.30	0.15	2.30	**AI 2,5 -10 BU-1000**	3203147	1000
	2.5	14	blue	-	18.00	4.20	12.00	0.30	0.15	2.30	**AI 2,5 -12 BU**	3200962	100
	2.5	14	blue	-	24.00	4.20	18.00	0.30	0.15	2.30	**AI 2,5 -18 BU**	3200580	100
	4	12	gray	-	17.00	4.80	10.00	0.30	0.20	2.80	**AI 4 -10 GY**	3200535	100
	4	12	gray	-	20.00	4.80	12.00	0.30	0.20	2.80	**AI 4 -12 GY**	3200959	100
	4[1])	12	gray	-	23.00	4.80	15.00	0.30	0.20	2.80	**AI 4 -15 GY**	1200264	100
	4	12	gray	-	26.00	4.80	18.00	0.30	0.20	2.80	**AI 4 -18 GY**	3200593	100
	6	10	yellow	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 YE**	3200548	100
	6	10	yellow	-	26.00	6.20	18.00	0.30	0.20	3.50	**AI 6 -18 YE**	3200603	100
	10	8	red	-	22.00	7.50	12.00	0.30	0.20	4.60	**AI 10 -12 RD**	3200551	100
	10	8	red	-	28.00	7.50	18.00	0.30	0.20	4.60	**AI 10 -18 RD**	3200616	100
	16	6	blue	-	24.00	8.80	12.00	0.40	0.20	5.80	**AI 16 -12 BU**	3200564	100
	16	6	blue	-	28.00	8.80	18.00	0.40	0.20	5.80	**AI 16 -18 BU**	3200629	100
	25	4	yellow	-	29.00	11.00	16.00	0.50	0.20	7.30	**AI 25 -16 YE**	3200577	50
	25	4	yellow	-	32.00	11.00	18.00	0.50	0.20	7.30	**AI 25 -18 YE**	3201505	50
	25	4	yellow	-	36.00	11.00	22.00	0.50	0.20	7.30	**AI 25 -22 YE**	3200700	50
	35	2	red	-	30.00	12.50	16.00	0.50	0.20	8.30	**AI 35 -16 RD**	3200441	50
	35	2	red	-	32.00	12.50	18.00	0.50	0.20	8.30	**AI 35 -18 RD**	3201495	50
	35	2	red	-	39.00	12.50	25.00	0.50	0.20	8.30	**AI 35 -25 RD**	3200713	50
	50	1/0	blue	-	36.00	15.00	20.00	0.60	0.35	10.30	**AI 50 -20 BU**	3200454	50
	50	1/0	blue	-	40.00	15.00	25.00	0.60	0.35	10.30	**AI 50 -25 BU**	3200726	25
	70[1])	2	yellow	-	37.00	16.00	20.00	0.60	0.35	12.70	**AI 70 -20 YE**	3201848	25
	95[1])	4	red	-	44.00	18.00	25.00	0.60	0.35	14.70	**AI 95 -25 RD**	3201853	25

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Ferrules with insulating collar with color code in acc. with NFC 63-023

- The ferrules correspond to the requirements of DIN 46228-4 and UL 486F in terms of dimension
- The color code of the plastic insulating collar corresponds to the French standard NFC 63-023: 1994-02
- The metal sleeves are made from soft tin-plated electrolytic copper
- UL and CSA-certified





Conductor cross sections from 0.5 to 50 mm²

Notes:

[1]) These color and/or length variants of ferrules are currently not included in DIN 46228-4 and UL 486F, and are therefore not UL-certified. As of 11/2018. Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.

Technical data

General data	
Material / coating	CU-DHP / tin-plated (galvanic)
Plastic sleeve material	Polypropylene / free from silicone and halogen
Long/short-term temperature	105°C (-40°C no load / 0°C dynamic load) / 120°C

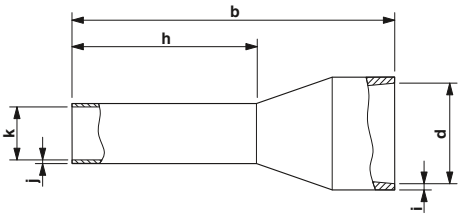
Ordering data

Description	Cross section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Ferrules, with plastic sleeve, color code in accordance with NFC63-023, UL, and CSA-certified													
	0.5	20	white	-	12.00	2.50	6.00	0.25	0.15	1.10	**AI 0,5 - 6 WH**	3200687	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH**	3200014	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH -1000**	3200881	1000
	0.5	20	white	-	16.00	2.50	10.00	0.25	0.15	1.10	**AI 0,5 -10 WH**	3201275	100
	0.5[1])	20	white	-	18.00	2.50	12.00	0.25	0.15	1.10	**AI 0,5 -12 WH**	3200506	100
	0.75[1])	18	blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU**	3200027	100
	0.75[1])	18	blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU -1000**	1213200	1000
	1	18	red	-	12.00	3.00	6.00	0.30	0.15	1.50	**AI 1 - 6 RD**	3200742	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD**	3200030	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD -1000**	3200904	1000
	1	18	red	-	16.00	3.00	10.00	0.30	0.15	1.50	**AI 1 -10 RD**	3200182	100
	1	18	red	-	18.00	3.00	12.00	0.30	0.15	1.50	**AI 1 -12 RD**	3200674	100
	1.5[1])	16	black	-	12.00	3.40	6.00	0.30	0.15	1.80	**AI 1,5 - 6 BK**	3200755	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK**	3200043	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK -1000**	3200917	1000
	1.5	16	black	-	16.00	3.40	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK**	3200195	100
	1.5	16	black	-	18.00	3.40	12.00	0.30	0.15	1.80	**AI 1,5 -12 BK**	3201482	100
	1.5	16	black	-	24.00	3.40	18.00	0.30	0.15	1.80	**AI 1,5 -18 BK**	3200056	100
	2.5[1])	14	gray	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 GY**	3200069	100
	2.5[1])	14	gray	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 -8 GY -1000**	1213201	1000
	2.5[1])	14	gray	-	18.00	4.20	12.00	0.30	0.15	2.30	**AI 2,5 -12 GY**	3200205	100
	2.5[1])	14	gray	-	24.00	4.20	18.00	0.30	0.15	2.30	**AI 2,5 -18 GY**	3200072	100
	4[1])	12	orange	-	17.00	4.80	10.00	0.30	0.20	2.80	**AI 4 -10 OG**	3200085	100
	4[1])	12	orange	-	17.00	4.80	10.00	0.30	0.20	2.80	**AI 4 -10 OG -1000**	1213202	1000
	4[1])	12	orange	-	20.00	4.80	12.00	0.30	0.20	2.80	**AI 4 -12 OG**	3200438	100
	4[1])	12	orange	-	26.00	4.80	18.00	0.30	0.20	2.80	**AI 4 -18 OG**	3200098	100
	6[1])	10	green	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 GN**	3200108	100
	6[1])	10	green	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 GN -1000**	1213203	1000
	6[1])	10	green	-	26.00	6.20	18.00	0.30	0.20	3.50	**AI 6 -18 GN**	3200111	100
	10[1])	8	brown	-	22.00	7.50	12.00	0.30	0.20	4.60	**AI 10 -12 BN**	3200124	100
	10[1])	8	brown	-	28.00	7.50	18.00	0.30	0.20	4.60	**AI 10 -18 BN**	3200137	100
	16[1])	6	ivory	-	24.00	8.80	12.00	0.40	0.20	5.80	**AI 16 -12 IV**	3201181	100
	25[1])	4	black	-	30.00	11.00	16.00	0.50	0.20	7.30	**AI 25 -16 BK**	3200412	50
	25[1])	4	black	-	36.00	11.00	22.00	0.50	0.20	7.30	**AI 25 -22 BK**	3200739	50
	35	2	red	-	30.00	12.50	16.00	0.50	0.20	8.30	**AI 35 -16 RD**	3200441	50
	35	2	red	-	39.00	12.50	25.00	0.50	0.20	8.30	**AI 35 -25 RD**	3200713	50
	50	1/0	blue	-	36.00	15.00	20.00	0.60	0.35	10.30	**AI 50 -20 BU**	3200454	50
	50	1/0	blue	-	40.00	15.00	25.00	0.60	0.35	10.30	**AI 50 -25 BU**	3200726	25

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Ferrules with insulating collar in special colors

- The insulation reliability of close connections is increased and the splicing of wires is prevented
- The conically shaped, Easy Entry insulating collar ensures easy and correct conductor insertion
- The ferrules correspond to the requirements of DIN 46228-4 and UL 486F in terms of dimension
- UL and CSA-certified





Conductor cross sections from 0.14 to 120 mm²

Notes:

[1]) These color and/or length variants of ferrules are currently not included in DIN 46228-4 and UL 486F, and are therefore not UL-certified. As of 11/2018. Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.

Technical data

General data	
Material / coating	CU-DHP / tin-plated (galvanic)
Plastic sleeve material	Polypropylene / free from silicone and halogen
Long/short-term temperature	105°C (-40°C no load / 0°C dynamic load) / 120°C

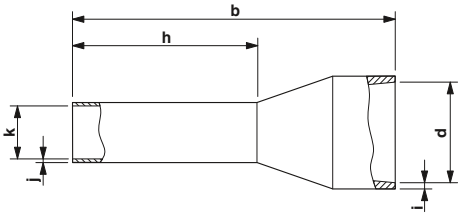
Ordering data

Description	Cross section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Ferrules, with plastic sleeve, special color code, CSA-certified													
	0.14[1])	26	gray	-	12.50	2.00	6.00	0.25	0.15	0.80	**AI 0,14- 6 GY -1000**	1034128	1000
	0.14[1])	26	gray	-	12.50	2.00	8.00	0.25	0.15	0.80	**AI 0,14- 8 GY -1000**	3203011	1000
	0.25[1])	24	blue	-	10.50	2.00	6.00	0.25	0.15	0.80	**AI 0,25- 6 BU**	3203040	100
	0.25[1])	24	blue	-	12.50	2.00	8.00	0.25	0.25	0.80	**AI 0,25- 8 BU**	3201364	100
	0.25[1])	24	blue	-	16.50	2.00	12.00	0.25	0.15	0.80	**AI 0,25-12 BU**	3200632	100
	0.34[1])	22	turquoise	-	10.50	2.00	6.00	0.25	0.15	0.80	**AI 0,34- 6 TQ**	3203053	100
	0.34[1])	22	turquoise	-	12.50	2.00	8.00	0.25	0.15	0.80	**AI 0,34- 8 TQ**	3203066	100
	0.34[1])	22	turquoise	-	14.50	2.00	10.00	0.25	0.15	0.80	**AI 0,34-10 TQ**	3241129	100
	0.34[1])	22	turquoise	-	16.50	2.00	12.00	0.25	0.15	0.80	**AI 0,34-12 TQ**	3200645	100
	0.5[1])	20	orange	-	12.00	2.50	6.00	0.25	0.15	1.10	**AI 0,5 - 6 OG**	3201301	100
	0.5[1])	20	orange	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 OG**	3201123	100
	0.5[1])	20	orange	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 OG-1000**	3202902	1000
	0.5[1])	20	orange	-	14.00	2.50	10.00	0.25	0.15	1.10	**AI 0,5 -10 OG**	3241126	500
	0.75[1])	18	white	-	12.00	2.80	6.00	0.25	0.15	1.30	**AI 0,75- 6 WH**	3201314	100
	0.75[1])	18	white	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 WH**	3201110	100
	1[1])	18	yellow	-	12.00	3.00	6.00	0.30	0.15	1.50	**AI 1 - 6 YE**	3201327	100
	1[1])	18	yellow	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 YE**	3201097	100
	1.5[1])	16	red	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 RD**	3201136	100
	1.5[1])	16	red	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 RD-1000**	3202928	1000
	1.5[1])	16	red	-	24.00	3.40	18.00	0.30	0.15	1.80	**AI 1,5 -18 RD**	3241125	500
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU**	3200522	100
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU -1000**	3200920	1000
	2.5	14	blue	-	18.00	4.20	12.00	0.30	0.15	2.30	**AI 2,5 -12 BU**	3200962	100
	2.5	14	blue	-	24.00	4.20	18.00	0.30	0.15	2.30	**AI 2,5 -18 BU**	3200580	100
	4	12	gray	-	17.00	4.80	10.00	0.30	0.20	2.80	**AI 4 -10 GY**	3200535	100
	4	12	gray	-	20.00	4.80	12.00	0.30	0.20	2.80	**AI 4 -12 GY**	3200959	100
	4	12	gray	-	26.00	4.80	18.00	0.30	0.20	2.80	**AI 4 -18 GY**	3200593	100
	6[1])	10	black	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 BK**	3201107	100
	6[1])	10	black	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 BK -1000**	1004301	1000
	10[1])	8	ivory	-	22.00	7.50	12.00	0.30	0.20	4.60	**AI 10 -12 IV**	3201068	100
	16[1])	6	green	-	24.00	8.80	12.00	0.40	0.20	5.80	**AI 16 -12 GN**	3201152	100
	16[1])	6	green	-	28.00	8.80	18.00	0.40	0.20	5.80	**AI 16 -18 GN**	3201330	100
	16[1])	6	white	-	24.00	8.80	12.00	0.40	0.20	5.80	**AI 16 -12 WH**	3200140	100
	16[1])	6	white	-	28.00	8.80	18.00	0.40	0.20	5.80	**AI 16 -18 WH**	3200153	100
	25[1])	4	brown	-	30.00	11.00	16.00	0.50	0.20	7.30	**AI 25 -16 BN**	3201084	50
	35[1])	2	beige	-	30.00	12.50	16.00	0.50	0.20	8.30	**AI 35 -16 BE**	3201071	50
	50[1])	1/0	olive	-	36.00	15.00	20.00	0.60	0.35	10.30	**AI 50 -20 OL**	3201178	50
	50[1])	1/0	black	-	40.00	15.00	25.00	0.60	0.35	10.30	**AI 50-25 BK**	3240678	1000
	95[1])	4	red	-	44.00	18.00	25.00	0.60	0.35	14.70	**AI 95 -25 RD**	3201853	25
	120[1])	5	blue	-	48.00	21.00	27.00	0.70	0.45	16.70	**AI120 -27 BU**	3201822	25

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Ferrules for special applications

- These ferrules provide a practical way of crimping conductors with increased insulation
- This type of ferrule is used with AWG cables in particular. The insulating collar has an enlarged diameter
- Color code in accordance with DIN 46228-4 and UL 486F
- CSA-certified



Notes:

Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.



Conductor cross sections from 0.5 to 1.5 mm²

Technical data

General data	
Material / coating	CU-DHP / tin-plated (galvanic)
Plastic sleeve material	Polypropylene / free from silicone and halogen
Long/short-term temperature	105°C (-40°C no load / 0°C dynamic load) / 120°C

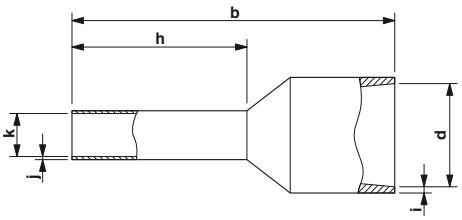
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Ferrules, with enlarged plastic sleeve, color code in accordance with DIN 46228-4 and UL 486F, CSA-certified													
	0.5	20	white	-	13.50	3.00	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH-GB**	1208966	500
	0.5	20	white	-	15.50	3.00	10.00	0.25	0.15	1.10	**AI 0,5-10 WH-GB**	3203150	100
	0.75	18	gray	-	14.00	3.40	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY-GB**	1208979	500
	0.75	18	gray	-	16.00	3.40	10.00	0.25	0.15	1.30	**AI 0,75-10 GY-GB**	3203163	100
	0.75	18	gray	-	16.00	3.40	10.00	0.25	0.15	1.30	**AI 0,75-10 GY-GB-1000**	3203299	1000
	1	18	red	-	14.00	3.40	8.00	0.30	0.15	1.50	**AI 1 - 8 RD-GB**	1208982	500
	1	18	red	-	16.00	3.40	10.00	0.30	0.15	1.50	**AI 1 -10 RD-GB-1000**	1208869	1000
	1.5	16	black	-	14.00	3.70	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK-GB-1000**	3202892	1000
	1.5	16	black	-	16.00	3.70	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK-GB-1000**	1208872	1000

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Ferrules for special applications

- Suitable for conductors with thicker insulation, such as short-circuit-proof conductors
- Color code in accordance with DIN 46228-4 and UL 486F
- CSA-certified





Conductor cross sections from 1.5 to 16 mm²

Notes:

Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.

Technical data

General data	
Material / coating	CU-DHP / tin-plated (galvanic)
Plastic sleeve material	Polypropylene / free from silicone and halogen
Long/short-term temperature	105°C (-40°C no load / 0°C dynamic load) / 120°C

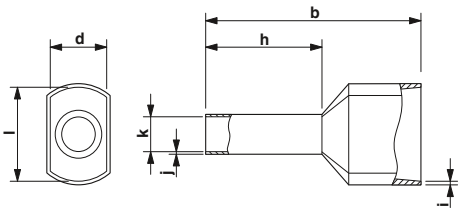
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Ferrules, with significantly enlarged plastic sleeve, color code in accordance with DIN 46228-4 and UL 486F, CSA-certified													
	1.5	16	black	-	17.50	7.00	8.00	0.30	0.15	1.80	**AI-XL 1,5- 8 BK**	3201916	100
	1.5	16	black	-	19.50	7.00	10.00	0.30	0.15	1.80	**AI-XL 1,5-10 BK**	3201974	100
	2.5	14	blue	-	17.50	7.90	8.00	0.30	0.15	2.30	**AI-XL 2,5- 8 BU**	3201929	100
	2.5	14	blue	-	21.50	7.90	12.00	0.30	0.15	2.30	**AI-XL 2,5-12 BU**	3201987	100
	4	12	gray	-	19.50	7.90	10.00	0.30	0.20	2.90	**AI-XL 4 -10 GY**	3201932	100
	6	10	yellow	-	23.00	8.70	12.00	0.30	0.20	3.60	**AI-XL 6 -12 YE**	3201945	100
	10	8	red	-	24.00	10.20	12.00	0.30	0.20	4.60	**AI-XL 10 -12 RD**	3201958	100
	16	6	blue	-	25.50	12.50	12.00	0.40	0.20	6.00	**AI-XL 16 -12 BU**	3201961	100

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Ferrules for special applications

- The TWIN ferrules provide a practical way of crimping two conductors in one ferrule
- Chain bridges can be easily implemented using these special ferrules
- Different versions of the individual TWIN ferrules can be selected for specific applications
- These ferrules correspond to the requirements of UL 486F
- UL and CSA-certified





Conductor cross sections from 2 x 0.5 to 2 x 16 mm²

Notes:

[1]) These color and/or length variants of ferrules are currently not included in UL 486F and are therefore not UL-certified. As of 11/2018. Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.

Technical data

General data	
Material / coating	CU-DHP / tin-plated (galvanic)
Plastic sleeve material	Polypropylene / free from silicone and halogen
Long/short-term temperature	105°C (-40°C no load / 0°C dynamic load) / 120°C

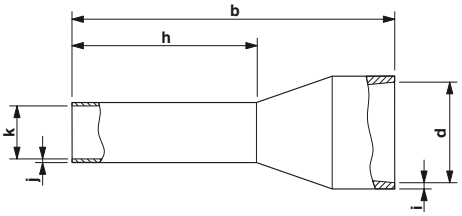
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] b	d	h	i	j	k	l	Type	Order No.	Pcs./Pkt.
Ferrules, with TWIN plastic sleeve, color code in accordance with DIN 46228-4 and UL 486F, UL and CSA-certified													
	2 x 0.5	2 x 20	white	15.00	2.50	8.00	0.25	0.15	1.50	-	AI-TWIN 2X 0,5 - 8 WH	3200933	100
	2 x 0.5[1])	2 x 20	white	17.00	2.50	10.00	0.25	0.15	1.50	-	AI-TWIN 2X 0,5-10 WH	3203309	100
	2 x 0.75	2 x 18	gray	15.00	2.80	8.00	0.25	0.15	1.80	-	AI-TWIN 2X 0,75- 8 GY	3200807	100
	2 x 0.75	2 x 18	gray	17.00	2.80	10.00	0.25	0.15	1.80	-	AI-TWIN 2X 0,75-10 GY	3200975	100
	2 x 1	2 x 18	red	15.00	3.40	8.00	0.30	0.15	2.05	-	AI-TWIN 2X 1 - 8 RD	3200810	100
	2 x 1	2 x 18	red	17.00	3.40	10.00	0.30	0.15	2.05	-	AI-TWIN 2X 1 -10 RD	3200988	100
	2 x 1	2 x 18	red	19.00	3.40	12.00	0.30	0.15	2.05	-	AI-TWIN 2X1-12 RD	3240679	100
	2 x 1.5	2 x 16	black	16.00	3.60	8.00	0.30	0.15	2.30	-	AI-TWIN 2X 1,5 - 8 BK	3200823	100
	2 x 1.5[1])	2 x 16	black	18.00	3.60	10.00	0.30	0.15	2.30	-	AI-TWIN 2X 1,5 -10 BK	3201534	100
	2 x 1.5	2 x 16	black	20.00	3.60	12.00	0.30	0.15	2.30	-	AI-TWIN 2X 1,5 -12 BK	3200991	100
	2 x 2.5	2 x 14	blue	18.50	4.20	10.00	0.30	0.20	2.90	-	AI-TWIN 2X 2,5 -10 BU	3200836	100
	2 x 2.5	2 x 14	blue	21.50	4.20	13.00	0.30	0.20	2.90	-	AI-TWIN 2X 2,5 -13 BU	3200878	100
	2 x 2.5[1])	2 x 14	blue	24.50	4.20	16.00	0.30	0.20	2.90	-	AI-TWIN 2X 2,5 -16 BU	1200281	100
	2 x 4	2 x 12	gray	23.00	4.90	12.00	0.30	0.20	3.80	-	AI-TWIN 2X 4 -12 GY	3201000	100
	2 x 6	2 x 10	yellow	25.00	5.90	14.00	0.40	0.20	4.90	-	AI-TWIN 2X 6 -14 YE	3201013	100
	2 x 10	2 x 8	red	26.00	7.20	14.00	0.40	0.20	6.50	-	AI-TWIN 2X10 -14 RD	3201026	100
	2 x 16[1])	2 x 6	blue	31.00	8.80	16.00	0.50	0.20	8.50	-	AI-TWIN 2X16 -16 BU	3202847	50
Ferrules, with TWIN plastic sleeve, color code in accordance with DIN 46228-4 and UL 486F, UL and CSA-certified													
	2 x 0.5	2 x 20	white	15.00	2.50	8.00	0.25	0.15	1.50	-	AI-TWIN 2X 0,5 - 8 WH	3200933	100
	2 x 0.5[1])	2 x 20	white	17.00	2.50	10.00	0.25	0.15	1.50	-	AI-TWIN 2X 0,5-10 WH	3203309	100
	2 x 0.75[1])	2 x 18	blue	15.00	2.80	8.00	0.25	0.15	1.80	-	AI-TWIN 2X 0,75- 8 BU	3240668	100
	2 x 1	2 x 18	red	15.00	3.40	8.00	0.30	0.15	2.05	-	AI-TWIN 2X 1 - 8 RD	3200810	100
	2 x 1	2 x 18	red	17.00	3.40	10.00	0.30	0.15	2.05	-	AI-TWIN 2X 1 -10 RD	3200988	100
	2 x 1	2 x 18	red	19.00	3.40	12.00	0.30	0.15	2.05	-	AI-TWIN 2X1-12 RD	3240679	100
	2 x 1.5	2 x 16	black	16.00	3.60	8.00	0.30	0.15	2.30	-	AI-TWIN 2X 1,5 - 8 BK	3200823	100
	2 x 1.5[1])	2 x 16	black	18.00	3.60	10.00	0.30	0.15	2.30	-	AI-TWIN 2X 1,5 -10 BK	3201534	100
	2 x 1.5	2 x 16	black	20.00	3.60	12.00	0.30	0.15	2.30	-	AI-TWIN 2X 1,5 -12 BK	3200991	100
	2 x 2.5[1])	2 x 14	gray	18.50	4.20	10.00	0.30	0.20	2.90	-	AI-TWIN 2X 2,5 -10 GY	3240669	100
	2 x 4[1])	2 x 12	orange	23.00	4.90	12.00	0.30	0.20	3.80	-	AI-TWIN 2X 4 -12 OG	1213204	100
	2 x 6[1])	2 x 10	green	25.00	5.90	14.00	0.40	0.20	4.90	-	AI-TWIN 2X 6 -14 GN	1213205	100
	2 x 10[1])	2 x 8	brown	26.00	7.20	14.00	0.40	0.20	6.50	-	AI-TWIN 2X10 -14 BN	1213206	100
	2 x 16[1])	2 x 6	white	31.00	8.80	16.00	0.50	0.20	8.50	-	AI-TWIN 2X16 -16 WH	1213207	50

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Ferrules with plastic sleeve, taped, supplied on large reels

– Ferrules in tape format for automatic processing
– The ferrules are supplied on large reels, each containing a quantity of up to 3000
– The ferrules correspond to the requirements of DIN 46228-4 and UL 486F
– UL and CSA-certified





Conductor cross section of 0.5 ... 2.5 mm²

Notes:

[1]) These color and/or length variants of ferrules are currently not included in DIN 46228-4 and UL 486F, and are therefore not UL-certified. As of 11/2018. Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.

Technical data

General data

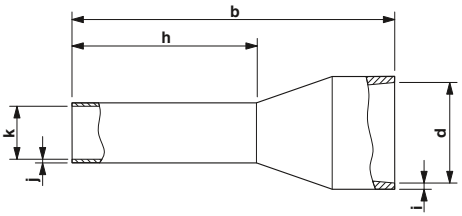
Material / coating	CU-DHP / tin-plated (galvanic)
Plastic sleeve material	Polypropylene / free from silicone and halogen
Long/short-term temperature	105°C (-40°C no load / 0°C dynamic load) / 120°C

Ordering data

Description	Cross section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Taped ferrules, with plastic sleeve, large reels for automatic processing, color code in acc. with DIN 46228-4 and UL 486F, UL and CSA certified													
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5-8 WH-B 3000**	3240663	3000
	0.75[1])	18	white	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75-8 WH-B 3000**	3240677	3000
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75-8 GY-B 3000**	3240664	3000
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1-8 RD-B 3000**	3240665	3000
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5-8 BK-B 2500**	3240666	2500
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5-8 BU-B 1500**	3240667	1500

Ferrules with plastic collar in strip form

– Suitable for processing with the CRIMPFOX 4 IN 1
– The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper
– The ferrules correspond to the requirements of DIN 46228-4 and UL 486F
– UL and CSA-certified





Conductor cross section of 0.5 ... 2.5 mm²

Notes:

[1]) These color and/or length variants of ferrules are currently not included in DIN 46228-4 and UL 486F, and are therefore not UL-certified. As of 11/2018. Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.

Technical data

General data

Material / coating	CU-DHP / tin-plated (galvanic)
Plastic sleeve material	Polypropylene / free from silicone and halogen
Long/short-term temperature	105°C (-40°C no load / 0°C dynamic load) / 120°C

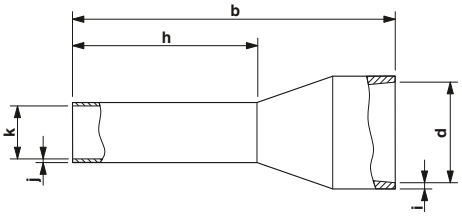
Ordering data

Description	Cross section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Taped ferrules, ferrule length: 8 mm, in accordance with DIN 46228-4 and UL 486F, 10 strips with 50(40) ferrules per strip, UL and CSA-certified													
0.5 mm²	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5-8 WH S1**	1200104	500
0.75 mm²	0.75[1])	18	blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU S1**	1200163	500
0.75 mm²	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY S1**	1200105	500
1.0 mm²	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1,0-8 RD S1**	1200106	500
1.5 mm²	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5-8 BK S1**	1200107	500
2.5 mm²	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5-8 BU S1**	1200108	400
2.5 mm²	2.5[1])	14	gray	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5-8 GY S1**	1200164	400

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Ferrules with plastic collar in strip form

- Suitable for processing with the CRIMPHANDY
- The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper
- The ferrules correspond to the requirements of DIN 46228-4 and UL 486F
- UL and CSA-certified





Conductor cross section 0.5 ... 1.5 mm², with function end

Notes:

[1]) These color and/or length variants of ferrules are currently not included in DIN 46228-4 and UL 486F, and are therefore not UL-certified. As of 11/2018. Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.

Technical data

General data	
Material / coating	CU-DHP / tin-plated (galvanic)
Plastic sleeve material	Polypropylene / free from silicone and halogen
Long/short-term temperature	105°C (-40°C no load / 0°C dynamic load) / 120°C

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Taped ferrules, with function end, 8 mm, with plastic sleeve, in accordance with DIN 46228-4 and UL 486F, UL and CSA-certified, 50 pieces per strip, 20 strips per unit pack													
in accordance with DIN 46228-4, UL 486F, and NFC 63-023	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5-8 WH-S**	1212521	1000
in accordance with DIN 46228-4 and UL 486F	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY-S**	1212522	1000
in accordance with DIN 46228-4, UL 486F, and NFC 63-023	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1,0-8 RD-S**	1212523	1000
in accordance with DIN 46228-4, UL 486F, and NFC 63-023	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5-8 BK-S**	1212524	1000
Special color[1])	0.5	20	orange	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5-8 OG-S**	1212784	1000
in accordance with NFC 63-023[1])	0.75	18	blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU-S**	1212785	1000
Special color[1])	0.75	18	white	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 WH-S**	1212783	1000
Special color[1])	1	18	yellow	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1,0-8 YE-S**	1212782	1000
Special color[1])	1.5	16	red	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5-8 RD-S**	1212781	1000

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Assortment boxes containing ferrules

- Color coding and the transparent cover facilitate fast access to the required ferrules
- The practical assortment boxes are designed to keep your workshop tidy
- With the integrated Euro hole, they are affixed to perforated plate panels in a space-saving way



Assortment box, equipped



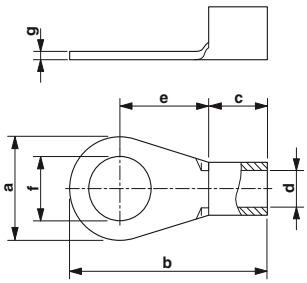
Tool and ferrule set

	Ordering data			Ordering data		
Description	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Assortment box, equipped with ferrules in accordance with DIN 46228-4, CSA-certified 500 pcs. each of AI 0,5-8 WH, AI 2,5-8 BU, 100 pcs. each of AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK	**AI SORTI BOX RD**	3202960	1			
Assortment box, equipped with ferrules in accordance with DIN 46228-4, CSA-certified 50 pcs. of AI 4-10 GY, 20 pcs. each of AI 6-12 YE, AI 10-12 RD, 10 pcs. of AI 16-12 BU	**AI SORTI BOX ANT**	3202973	1			
Assortment box, supplied with TWIN ferrules in accordance with DIN 46228-4, CSA-certified 50 pcs. each of AI-TWIN 2x0,5-8 WH, AI-TWIN 2x0,75-8 GY, AI-TWIN 2x1-8 RD, AI-TWIN 2x1,5-8 BK 25 pcs. of AI-TWIN 2x2,5-10 BU	**AI-TWIN SORTI BOX BU**	3202986	1			
Assortment box, equipped with TWIN ferrules in accordance with DIN 46228-4, CSA-certified 20 pcs. of AI-TWIN 2x4-12 GY, 10 pcs. each of AI-TWIN 2x6-14 YE, AI-TWIN 2x10-14 RD	**AI-TWIN SORTI BOX GY**	3202999	1			
Assortment box, empty, with five compartments	**AI SORTI BOX-E LGY**	3203008	10			
Assortment box, made of metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified 500 pieces each of AI 0,25-6 YE, AI 0,34-6 TQ, AI 0,5-8 WH, AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK, 300 pieces of AI 2,5-8 BU, 200 pieces of AI 4-10 GY, 100 pieces of AI 6-12 YE as well as stripping tool for wires and conductors of up to 6 mm² Crimp pliers for ferrules in accordance with DIN 46228, Part 1+4, 0.5 - 6 mm², front insertion, trapezoidal crimp				**CRIMPSET 6**	1202072	1
Assortment box, made of metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified 300 pieces of AI 10-12 RD, 200 pieces of AI 16-12 BU, 100 pieces of AI 25-16 YE as well as stripping tool, for stripping wires of 4.5 - 40 mm Crimp pliers for ferrules in accordance with DIN 46228, Part 1+4, 10 - 25 mm², lateral insertion, WM crimp				**CRIMPSET 25**	1202580	1
Assortment box, metal, empty				**CRIMPSET 6/25 LEER**	1204041	1

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Ring cable lugs, uninsulated

- The ring cable lugs without plastic sleeve are made from high-quality tin-plated electrolytic copper for maximum protection against corrosion
- The hard-soldered crimp zone enables maximum conductor pull-out values and optimum contact properties
- For optimum crimping, the CRIMPFOX-RC ... tools from our CRIMPFOX crimping pliers range are available to you





Conductor cross sections from 0.5 to 240 mm²

EAC

Technical data

General data

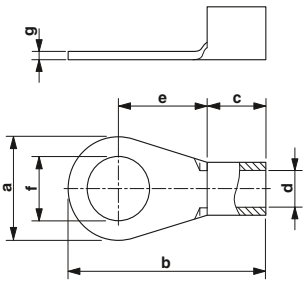
Material / coating		Copper / tin-plated
Temperature range	[°C]	... 110

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Ring cable lug, uninsulated, in accordance with DIN 46234													
	0.5 - 1	20 - 18	silver	6.00	14.00	5.00	1.60	6.00	2.80	0.80	C-RC 1/M2,5 DIN	3240069	100
	0.5 - 1	20 - 18	silver	6.00	14.00	5.00	1.60	6.00	3.20	0.80	C-RC 1/M3 DIN	3240070	100
	0.5 - 1	20 - 18	silver	6.00	14.00	5.00	1.60	6.00	3.70	0.80	C-RC 1/M3,5 DIN	3240071	100
	0.5 - 1	20 - 18	silver	8.00	16.00	5.00	1.60	7.00	4.30	0.80	C-RC 1/M4 DIN	3240072	100
	0.5 - 1	20 - 18	silver	10.00	18.00	5.00	1.60	8.00	5.30	0.80	C-RC 1/M5 DIN	3240073	100
	0.5 - 1	20 - 18	silver	10.00	18.00	5.00	1.60	8.00	6.50	0.80	C-RC 1/M6 DIN	3240074	100
	0.5 - 1	20 - 18	silver	11.60	22.00	5.00	1.60	12.00	8.40	0.80	C-RC 1/M8 DIN	3240075	100
	1 - 2.5	18 - 14	silver	6.00	14.00	5.00	2.30	6.00	3.20	0.80	C-RC 2,5/M3 DIN	3240076	100
	1 - 2.5	18 - 14	silver	6.00	14.00	5.00	2.30	6.00	3.70	0.80	C-RC 2,5/M3,5 DIN	3240077	100
	1 - 2.5	18 - 14	silver	8.00	16.00	5.00	2.30	7.00	4.30	0.80	C-RC 2,5/M4 DIN	3240078	100
	1 - 2.5	18 - 14	silver	10.00	19.00	5.00	2.30	9.00	5.30	0.80	C-RC 2,5/M5 DIN	3240079	100
	1 - 2.5	18 - 14	silver	11.00	21.50	5.00	2.30	11.00	6.50	0.80	C-RC 2,5/M6 DIN	3240080	100
	1 - 2.5	18 - 14	silver	14.00	24.00	5.00	2.30	12.00	8.40	0.80	C-RC 2,5/M8 DIN	3240081	100
	1 - 2.5	18 - 14	silver	14.00	25.40	5.00	2.30	12.00	10.50	0.80	C-RC 2,5/M10 DIN	3240082	100
	2.6 - 6	12 - 10	silver	8.00	17.50	6.00	3.60	8.00	4.30	1.00	C-RC 6/M4 DIN	3240083	50
	2.6 - 6	12 - 10	silver	10.00	20.00	6.00	3.60	9.00	5.30	1.00	C-RC 6/M5 DIN	3240084	50
	2.6 - 6	12 - 10	silver	11.00	22.00	6.00	3.60	10.00	6.50	1.00	C-RC 6/M6 DIN	3240085	50
	2.6 - 6	12 - 10	silver	14.00	26.00	6.00	3.60	13.00	8.40	1.00	C-RC 6/M8 DIN	3240086	50
	2.6 - 6	12 - 10	silver	18.00	30.00	6.00	3.60	15.00	10.50	1.00	C-RC 6/M10 DIN	3240087	50
	2.6 - 6	12 - 10	silver	18.00	35.50	6.00	3.60	15.00	13.00	1.00	C-RC 6/M12 DIN	3240088	50
	- 10	- 8	silver	10.00	21.00	8.00	4.50	8.00	5.30	1.10	C-RC 10/M5 DIN	3240089	100
	- 10	- 8	silver	11.00	23.00	8.00	4.50	9.00	6.50	1.10	C-RC 10/M6 DIN	3240090	100
	- 10	- 8	silver	14.00	27.00	8.00	4.50	12.00	8.40	1.10	C-RC 10/M8 DIN	3240091	100
	- 10	- 8	silver	18.00	30.00	8.00	4.50	13.00	10.50	1.10	C-RC 10/M10 DIN	3240092	100
	- 10	- 8	silver	22.00	34.00	8.00	4.50	15.00	13.00	1.10	C-RC 10/M12 DIN	3240093	100
	- 16	- 6	silver	11.00	26.00	10.00	5.80	10.00	5.30	1.10	C-RC 16/M5 DIN	3240094	100
	- 16	- 6	silver	11.00	26.00	10.00	5.80	10.00	6.50	1.20	C-RC 16/M6 DIN	3240095	100
	- 16	- 6	silver	14.00	29.00	10.00	5.80	12.00	8.40	1.20	C-RC 16/M8 DIN	3240096	100
	- 16	- 6	silver	18.00	33.00	10.00	5.80	14.00	10.50	1.20	C-RC 16/M10 DIN	3240097	100
	- 16	- 6	silver	22.00	37.00	10.00	5.80	16.00	13.00	1.20	C-RC 16/M12 DIN	3240098	100
	- 25	- 4	silver	12.00	31.00	11.00	7.50	14.00	5.30	1.50	C-RC 25/M5 DIN	3240099	100
	- 25	- 4	silver	12.00	31.00	11.00	7.50	14.00	6.50	1.50	C-RC 25/M6 DIN	3240100	100
	- 25	- 4	silver	16.00	33.00	11.00	7.50	14.00	8.40	1.50	C-RC 25/M8 DIN	3240101	100
	- 25	- 4	silver	18.00	35.00	11.00	7.50	15.00	10.50	1.50	C-RC 25/M10 DIN	3240102	100
	- 25	- 4	silver	31.00	42.00	11.00	7.50	20.00	13.00	1.50	C-RC 25/M12 DIN	3240103	100
	- 25	- 4	silver	35.00	49.00	11.00	7.50	25.00	17.00	1.50	C-RC 25/M16 DIN	3240104	100
	- 35	- 2	silver	15.00	34.00	12.00	9.00	14.00	6.50	1.60	C-RC 35/M6 DIN	3240105	100
	- 35	- 2	silver	16.00	34.00	12.00	9.00	14.00	8.40	1.60	C-RC 35/M8 DIN	3240106	100
	- 35	- 2	silver	18.00	36.00	12.00	9.00	15.00	10.50	1.60	C-RC 35/M10 DIN	3240107	100
	- 35	- 2	silver	22.00	42.00	12.00	9.00	19.00	13.00	1.60	C-RC 35/M12 DIN	3240108	100
	- 35	- 2	silver	28.00	50.00	12.00	9.00	24.00	17.00	1.60	C-RC 35/M16 DIN	3240109	100
	- 50	- 1/0	silver	18.00	43.00	16.00	11.00	18.00	6.50	1.80	C-RC 50/M6 DIN	3240110	100
	- 50	- 1/0	silver	18.00	43.00	16.00	11.00	18.00	8.40	1.80	C-RC 50/M8 DIN	3240111	100
	- 50	- 1/0	silver	18.00	43.00	16.00	11.00	18.00	10.50	1.80	C-RC 50/M10 DIN	3240112	100
	- 50	- 1/0	silver	22.00	47.00	16.00	11.00	20.00	13.00	1.80	C-RC 50/M12 DIN	3240113	100
	- 50	- 1/0	silver	28.00	54.00	16.00	11.00	24.00	17.00	1.80	C-RC 50/M16 DIN	3240114	100
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	6.50	2.00	C-RC 70/M6 DIN	3240115	100
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	8.40	2.00	C-RC 70/M8 DIN	3240116	100
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	10.50	2.00	C-RC 70/M10 DIN	3240117	100
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	13.00	2.00	C-RC 70/M12 DIN	3240118	100
	- 70	- 2/0	silver	28.00	56.00	18.00	13.00	24.00	17.00	2.00	C-RC 70/M16 DIN	3240119	100

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Ring cable lugs, uninsulated





Conductor cross sections from 0.5 to 240 mm²

EAC

Technical data

General data	
Material / coating	Copper / tin-plated
Temperature range [°C]	... 110

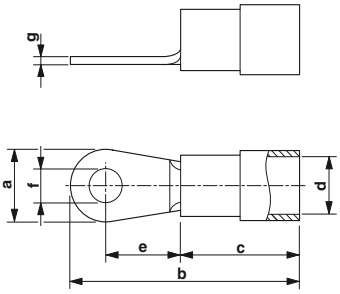
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
	95	3/0	silver	24.00	54.00	20.00	15.00	22.00	8.40	2.50	**C-RC 95/M8 DIN**	3240120	50
	95	3/0	silver	24.00	54.00	20.00	15.00	22.00	10.50	2.50	**C-RC 95/M10 DIN**	3240121	50
	95	3/0	silver	24.00	54.00	20.00	15.00	22.00	13.00	2.50	**C-RC 95/M12 DIN**	3240122	50
	95	3/0	silver	28.00	58.00	20.00	15.00	24.00	17.00	2.50	**C-RC 95/M16 DIN**	3240123	50
	120	250	silver	24.00	56.00	22.00	16.50	22.00	8.40	3.00	**C-RC 120/M8 DIN**	3240124	25
	120	250	silver	24.00	56.00	22.00	16.50	22.00	10.50	3.00	**C-RC 120/M10 DIN**	3240125	25
	120	250	silver	24.00	56.00	22.00	16.50	22.00	13.00	3.00	**C-RC 120/M12 DIN**	3240126	25
	150	300	silver	30.00	65.00	24.00	19.00	26.00	10.50	3.20	**C-RC 150/M10 DIN**	3240128	25
	150	300	silver	30.00	65.00	24.00	19.00	26.00	13.00	3.20	**C-RC 150/M12 DIN**	3240129	25
	150	300	silver	30.00	65.00	24.00	19.00	26.00	17.00	3.20	**C-RC 150/M16 DIN**	3240130	25
	185	350	silver	36.00	74.00	28.00	21.00	22.00	10.50	3.50	**C-RC 185/M10 DIN**	3240131	20
	185	350	silver	36.00	74.00	28.00	21.00	22.00	13.00	3.50	**C-RC 185/M12 DIN**	3240132	20
	185	350	silver	36.00	74.00	28.00	21.00	22.00	17.00	3.50	**C-RC 185/M16 DIN**	3240133	20
	240	500	silver	38.00	75.00	32.00	23.50	24.00	10.50	4.00	**C-RC 240/M10 DIN**	3240134	10
	240	500	silver	38.00	75.00	32.00	23.50	24.00	13.00	4.00	**C-RC 240/M12 DIN**	3240135	10
	240	500	silver	38.00	75.00	32.00	23.50	24.00	17.00	4.00	**C-RC 240/M16 DIN**	3240136	10

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Ring cable lugs, insulated

- The hard-soldered crimping area guarantees the best mechanical properties and permits horizontal or even vertical crimping
- The sleeves taper conically. This enables easy and correct conductor insertion





Conductor cross sections from 0.5 to 10 mm²

EAC

Technical data

General data	
Material / coating	Copper / tin-plated
Plastic sleeve material	Polyamide / halogen-free
Temperature range [°C]	-20 ... 105
Flammability rating in accordance with UL 94	V2

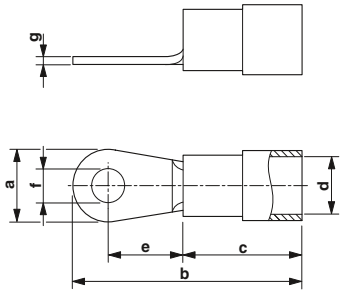
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Ring cable lug, insulated, in accordance with UL													
	0.5 - 1.5	20 - 16	red	5.50	17.50	10.50	4.10	4.30	3.20	0.75	**C-RCI 1,5/M3**	3240016	100
	0.5 - 1.5	20 - 16	red	5.50	17.50	10.50	4.10	4.30	3.70	0.75	**C-RCI 1,5/M3,5**	3240017	100
	0.5 - 1.5	20 - 16	red	8.00	21.70	10.50	4.10	7.30	4.30	0.75	**C-RCI 1,5/M4**	3240018	100
	0.5 - 1.5	20 - 16	red	8.00	21.70	10.50	4.10	7.30	5.30	0.75	**C-RCI 1,5/M5**	3240019	100
	0.5 - 1.5	20 - 16	red	11.60	27.60	10.50	4.10	11.20	6.50	0.75	**C-RCI 1,5/M6**	3240020	100
	1.5 - 2.5	16 - 14	blue	6.60	20.60	11.00	4.50	7.80	3.20	0.80	**C-RCI 2,5/M3**	3240021	100
	1.5 - 2.5	16 - 14	blue	6.60	20.60	11.00	4.50	6.30	3.70	0.80	**C-RCI 2,5/M3,5**	3240022	100
	1.5 - 2.5	16 - 14	blue	8.50	23.00	11.00	4.50	7.80	4.30	0.80	**C-RCI 2,5/M4**	3240023	100
	1.5 - 2.5	16 - 14	blue	9.50	23.00	11.00	4.50	7.30	5.30	0.80	**C-RCI 2,5/M5**	3240024	100
	1.5 - 2.5	16 - 14	blue	12.00	28.10	11.00	4.50	11.00	6.50	0.80	**C-RCI 2,5/M6**	3240025	50
	1.5 - 2.5	16 - 14	blue	12.00	28.10	11.00	4.50	11.00	8.50	0.80	**C-RCI 2,5/M8**	3240026	50
	4 - 6	12 - 10	yellow	9.50	26.70	14.00	6.60	8.00	4.30	1.00	**C-RCI 6/M4**	3240027	50
	4 - 6	12 - 10	yellow	9.50	26.70	14.00	6.60	8.00	5.30	1.00	**C-RCI 6/M5**	3240028	50
	4 - 6	12 - 10	yellow	12.00	32.70	14.00	6.60	12.70	6.50	1.00	**C-RCI 6/M6**	3240029	25
	4 - 6	12 - 10	yellow	15.00	34.90	14.00	6.60	13.40	8.50	1.00	**C-RCI 6/M8**	3240030	25
	4 - 6	12 - 10	yellow	15.00	34.90	14.00	6.60	13.40	10.50	1.00	**C-RCI 6/M10**	3240031	25
	- 10	- 8	red	10.00	31.30	16.00	7.50	10.90	5.30	1.10	**C-RCI 10/M5**	3240219	50
	- 10	- 8	red	11.00	31.30	16.00	7.50	19.30	6.50	1.10	**C-RCI 10/M6**	3240220	50
	- 10	- 8	red	14.00	37.30	16.00	7.50	13.80	8.40	1.10	**C-RCI 10/M8**	3240221	50
	- 10	- 8	red	18.00	37.30	16.00	7.50	13.80	10.50	1.10	**C-RCI 10/M10**	3240222	50

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Ring cable lugs, insulated with additional crimp zone for conductor insulation

– The C-RCEI series is equipped with an additional crimp zone for conductor insulation
– The conductor and insulation are crimped together, thereby increasing the vibration resistance and tensile strength
– The sleeves taper conically. This enables easy and correct conductor insertion





Conductor cross sections from 0.5 to 6 mm²

Technical data

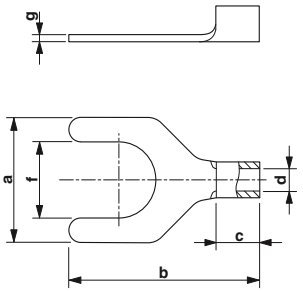
General data		
Material / coating		Copper / tin-plated
Plastic sleeve material		Polyamide / halogen-free
Temperature range	[°C]	-20 ... 105
Flammability rating in accordance with UL 94		V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Ring cable lug, insulated, with additional crimp zone for conductor insulation													
	0.5 - 1.5	20 - 16	red	5.50	17.70	11.00	4.10	4.00	3.20	0.75	**C-RCEI 1,5/M3**	3241201	100
	0.5 - 1.5	20 - 16	red	6.60	20.60	11.00	4.10	6.30	3.70	0.75	**C-RCEI 1,5/M3,5**	3241202	100
	0.5 - 1.5	20 - 16	red	8.00	22.00	11.00	4.10	7.00	4.30	0.75	**C-RCEI 1,5/M4**	3241203	100
	0.5 - 1.5	20 - 16	red	8.00	22.00	11.00	4.10	7.00	5.30	0.75	**C-RCEI 1,5/M5**	3241204	100
	0.5 - 1.5	20 - 16	red	11.60	27.80	11.00	4.10	11.10	6.50	0.75	**C-RCEI 1,5/M6**	3241205	100
	1.5 - 2.5	16 - 14	blue	6.60	20.50	11.00	4.50	6.30	3.70	0.80	**C-RCEI 2,5/M3,5**	3241206	100
	1.5 - 2.5	16 - 14	blue	8.50	23.00	11.00	4.50	7.80	4.30	0.80	**C-RCEI 2,5/M4**	3241207	100
	1.5 - 2.5	16 - 14	blue	9.50	23.00	11.00	4.50	7.30	5.30	0.80	**C-RCEI 2,5/M5**	3241208	100
	1.5 - 2.5	16 - 14	blue	12.00	28.00	11.00	4.50	11.00	6.50	0.80	**C-RCEI 2,5/M6**	3241209	100
	1.5 - 2.5	16 - 14	blue	12.00	28.00	11.00	4.50	11.00	8.40	0.80	**C-RCEI 2,5/M8**	3241210	100
	4 - 6	12 - 10	yellow	9.50	26.00	13.00	6.50	8.30	5.30	1.00	**C-RCEI 6/M5**	3241211	100
	4 - 6	12 - 10	yellow	12.00	29.50	13.00	6.50	10.50	6.50	1.00	**C-RCEI 6/M6**	3241212	100
	4 - 6	12 - 10	yellow	15.00	34.20	13.00	6.50	13.70	8.40	1.00	**C-RCEI 6/M8**	3241213	100
	4 - 6	12 - 10	yellow	15.00	34.20	13.00	6.50	13.70	10.50	1.00	**C-RCEI 6/M10**	3241214	100

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Fork-type cable lugs, uninsulated





Conductor cross sections from 0.5 to 6 mm²

– The fork-type cable lugs without plastic sleeve feature a hard-soldered neck. In conjunction with the CRIMPFOX-RC ... range of pliers they can be used to achieve maximum conductor pull-out forces
– They consist of high-quality electrolytic copper with galvanic tin plating for maximum corrosion protection

EAC

Technical data

General data

Material / coating		Copper / tin-plated
Temperature range	[°C]	... 110

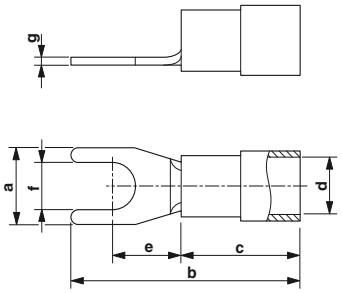
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Fork-type cable lug, uninsulated, in accordance with DIN 46234													
	0.5 - 1.5	20 - 16	silver	5.70	16.00	4.50	1.90	7.20	3.20	0.75	**C-FC 1,5/M3**	3240137	100
	0.5 - 1.5	20 - 16	silver	6.20	16.00	4.50	1.90	7.20	3.70	0.75	**C-FC 1,5/M3,5**	3240138	100
	0.5 - 1.5	20 - 16	silver	7.20	16.00	4.50	1.90	7.20	4.30	0.75	**C-FC 1,5/M4**	3240139	100
	0.5 - 1.5	20 - 16	silver	8.00	16.00	4.50	1.90	6.50	5.30	0.75	**C-FC 1,5/M5**	3240140	100
	0.5 - 1.5	20 - 16	silver	10.70	17.00	4.50	1.90	8.00	6.40	0.80	**C-FC 1,5/M6**	3240141	100
	1.5 - 2.5	16 - 14	silver	5.70	16.00	4.80	2.50	6.50	3.20	0.80	**C-FC 2,5/M3**	3240142	100
	1.5 - 2.5	16 - 14	silver	6.20	16.00	4.80	2.50	6.50	3.70	0.80	**C-FC 2,5/M3,5**	3240143	100
	1.5 - 2.5	16 - 14	silver	7.20	16.00	4.80	2.50	6.50	4.30	0.80	**C-FC 2,5/M4**	3240144	100
	1.5 - 2.5	16 - 14	silver	8.00	16.00	4.80	2.50	6.50	5.30	0.80	**C-FC 2,5/M5**	3240145	100
	1.5 - 2.5	16 - 14	silver	10.70	17.00	4.80	2.50	7.60	6.40	0.80	**C-FC 2,5/M6**	3240146	100
	1.5 - 2.5	16 - 14	silver	13.50	22.10	4.80	2.50	7.60	8.40	0.80	**C-FC 2,5/M8**	3240147	100
	2.6 - 6	12 - 10	silver	8.20	19.50	6.50	3.60	7.50	4.30	1.00	**C-FC 6/M4**	3240148	50
	2.6 - 6	12 - 10	silver	9.00	19.50	6.50	3.60	8.00	5.30	1.00	**C-FC 6/M5**	3240149	50
	2.6 - 6	12 - 10	silver	12.00	23.10	6.50	3.60	9.50	6.40	1.00	**C-FC 6/M6**	3240150	50
	2.6 - 6	12 - 10	silver	13.50	25.00	6.50	3.60	12.00	8.40	1.00	**C-FC 6/M8**	3240151	50

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Fork-type cable lugs, insulated

- The hard-soldered crimping area guarantees the best mechanical properties and permits horizontal or even vertical crimping
- The insulated versions are halogen-free and feature “EASY ENTRY” technology





Conductor cross sections from 0.5 to 6 mm²

EAC

Technical data

General data	
Material / coating	Copper / tin-plated
Plastic sleeve material	Polyamide / halogen-free
Temperature range [°C]	-20 ... 105
Flammability rating in accordance with UL 94	V2

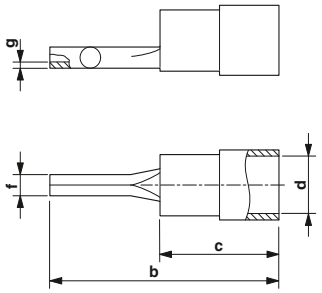
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Fork-type cable lug, insulated, in accordance with UL													
	0.5 - 1.5	20 - 16	red	5.70	22.00	10.50	4.10	7.20	3.20	0.75	**C-FCI 1,5/M3**	3240032	100
	0.5 - 1.5	20 - 16	red	5.70	22.00	10.50	4.10	7.20	3.70	0.75	**C-FCI 1,5/M3,5**	3240033	100
	0.5 - 1.5	20 - 16	red	7.20	22.00	10.50	4.10	7.20	4.30	0.75	**C-FCI 1,5/M4**	3240034	100
	0.5 - 1.5	20 - 16	red	8.00	22.00	10.50	4.10	6.50	5.30	0.75	**C-FCI 1,5/M5**	3240035	100
	0.5 - 1.5	20 - 16	red	10.70	22.00	10.50	4.10	8.00	6.50	0.75	**C-FCI 1,5/M6**	3240036	100
	1.5 - 2.5	16 - 14	blue	5.70	22.50	11.00	4.50	6.50	3.20	0.80	**C-FCI 2,5/M3**	3240037	100
	1.5 - 2.5	16 - 14	blue	5.70	22.50	11.00	4.50	6.50	3.70	0.80	**C-FCI 2,5/M3,5**	3240038	100
	1.5 - 2.5	16 - 14	blue	7.20	22.50	11.00	4.50	6.50	4.30	0.80	**C-FCI 2,5/M4**	3240039	100
	1.5 - 2.5	16 - 14	blue	8.00	22.50	11.00	4.50	6.50	5.30	0.80	**C-FCI 2,5/M5**	3240040	50
	1.5 - 2.5	16 - 14	blue	10.70	22.50	11.00	4.50	7.60	6.50	0.80	**C-FCI 2,5/M6**	3240041	50
	4 - 6	12 - 10	yellow	8.20	26.70	14.00	6.60	7.50	4.30	1.00	**C-FCI 6/M4**	3240042	50
	4 - 6	12 - 10	yellow	9.00	26.70	14.00	6.60	8.00	5.30	1.00	**C-FCI 6/M5**	3240043	50
	4 - 6	12 - 10	yellow	12.00	30.30	14.00	6.60	9.90	6.50	1.00	**C-FCI 6/M6**	3240044	25
	4 - 6	12 - 10	yellow	13.50	32.80	14.00	6.60	11.50	8.50	1.00	**C-FCI 6/M8**	3240045	25

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Pin cable lugs, insulated

The key features of the insulated pin cable lugs with plastic collars are as follows:
– "EASY ENTRY" for easy and reliable conductor entry
– Hard-soldered crimping zone for maximum pull-out forces
– Electrolytic tin plating
– Halogen-free





Conductor cross sections from 0.5 to 6 mm²

EAC

Technical data

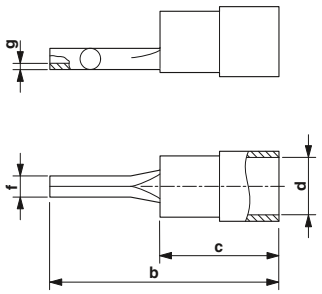
General data	
Material / coating	Copper / tin-plated
Plastic sleeve material	Polyamide / halogen-free
Temperature range [°C]	-20 ... 105
Flammability rating in accordance with UL 94	V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Pin cable lug, insulated, in accordance with UL													
	0.5 - 1.5	20 - 16	red	-	22.50	10.50	4.10	-	2.00	0.75	**C-PCI 1,5/2**	3240064	100
	1.5 - 2.5	16 - 14	blue	-	23.00	11.00	4.50	-	2.00	0.80	**C-PCI 2,5/2**	3240066	100
	4 - 6	12 - 10	yellow	-	27.50	14.00	6.60	-	2.70	0.80	**C-PCI 6/2,7**	3240068	50

Pin cable lugs, insulated with additional crimp zone for conductor insulation

The key features of the insulated pin cable lugs with plastic collars are as follows:
– "EASY ENTRY" for easy and reliable conductor entry
– Hard-soldered crimping zone for maximum pull-out forces
– Electrolytic tin plating
– Halogen-free
– The conductor and insulation are crimped together, thereby increasing the vibration resistance and tensile strength





Conductor cross sections from 0.5 to 6 mm²

EAC

Technical data

General data	
Material / coating	Copper / tin-plated
Plastic sleeve material	Polyamide / halogen-free
Temperature range [°C]	-20 ... 105
Flammability rating in accordance with UL 94	V2

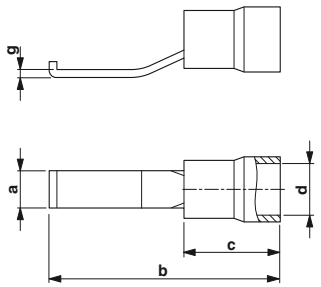
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Pin cable lug, insulated, with additional crimp zone for conductor insulation													
	0.5 - 1.5	20 - 16	red	-	23.50	11.00	4.10	-	1.90	0.75	**C-PCEI 1,5/2**	3241215	100
	1.5 - 2.5	16 - 14	blue	-	23.50	11.00	4.50	-	1.90	0.80	**C-PCEI 2,5/2**	3241216	100
	4 - 6	12 - 10	yellow	-	26.70	13.00	6.50	-	2.80	0.80	**C-PCEI 6/2**	3241217	100

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Flat pin cable lugs with hooks, insulated

The key features of the flat pin cable lugs with plastic collars are as follows:
– "EASY ENTRY" for easy and reliable conductor entry
– Electrolytic tin plating
– Halogen-free
– For horizontal and vertical crimping with CRIMPFOX-RCI 6





Conductor cross sections from 0.5 to 6 mm²

Technical data

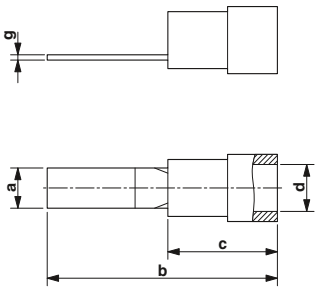
General data	
Material / coating	Copper / tin-plated
Plastic sleeve material	Polyamide / halogen-free
Temperature range [°C]	-20 ... 105
Flammability rating in accordance with UL 94	V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Flat pin cable lug, insulated													
	0.5 - 1.5	20 - 16	red	2.80	28.00	10.50	4.00	-	-	0.80	**C-BCI 1,5/2,8**	3240015	100
	0.5 - 1.5	20 - 16	red	4.60	28.00	10.50	4.00	-	-	0.80	**C-BCI 1,5/4,6**	3240568	100
	1.5 - 2.5	16 - 14	blue	2.80	28.50	11.00	4.50	-	-	0.80	**C-BCI 2,5/2,8**	3240046	100
	1.5 - 2.5	16 - 14	blue	4.60	28.50	11.00	4.50	-	-	0.80	**C-BCI 2,5/4,6**	3240569	100
	4 - 6	12 - 10	yellow	2.80	32.00	14.00	6.50	-	-	0.80	**C-BCI 6/2,8**	3240047	50
	4 - 6	12 - 10	yellow	4.60	32.00	14.00	6.50	-	-	1.00	**C-BCI 6/4,6**	3240570	50

Flat pin cable lugs, straight, insulated

– "EASY ENTRY" for easy and reliable conductor entry
– Hard-soldered crimping zone for maximum conductor pull-out force in connection with CRIMPFOX RCI ... pliers
– Electrogalvanized
– Halogen-free





Conductor cross sections from 0.5 to 6 mm²

Technical data

General data	
Material / coating	CU / electrogalvanized
Plastic sleeve material	Polyamide / halogen-free
Temperature range [°C]	-20 ... 105
Flammability rating in accordance with UL 94	V2

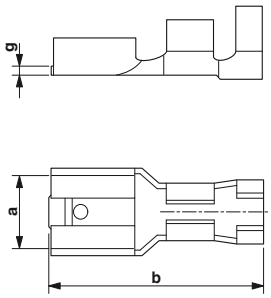
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Flat pin cable lug, insulated, pin dimensions:													
19.5 x 2.8 mm	0.5 - 1.5	20 - 16	red	2.80	19.50	10.50	4.10	-	-	0.75	**C-BCSI 1,5/9X2,8**	3240531	100
20 x 2.8 mm	1.5 - 2.5	16 - 14	blue	2.80	20.00	11.00	4.50	-	-	0.80	**C-BCSI 2,5/9X2,8**	3240532	100
32 x 4.5 mm	4 - 6	12 - 10	yellow	2.80	24.00	14.00	6.60	-	-	1.00	**C-BCSI 6/10X2,8**	3240546	100
24 x 2.8 mm	4 - 6	12 - 10	yellow	4.50	32.00	14.00	6.60	-	-	1.00	**C-BCSI 6/18X4,5**	3240533	50

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Slip-on sleeves and flat connectors, uninsulated

– The uninsulated slip-on sleeves and slip-on blade connectors are made from electrolytically tin-plated brass, thereby offering a high degree of protection against corrosion
– The crimp area has grooves, these improve the electrical and mechanical properties
– Halogen-free





Conductor cross sections from 0.5 to 6 mm²

EAC

Technical data

General data		
Material / coating		Brass / tin-plated
Temperature range	[°C]	... 110

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Slip-on sleeve, uninsulated, in accordance with DIN 46247													
	0.5 - 1	20 - 18	silver	2.80	12.50	-	-	-	-	0.30	**C-SCF 1/2,8X0,8**	3240153	100
	0.5 - 1.5	20 - 16	silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 1,5/4,8X0,5**	3240154	100
	0.5 - 1.5	20 - 16	silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 1,5/4,8X0,8**	3240155	100
	0.5 - 1.5	20 - 16	silver	6.30	19.20	-	-	-	-	0.40	**C-SCF 1,5/6,3X0,8**	3240156	100
	1.5 - 2.5	16 - 14	silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 2,5/4,8X0,5**	3240157	100
	1.5 - 2.5	16 - 14	silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 2,5/4,8X0,8**	3240158	100
	1.5 - 2.5	16 - 14	silver	6.30	19.20	-	-	-	-	0.40	**C-SCF 2,5/6,3X0,8**	3240159	100
	4 - 6	12 - 10	silver	6.30	19.20	-	-	-	-	0.40	**C-SCF 6/6,3X0,8**	3240160	100
Flat connector, uninsulated, in accordance with DIN 46248													
	0.5 - 1.5	20 - 16	silver	6.30	20.00	-	-	-	-	0.80	**C-SCM 1,5/6,3X0,8**	3240161	100
	1.5 - 2.5	16 - 14	silver	6.30	20.00	-	-	-	-	0.80	**C-SCM 2,5/6,3X0,8**	3240162	100

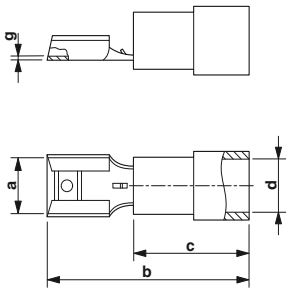
Accessories

Insulating ferrule, as touch proofness and insulation for slip-on sleeves				
For 2.8 mm slip-on sleeves	transparent	**PT/FS 2,8**	1406700	500
For 4.8 mm slip-on sleeves	transparent	**PT/FS 4,8**	1670497	25
For 6.3 mm slip-on sleeves	transparent	**PT/FS 6,3**	0604707	500

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Slip-on sleeves and flat connectors, insulated

The key features of the insulated flat connectors and slip-on sleeves with plastic collars are as follows:
– "EASY ENTRY" for easy and reliable conductor entry
– Hard-soldered crimping zone for maximum pull-out forces
– Electrolytic tin plating
– Halogen-free





Conductor cross sections from 0.5 to 6 mm²

EAC

Technical data

General data	
Material / coating	Brass / tin-plated
Plastic sleeve material	Polyamide / halogen-free
Temperature range [°C]	-20 ... 105
Flammability rating in accordance with UL 94	V2

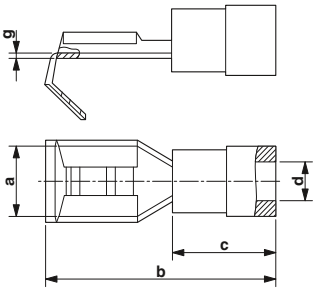
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Slip-on sleeve, insulated, in accordance with UL													
	0.5 - 1.5	20 - 16	red	2.80	18.50	10.50	4.10	-	-	0.25	**C-SCFI 1,5/2,8X0,5**	3240048	100
	0.5 - 1.5	20 - 16	red	2.80	18.50	10.50	4.10	-	-	0.25	**C-SCFI 1,5/2,8X0,8**	3240049	100
	0.5 - 1.5	20 - 16	red	4.80	19.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/4,8X0,5**	3240050	100
	0.5 - 1.5	20 - 16	red	4.80	19.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/4,8X0,8**	3240051	100
	0.5 - 1.5	20 - 16	red	6.30	21.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/6,3X0,8**	3240052	100
	1.5 - 2.5	16 - 14	blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/4,8X0,5**	3240053	50
	1.5 - 2.5	16 - 14	blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/4,8X0,8**	3240054	50
	1.5 - 2.5	16 - 14	blue	6.30	22.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/6,3X0,8**	3240055	50
	4 - 6	12 - 10	yellow	6.30	25.00	14.00	6.60	-	-	0.40	**C-SCFI 6/6,3X0,8**	3240056	50
Slip-on blade connector, insulated, in accordance with UL													
	0.5 - 1.5	20 - 16	red	6.30	22.00	10.50	4.10	-	-	0.80	**C-SCMI 1,5/6,3X0,8**	3240058	100
	1.5 - 2.5	16 - 14	blue	6.30	22.50	11.00	4.50	-	-	0.80	**C-SCMI 2,5/6,3X0,8**	3240059	50
	4 - 6	12 - 10	yellow	6.30	24.50	14.00	6.60	-	-	0.80	**C-SCMI 6/6,3X0,8**	3240060	50

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Slip-on distributor, insulated

– "EASY ENTRY" for easy and reliable conductor entry
– Electrogalvanized
– Halogen-free





Conductor cross sections from 0.5 to 2.5 mm²

EAC

Technical data

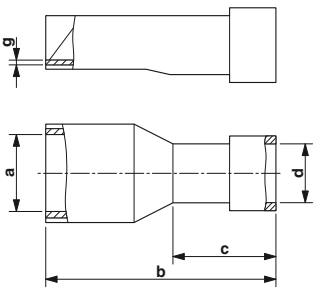
General data		
Material / coating		Brass / electrogalvanized
Plastic sleeve material		Polyamide / halogen-free
Temperature range	[°C]	-20 ... 105
Flammability rating in accordance with UL 94		V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Slip-on distributor, insulated, for 6.3 x 0.8 mm connectors and sleeves													
	0.5 - 1.5	20 - 16	red	6.30	22.50	10.50	41.00	-	-	0.40	**C-SCFMI 1,5/6,3X0,8**	3240529	50
	1.5 - 2.5	16 - 14	blue	6.30	23.00	11.00	11.00	-	-	0.40	**C-SCFMI 2,5/6,3X0,8**	3240530	50

Slip-on sleeves, fully insulated

– "EASY ENTRY" for easy and reliable conductor entry
– Electrogalvanized
– Halogen-free





Conductor cross sections from 0.5 to 6 mm²

EAC

Technical data

General data		
Material / coating		Brass / electrogalvanized
Plastic sleeve material		Polyamide / halogen-free
Temperature range	[°C]	-20 ... 105

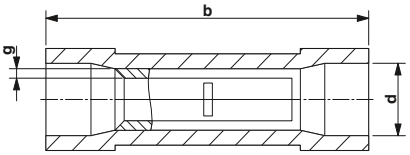
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Slip-on sleeve, for connectors:													
2.8 x 0.5 mm	0.5 - 1.5	20 - 16	red	2.80	19.00	10.50	4.30	-	-	0.25	**C-SCFFI 1,5/2,8X0,5**	3240534	50
2.8 x 0.8 mm	0.5 - 1.5	20 - 16	red	2.80	19.00	10.50	4.30	-	-	0.25	**C-SCFFI 1,5/2,8X0,8**	3240535	50
4.8 x 0.5 mm	0.5 - 1.5	20 - 16	red	4.80	19.50	10.50	4.30	-	-	0.40	**C-SCFFI 1,5/4,8X0,5**	3240536	50
4.8 x 0.8 mm	0.5 - 1.5	20 - 16	red	4.80	19.50	10.50	4.30	-	-	0.40	**C-SCFFI 1,5/4,8X0,8**	3240537	50
6.3 x 0.8 mm	0.5 - 1.5	20 - 16	red	6.30	21.50	10.50	4.30	-	-	0.40	**C-SCFFI 1,5/6,3X0,8**	3240538	50
4.8 x 0.5 mm	1.5 - 2.5	16 - 14	blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFFI 2,5/4,8X0,5**	3240539	50
4.8 x 0.8 mm	1.5 - 2.5	16 - 14	blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFFI 2,5/4,8X0,8**	3240540	50
6.3 x 0.8 mm	1.5 - 2.5	16 - 14	blue	6.30	22.00	11.00	5.00	-	-	0.40	**C-SCFFI 2,5/6,3X0,8**	3240547	25
6.3 x 0.8 mm	4 - 6	12 - 10	yellow	6.30	26.00	14.00	6.60	-	-	0.40	**C-SCFFI 6/6,3X0,8**	3240541	25

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Butt connector, fully insulated

- Conductor through connection protection
- They are electrolytically galvanized for optimum corrosion protection
- Halogen-free





Conductor cross sections from 0.5 to 6 mm²

EAC

Technical data

General data		
Material / coating		CU / electrogalvanized
Plastic sleeve material		Polyamide / halogen-free
Temperature range	[°C]	-20 ... 105
Flammability rating in accordance with UL 94		V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Butt connector, insulated													
	0.5 - 1.5	20 - 16	red	-	25.00	-	4.00	-	-	0.75	**C-JCI 1,5**	3240061	50
	1.5 - 2.5	16 - 14	blue	-	25.30	-	4.50	-	-	0.80	**C-JCI 2,5**	3240062	50
	4 - 6	12 - 10	yellow	-	27.50	-	6.50	-	-	1.00	**C-JCI 6**	3240063	25

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Automatic devices – TOOL fox

Phoenix Contact offers a comprehensive range of innovative automatic tools for flexible and fast processing of conductors and cables where various steps can be automated.

A combination of functionality, quality, and short setup times guarantees high levels of flexibility while ensuring excellent results every time. The TOOL fox range comprises devices for cutting, stripping, and crimping conductors and cables.

Product range overview

Automatic devices	**504**
Automatic cutting device for conductors and cables	**506**
Stripping machine	**507**
Pneumatic crimping pliers	**508**
Portable crimping machine for ferrules, cable lugs, and connectors	**510**
CRIMPHANDY portable hand-held machine	**512**
Portable stripping and crimping machine for taped products	**514**
Ferrules with plastic collar, taped	**515**
Stripping and crimping machine for bulk goods	**516**

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Automatic stripping



Automatic crimping



Automatic stripping and crimping in a single operation

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The CUTFOX 10 automatic cutting device cuts conductors and cables with a cross section of up to 10 mm². Rigid and flexible conductors can be cut to length with millimeter precision. The length and number of cuts are entered via the user-friendly display. The CUTFOX 10 automatically adapts to the diameter when there is a change in material.



The WF 1000 stripping machine enables the automatic stripping of conductors up to 6 mm² or cables with diameters up to 6 mm. Partial removal of the insulation is possible.

The stripping dimensions are set individually via rotary buttons. They are shown on the display.



The Crimphandy is a portable hand-held device for stripping and crimping conductors and ferrules in one step. Automatic monitoring functions ensure permanent, high-quality crimping.



The CF 500 crimping device is characterized by its high press capacity in a compact design as well as its high degree of flexibility. Thanks to the interchangeable dies, it is suitable among other things for insulated cable lugs, tubular and crimping cable lugs, slip-on sleeves, and ferrules up to 50 mm².



The CF 3000-2,5 stripping and crimping device processes ferrules with insulating collars in accordance with DIN 46228-4 and UL 486F. This device allows conductors with a cross section range of 0.25 - 2.5 mm² to be stripped and fitted with ferrules in one operation. The automatic device can be adapted to various cross sections in under a minute.



The CF 1000 stripping and crimping device processes loose ferrules (bulk goods) with insulating collars in accordance with DIN 46228-4 and UL 486F. These automatic devices allow conductors to be stripped and fitted with ferrules in one operation.

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Automatic cutting device for conductors and cables



- The automatic cutting device can be used to cut conductors, cables, and similar profiles
- It impresses with its easy handling and enables materials to be changed in a matter of seconds
- The desired length and number of cuts can be specified in a user-friendly way via the display
- The drive and measurement rolls automatically adjust to each inserted diameter
- Additional inputs and settings are not necessary
- High length accuracy, thanks to separate measuring and transport roll
- Light weight enables mobile use



Notes:

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.



Conductor cross sections from 0.08 to 10 mm²

Technical data

Dimensions		Width	Length	Height
	[mm]	**194**	**301**	**228**

General data		
Weight	[kg]	11
Power consumption	[VA]	150
Cutting efficiency		
Finely stranded	[mm²]	0.08 - 10
Solid strand	[mm²]	0.08 - 2.5
Max. throughput	[mm]	8
Cross section setting		automatic
Maximum number of cuts	[Pcs.]	9999
Length	[mm]	2 mm ... 999999 mm
Feed rate	[m/s]	0.5
Unit of measurement		mm/inch
Dialog language		German / English / French / Italian

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Automatic cutting device, 100 - 240 V/50 - 60 Hz version, for conductors and cables with a diameter of up to 8 mm, rigid (up to 2.5 mm²) and flexible (up to 10 mm²)	**CUTFOX 10**	1206829	1

Accessories

Cable unwinders, for CUTFOX 10, for accommodating and unwinding cable rings and coils in a coordinated way, complete	**CUTFOX 10 C-UN**	1208393	1
Turntable, for CUTFOX 10 cable unwinders, for accommodating cable rings and cable coils	**CUTFOX 10 R-C**	1208403	1
Retaining bolts, for CUTFOX 10 rotary table, 4 pcs.	**CUTFOX 10 BAR**	1208416	1
Replacement drive rollers, for CUTFOX 10, 2 pcs.	**CF-10 WHEEL SET**	1207271	1
Replacement blade set, for CUTFOX 10	**CF-10 CUTTER KNIFE SET**	1207284	1
Drive rollers for CUTFOX 10, 2 pcs., with PU tread, for sensitive cables/conductors	**CF-10 WHEEL SET PU**	1200098	1
Drive rollers for CUTFOX 10, 2 pcs., with hardened, finely knurled steel tread, for very hard insulation and materials.	**CF-10 WHEEL SET STEEL**	1200099	1

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Stripping machine



- This compact stripping machine automatically insulates conductors with a cross section of 0.08 to 6 mm²
- Multi-strand cables with a diameter of up to 6 mm are also stripped
- Partial stripping is supported
- Special insulations such as PTFE and silicon can be stripped, in addition to standard insulations
- The clamping force automatically adjusts itself to the required extraction force, this reduces/prevents pressure points on sensitive insulation
- The stripping dimensions are set individually via rotary buttons. They are shown on the clear display

Notes:

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.



Conductor cross sections from 0.08 to 6 mm²

Technical data

Dimensions		Width	Length	Height
	[mm]	**141**	**363**	**221**
General data				
Weight	[kg]	9.5		
Power consumption	[VA]	160		
Working cycle	[s]	0.3		
Stripping power				
Finely stranded	[mm²]	0.08 - 6		
Stripping length	[mm]	2-20		
Partial stripping length	[mm]	2-20		
Max. throughput	[mm]	6		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping machine, 230 V/50 Hz version, for conductors and cables, rigid and flexible 0.08 - 6 mm² (maximum Ø 6 mm), with integrated graphic display	**WF 1000**	1212149	1
Stripping machine, 120 V/60 Hz version, for conductors and cables, rigid and flexible 0.08 - 6 mm² (maximum Ø 6 mm), with integrated graphic display	**WF 1000 120V**	1212258	1

Accessories

Replacement stripping blade, for WF 1000	**WF 1000/SB**	1212279	1
Actuation button for WF 1000	**WF 1000/TR**	1212416	1
Replacement receptacle tray, for WF 1000	**WF 1000/COV**	1212417	1

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Pneumatic crimping pliers

– These crimping pliers are pneumatic tools for ferrules in accordance with DIN 46228-1/-4 and UL 486F with a cross section range of 0.25 to 10 mm².
– The perfect alternative to the hand pliers, which protects joints and tendons. They are light, easy to handle, and perfect for control cabinet manufacturing.
– The ZAP...T table models are designed for work at the workbench and are equipped with a foot switch. This keeps both hands free for equipping the conductor.



Conductor cross sections from 0.25 to 2.5 mm²



Conductor cross sections from 0.25 to 4 mm²

Technical data

Dimensions		Width	Length	Height
	[mm]	**44**	**200**	**44**
General data				
Weight	[kg]	0.4		
Conductor	[mm²] / AWG	0.25 - 2.5 / 24 - 14		
Pressure range	[bar]	4 - 6		
Air consumption per compression	[l]	0.2		
Crimping		Trapezoidal		

Technical data

		Width	Length	Height
	[mm]	**44**	**200**	**44**
General data				
Weight	[kg]	0.4		
Conductor	[mm²] / AWG	0.25 - 4 / 24 - 12		
Pressure range	[bar]	4 - 6		
Air consumption per compression	[l]	0.2		
Crimping		Trapezoidal		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Pneumatic crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486 F, universal die, lateral and front entry	**ZAP 25**	1203110	1
Pneumatic crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486 F, three marked die stations, lateral entry			
Pneumatic crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486 F, three marked die stations, lateral entry			
Pneumatic crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486 F, universal die, lateral and front entry, with foot switch and table clamp			
Pneumatic crimping pliers, for ferrules in accordance with DIN 46228-1/-4 and UL 486 F, universal die, lateral and front entry, with foot switch and table clamp			

Ordering data

Type	Order No.	Pcs./Pkt.
ZAP 40	1212630	1

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Conductor cross sections
from 4 to 10 mm²

EAC

Technical data		
Width	Length	Height
44	**200**	**44**
0.4		
4 - 10 / 12 - 8		
4 - 6		
0.2		
Trapezoidal		

Ordering data		
Type	**Order No.**	Pcs./Pkt.
ZAP 100	1203259	1



Conductor cross sections
from 0.25 to 2.5 mm²

EAC

Technical data		
Width	Length	Height
140	**200**	**70**
1		
0.25 - 2.5 / 24 - 14		
4 - 6		
0.2		
Trapezoidal		

Ordering data		
Type	**Order No.**	Pcs./Pkt.
ZAP 25 T	1203123	1



Conductor cross sections
from 4 to 10 mm²

EAC

Technical data		
Width	Length	Height
140	**200**	**70**
1		
4 - 10 / 12 - 8		
4 - 6		
0.2		
Trapezoidal		

Ordering data		
Type	**Order No.**	Pcs./Pkt.
ZAP 100 T	1203262	1

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Portable crimping machine for ferrules, cable lugs, and connectors



A key feature of the CF 500 is its easy handling and high degree of flexibility.

A huge range of different contact types can be processed with this crimping device. Positioning aids make it easier to crimp the contacts.

– The crimp inserts can be changed quickly and easily in a matter of seconds
– The carrier handle means that it is also suitable for mobile use
– The crimping procedure is activated via a foot switch. This keeps both hands free for equipping the conductors with the appropriate contacts
– The contact is fixed in place before the crimping procedure via an additional two-stage operating mode. This makes it easier to process crimp contacts and prevents incorrect crimping
– The A ... and AI ... ferrules in accordance with UL 486F are UL-certified when used in combination with the CF 500 and corresponding dies. For further information, visit www.phoenixcontact.com.

Notes:

Further dies and accessories, as well as technical data, can be found at phoenixcontact.net/products

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.



Connectors up to 50 mm²

EAC

Technical data

Dimensions		Width	Length	Height
	[mm]	**140**	**220**	**320**
General data				
Weight	[kg]	10		
Power consumption	[VA]	160		
Pressure	[kN]	10		
Working cycle	[s]	1		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping device, 230 V/50 Hz version, with quantity counter and foot switch	**CF 500-230V**	1208348	1
Crimping device, 120 V/60 Hz version, with quantity counter and foot switch	**CF 500-120V**	1208351	1

Accessories

CF 500 protective cover, without recess (for all dies without assignment)	**CF 500/COV**	1212250	1
For ferrules of up to 6 mm² (AI 6...)	**CF 500/COV AI 6**	1212254	1
For TWIN ferrules (AI–TWIN...)	**CF 500/COV AI TWIN**	1212266	1
For insulated cable lugs (RCI..., TC4)	**CF 500/COV RCI**	1212255	1
For uninsulated cable lugs 0.5 - 10 mm² (RC...FC...)	**CF 500/COV RC 10**	1212252	1
For uninsulated cable lugs and tubular cable lugs 0.34 - 2.5 mm² (RC...,FC...)	**CF 500/COV RCT 4**	1212253	1
For slip-on sleeves and flat connectors SC 1,5... and SC 6...	**CF 500/COV SC**	1212251	1
For FBS ... plug-in bridges	**CF 500/COV FBS**	1212462	1
CF 500 Locator, for slip-on sleeves (SCF...), 0.1 - 1.5 mm², width: 2.8 mm, length: 5 mm	**CF 500/LOC SCF 2,8/1,5**	1212249	1
For slip-on sleeves (SCF...), width: 4.8 mm, 0.5 - 2.5 mm²	**CF 500/LOC SCF 4,8/2,5**	1212248	1
For slip-on sleeves (SCF...) width: 6.3 mm, 0.5 - 6 mm²	**CF 500/LOC SCF 6,3/6**	1212247	1
For slip-on sleeves (SCM...), width: 6.3 mm, 0.5 - 2.5 mm²	**CF 500/LOC SCM 6,3/2,5**	1212264	1
For slip-on sleeves (SCM...), width: 6.3 mm, 1.5 - 6 mm²	**CF 500/LOC SCM 6,3/6**	1212265	1

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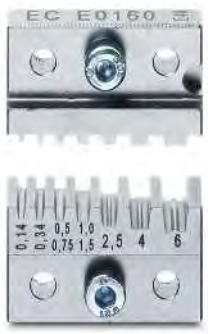
Dies for CF 500 crimping machine



The large number of crimping dies makes the CF 500 an all-rounder.

– In addition to the standard dies, there are special dies, that, among other things, enable assembly of the FBS ...-4, FBS ...-5, FBS ...-6 or FBS ...-8 plug-in bridges from the CLIPLINE complete system
– If the dies you require are not listed, please contact us





CF 500 die, conductor cross section 0.14 - 6 mm²

EAC

Ordering data

Description		Type	Order No.	Pcs./Pkt.
CF 500 die, For ferrules (A... and AI...) 0.14 - 6 mm²		**CF 500/DIE AI 6**	1212238	1
For ferrules (A... and AI...) 10, 16 and 25 mm²		**CF 500/DIE AI 25**	1212239	1
For ferrules (A... and AI...) 35 and 50 mm²		**CF 500/DIE AI 50**	1212261	1
For TWIN ferrules (AI-TWIN...) 2 x 4, 2 x 6 and 2 x 10 mm²		**CF 500/DIE AI-TWIN 10**	1212262	1
for TWIN ferrules (AI-TWIN ...) 2 x 6, 2 x 10 and 2 x 16 mm²		**CF 500/DIE AI-TWIN 16**	1200299	1
CF 500 die For insulated cable lugs (RCI... and FCI...) 0.14 - 1,5 mm²		**CF 500/DIE RCI 1,5**	1212263	1
For insulated cable lugs (RCI... and FCI...) 0.5 - 6 mm²		**CF 500/DIE RCI 6**	1212240	1
For insulated cable lugs (RCI... and FCI...) 0.5 - 6 mm² (asymmetrical crushing mold)		**CF 500/DIE RCI 6-1**	1212691	1
For cable lugs (RC... and FC...) 0.5 - 10 mm²		**CF 500/DIE RC 10**	1212244	1
For cable lugs (RC... and FC...) 16 mm²		**CF 500/DIE RC 16**	1212257	1
CF 500 die For slip-on sleeves and flat connectors (SCF... and SCM...) 0.1 - 1.5 mm²		**CF 500/DIE SC 1,5**	1212241	1
For slip-on sleeves and flat connectors (SCF... and SCM...) 0.5 - 6 mm²		**CF 500/DIE SC 6**	1212242	1
CF 500 die For turned contacts with pin diameters of 2.5 and 4.0 mm (CK 2,5..., CK 4,0) 0.5 - 4 mm²		**CF 500/DIE TC 4**	1212237	1
For turned contacts (CK 4,0) 6 - 10 mm²		**CF 500/DIE TC 10**	1212260	1
CF 500 die, for MC 4 solar contacts, 2.5 - 6 mm²		**CF 500/DIE SR 6-2**	1212692	1
CF 500 die, for uninsulated cable lugs (RC...,FC...) and tubular cable lugs 0.34 - 4 mm²				
For tube lugs 0.34 - 2.5 mm²	silver	**CF 500/DIE RCT 4**	1212243	1
For standard tubular cable lugs 4 - 10 mm², **4 mm²:** outside Ø 5 mm, inside Ø 3 mm, **6 mm²:** outside Ø 6.5 mm, inside Ø 3.5 mm, **10 mm²:** outside Ø 7 mm, inside Ø 4.5 mm	silver	**CF 500/DIE RCT 10-1**	1212245	1
For tube lugs 4 - 10 mm², **4 mm²:** outside Ø 5 mm, inside Ø 3 mm, **6 mm²:** outside Ø 5.5 mm, inside Ø 3.8 mm, **10 mm²:** outside Ø 6 mm, inside Ø 4.5 mm	silver	**CF 500/DIE RCT 10-2**	1212246	1
For tube lugs 4 - 10 mm², **4 mm²:** outside Ø 5 mm, inside Ø 3 mm, **6 mm²:** outside Ø 6 mm, inside Ø 4 mm, **10 mm²:** outside Ø 8 mm, inside Ø 5 mm	silver	**CF 500/DIE RCT 10-3**	1212256	1
CF 500 die, for assembling FBS ... plug-in bridges				
For FBS ...-4 to -8 plug-in bridges		**CF 500/DIE FBS**	1212461	1

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CRIMPHANDY, portable crimping device



The CRIMPHANDY represents innovation for switchgear manufacturing. You can strip and crimp your conductors in under two seconds, using this portable hand-held device. That's 75% less time than before.

– The CRIMPHANDY impresses with its easy, effortless handling, which helps protect your joints and tendons
– The compact light weight is ideal for mobile use in the field. Up to 2000 crimping operations can be performed, thanks to the high-performance lithium-ion polymer battery
– Automatic cross section monitoring prevents faulty crimping as a result of incorrect conductor sizes
– The cutting unit provides a convenient option of cutting the conductors to length right at the device
– The AI...S ferrules in accordance with UL 486F are UL-certified when used in combination with the CF CRIMPHANDY



Notes:

[1]) These color and/or length variants of ferrules are currently not included in DIN 46228-4 and UL 486F, and are therefore not UL-certified. As of 11/2018.
Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.





Conductor cross section 0.5 mm²

Technical data

Dimensions		Width	Length	Height
	[mm]	**43**	**205**	**70**
General data				
Weight	[kg]	0.43		
Conductor	[mm²] / AWG	- 0.5 / -		
Working cycle	[s]	< 2		
Insertion length	[mm]	> 32 mm		
Crimping		Square crimp		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Mobile crimping device, battery-powered, for processing taped ferrules with function end, incl. battery, charger (100 - 240 V), CUTFOX 12 cable cutter, service tool for troubleshooting and one strip of ferrules, packaged in a robust case suitable for standard PVC conductors (H05VK, H07VK class 5)	**CF CRIMPHANDY 0,5**	**1212463**	1

Accessories

Taped ferrules, with function end, 8 mm, with plastic sleeve, in accordance with DIN 46228-4 and UL 486F, UL and CSA-certified, 50 pieces per strip, 20 strips per unit pack			
in accordance with DIN 46228-4, UL 486F, and NFC 63-023 Special color[1])	**AI 0,5-8 WH-S** **AI 0,5-8 OG-S**	**1212521** **1212784**	1000 1000
in accordance with DIN 46228-4 and UL 486F Special color[1])			
in accordance with NFC 63-023[1])			
in accordance with DIN 46228-4, UL 486F, and NFC 63-023 Special color[1])			
in accordance with DIN 46228-4, UL 486F, and NFC 63-023 Special color[1])			
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.68 Ah	**CF CRIMPHANDY/ACCU**	**1212518**	1
Replacement waste guide plate 1, for CF CRIMPHANDY...	**CF CRIMPHANDY/GP1**	**1212514**	1
Replacement waste guide plate 2, for CF CRIMPHANDY 0,5 for CF CRIMPHANDY 0,75 for CF CRIMPHANDY 1,0 for CF CRIMPHANDY 1,5	**CF CRIMPHANDY 0,5/GP2**	**1212515**	1
Replacement service tool, for rectifying malfunctions for CF CRIMPHANDY 0,5 for CF CRIMPHANDY 0,75 for CF CRIMPHANDY 1,0 for CF CRIMPHANDY 1,5	**CF CRIMPHANDY 0,5/SERVICE-TOOL**	**1212787**	1
Cutting unit, for CF CRIMPHANDY, for copper wires from 0.5 - 1.5 mm², incl. receptacle tray	**CF CRIMPHANDY CUTTER**	**1212520**	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	**1212519**	1

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Conductor cross section 0.75 mm²



Conductor cross section 1.0 mm²



Conductor cross section 1.5 mm²

EAC

Technical data

Width	Length	Height
43	**205**	**70**

0.43
- 0.75 / -
< 2
> 32 mm
Square crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CF CRIMPHANDY 0,75	1212464	1

Accessories

AI 0,75- 8 GY-S	1212522	1000
AI 0,75- 8 WH-S	1212783	1000
AI 0,75- 8 BU-S	1212785	1000
CF CRIMPHANDY/ACCU	1212518	1
CF CRIMPHANDY/GP1	1212514	1
CF CRIMPHANDY 0,75/GP2	1212516	1
CF CRIMPHANDY 0,75/SERVICE-TOOL	1212786	1
CF CRIMPHANDY CUTTER	1212520	1
CF CRIMPHANDY/CHARGER	1212519	1

EAC

Technical data

Width	Length	Height
43	**205**	**70**

0.43
- 1 / -
< 2
> 32 mm
Square crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CF CRIMPHANDY 1,0	1212465	1

Accessories

AI 1,0-8 RD-S	1212523	1000
AI 1,0-8 YE-S	1212782	1000
CF CRIMPHANDY/ACCU	1212518	1
CF CRIMPHANDY/GP1	1212514	1
CF CRIMPHANDY 1,0/GP2	1212517	1
CF CRIMPHANDY 1,0/SERVICE-TOOL	1212759	1
CF CRIMPHANDY CUTTER	1212520	1
CF CRIMPHANDY/CHARGER	1212519	1

EAC

Technical data

Width	Length	Height
43	**205**	**70**

0.43
- 1.5 / -
< 2
> 32 mm
Square crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CF CRIMPHANDY 1,5	1212466	1

Accessories

AI 1,5-8 BK-S	1212524	1000
AI 1,5-8 RD-S	1212781	1000
CF CRIMPHANDY/ACCU	1212518	1
CF CRIMPHANDY/GP1	1212514	1
CF CRIMPHANDY 1,5/GP2	1212844	1
CF CRIMPHANDY 1,5/SERVICE-TOOL	1212708	1
CF CRIMPHANDY CUTTER	1212520	1
CF CRIMPHANDY/CHARGER	1212519	1

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Portable automatic stripping and crimping device for taped products



- The compact stripping and crimping device can be used to process taped ferrules with insulating collars in accordance with DIN 46228-4 / UL 486F
- Up to 1000 conductors are processed per hour
- The conductor is stripped in a single operation and is crimped with a ferrule to a high standard of quality
- Particularly suitable for pre-assembling conductors
- Thanks to its compact and lightweight design, it can also be used as a portable solution for transport between different work locations
- The automatic device can be adapted to various cross sections in under a minute
- Color coding in accordance with ferrule standard DIN 46228-4 / UL 486F makes the assignment of modification components really clear
- The AI ...-B ferrules in accordance with UL 486F are UL-certified when used in combination with the CF 3000-2,5. For further information, visit www.phoenixcontact.com

Notes:

[1]) Depends on the characteristics of the conductor material and insulation material.

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.





Conductor cross sections from 0.25 to 2.5 mm²

EAC

Technical data

Dimensions		Width	Length	Height
	[mm]	**165**	**320**	**300**
General data				
Weight	[kg]	12		
Area of application				
Conductor	[mm²] / AWG	0.25 - 2.5 / 24 - 14		
Power consumption	[VA]	80		
Working cycle	[s]	1.2		
Insertion length	[mm]	> 49 mm		
Crimping		Trapezoidal		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping and crimping device, 230 V version, for taped insulated ferrules 0.25 - 2.5 mm², sleeve length 8 mm, incl. conversion kits 0.5 - 2.5 mm²[1])	**CF 3000-2,5**	**1205477**	1
Stripping and crimping device, 120 V version, for taped insulated ferrules 0.25 - 2.5 mm², sleeve length 8 mm, incl. conversion kits 0.5 - 2.5 mm²[1])	**CF 3000-2,5 120V**	**1205516**	1

Accessories

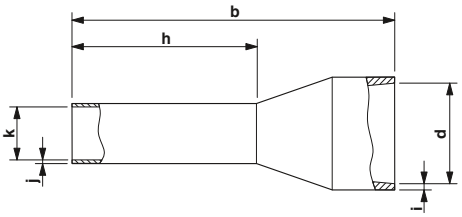
Extension kit, complete, for CF 3000, for taped insulated ferrules, 0.25/0.34 mm², sleeve length 8 mm[1])	**CF 3000-TOOLKIT 0,25**	**1212376**	1
Replacement locator,			
0.25 mm²	**CF 3000 LOC 0,25**	**1212377**	1
0.5 mm²	**CF 3000 LOC 0,5**	**1205639**	1
0.75 mm²	**CF 3000 LOC 0,75**	**1205642**	1
1.0 mm²	**CF 3000 LOC 1,0**	**1205655**	1
1.5 mm²	**CF 3000 LOC 1,5**	**1205668**	1
2.5 mm²	**CF 3000 LOC 2,5**	**1205671**	1
Replacement blade, 0.25 mm², adjustable			
0.25 mm², adjustable	**CF 3000 AB 0,25**	**1212380**	1
0.5 mm²	**CF 3000 AM 0,5**	**1205587**	1
0.75 mm²	**CF 3000 AM 0,75**	**1205590**	1
1.0 mm²	**CF 3000 AM 1,0**	**1205600**	1
1.5 mm²	**CF 3000 AM 1,5**	**1205613**	1
2.5 mm²	**CF 3000 AM 2,5**	**1205626**	1

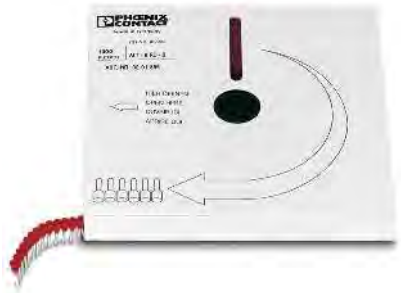


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Ferrules with plastic sleeve, taped, for the CF 3000-2,5 crimping machine

- The taped ferrules have been developed specifically for the CF 3000-2,5 crimping machine
- UL and CSA-certified
- Available in the main color codes up to 2.5 mm²
- The ferrules correspond to the requirements of DIN 46228-4 and UL 486F
- Can be used to wire all terminal blocks, especially those of the CLIPLINE complete system





Conductor cross sections from 0.25 to 8 mm²

Notes:

[1]) These color and/or length variants of ferrules are currently not included in DIN 46228-4 and UL 486F, and are therefore not UL-certified. As of 11/2018. Up-to-date information on certification can be found under UL file E488001 at www.UL.com or at phoenixcontact.com.

Technical data

General data	
Material / coating	CU-DHP / tin-plated (galvanic)
Plastic sleeve material	Polypropylene / free from silicone and halogen
Long/short-term temperature	105°C (-40°C no load / 0°C dynamic load) / 120°C

Ordering data

Description	Cross section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Taped ferrules, 8 mm, with plastic sleeve,UL and CSA-certified, color code in accordance with DIN 46228-4													
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH-B**	3201369	1000
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY-B**	3201372	1000
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD-B**	3201385	1000
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK-B**	3201398	1000
	2.5[1])	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU-B**	3201408	500
Taped ferrules, with plastic sleeve, color code in accordance with NFC 63-023: 1994-02, CSA-certified													
	0.75[1])	18	blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU-B**	3201547	1000
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH-B**	3201369	1000
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD-B**	3201385	1000
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK-B**	3201398	1000
	2.5[1])	14	gray	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 GY-B**	3201550	500
Taped ferrules, 8 mm, with plastic sleeve, CSA-certified, special color code													
	0.25[1])	24	yellow	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,25-8 YE-B**	3240251	1000
	0.25[1])	24	blue	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,25-8 BU-B**	3240250	1000
	0.34[1])	22	turquoise	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,34-8 TQ-B**	3240249	1000
	0.5[1])	20	orange	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 OG-B**	3201563	1000
	0.75[1])	18	white	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 WH-B**	3201576	1000
	1[1])	18	yellow	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 YE-B**	3201589	1000
	1.5[1])	16	red	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 RD-B**	3201592	1000

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Stripping and crimping device for loose ferrules



The stripping and crimping device can be used to process loose ferrules from 0.25 to 4 mm² with insulating collars in accordance with DIN 46228-4 / UL 486F.
The optimized sensor technology has improved the processing of small cross sections.

- The conductor is stripped and crimped with a ferrule to a high standard of quality in a single step, which enables up to 1000 conductors to be processed per hour
- With the integrated counter, you get an overview of the quantities
- The pull-out forces conform to the requirements of EC/EN 60999, IEC/EN 60947, and UL 486F
- The press unit is switched off at the touch of a button so that the CF 1000 can be used as a stripping machine
- A cross section change can be carried out in just a few steps without any need for tools. The sleeve length can be easily set with a screwdriver. Additional settings are not necessary. You can order additional feeder bowls as accessories for an even faster cross section change
- Robust design, suitable for industrial bulk processing
- High reliability, thanks to maintenance and wear-free components
- The AI ... ferrules in accordance with UL 486F are UL-certified when used in combination with the CF 1000-1,5. For further information, visit www.phoenixcontact.com

Notes:

Accessories and replacement parts for older device versions can be found at phoenixcontact.net/products.

[1]) Depends on the characteristics of the conductor material and insulation material.





Conductor cross sections from 0.25 to 4 mm²

Technical data

Dimensions		Width	Length	Height
	[mm]	**250**	**550**	**412**

General data		
Weight	[kg]	29
Power supply	[V]	100 ... 240, 50 Hz ... 60 Hz
Pressure range	[bar]	5 - 6
Air consumption per compression	[l]	1.2
Working cycle	[s]	1.3
Insertion length	[mm]	> 32 mm
Crimping		Trapezoidal

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping and crimping device, 100 - 240 V version, electro-pneumatic, for loose ferrules with insulating collar, 0.25 - 4 mm², incl. conversion kits 0.5 - 1.5 mm² (sleeve length 6 - 12 mm)[1])	**CF 1000-1,5**	1208199	1

Accessories

Extension kit, complete, for CF 1000, for loose ferrules with insulating collar, from serial number 160637			
0.25/0.34 mm², sleeve length 6 and 8 mm[1])	**CF 1000-TOOLKIT 0,34/6-8**	1208226	1
2.5 mm², sleeve length 6 to 12 mm	**CF 1000-TOOLKIT 2,5/6-12**	1208242	1
4 mm², sleeve length 10 mm	**CF 1000-TOOLKIT 4,0/10**	1208271	1
Replacement blade, V-form, for CF 1000			
0.25 to 2.5 mm²	**CF 1000 EM**	1205215	1
4 mm²	**CF 1000 EM4,0**	1212663	1
Extension components for processing AI...GB sleeves and conductors with thicker insulation. (from device serial number 160637)			
Separation plate, for AI...GB, 0.5 to 1.5 mm²	**CF 1000 VEP1,5 GB**	1206901	1
Locator, for AI...GB 0.5 mm² sleeves	**CF 1000 LOC0,5 GB**	1212907	1
for AI...GB 0.75 mm² sleeves	**CF 1000 LOC0,75 GB**	1212908	1
for AI...GB 1.0 mm² sleeves	**CF 1000 LOC1,0 GB**	1212909	1
for AI...GB 1.5 mm² sleeves	**CF 1000 LOC1,5 GB**	1212910	1
Replacement feeder bowl, for CF 1000-1,5			
0.25 - 0.34 mm² sleeves	**CF 1000 SORT0,34**	1206890	1
0.50 - 1.5 mm² sleeves	**CF 1000 SORT1,5**	1204326	1
2.5 and 4.0 mm² sleeves	**CF 1000 SORT4,0**	1206887	1

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Stripping and crimping device for loose ferrules



The CF 1000-10 processes loose ferrules from 4 ... 10 mm² with plastic collars in accordance with DIN 46228-4 / UL 486F

– The conductor is stripped and crimped with a ferrule to a high standard of quality in a single step, which enables up to 1000 conductors to be processed per hour
– With the integrated counter, you get an overview of the quantities
– A cross section change can be carried out in just a few steps without any need for tools. The sleeve length can be easily set with a screwdriver. Additional settings are not necessary. You can order additional feeder bowls as accessories for an even faster cross section change
– The extraction forces conform to the requirements of IEC/EN 60999 and IEC/EN 60947
– The AI ... ferrules in accordance with UL 486F are UL-certified when used in combination with the CF 1000-10. For further information, visit www.phoenixcontact.com

Notes:

For ferrules for our CF 1000..., refer to the hand tools section starting on page 480.



Conductor cross section of 4 / 6 / 10 mm²

EAC

Technical data

Dimensions		Width	Length	Height
	[mm]	**250**	**550**	**412**
General data				
Weight	[kg]	29		
Power supply	[V]	100 ... 240, 50 Hz ... 60 Hz		
Pressure range	[bar]	5 - 6		
Air consumption per compression	[l]	1.2		
Working cycle	[s]	1.5		
Insertion length	[mm]	> 40 mm		
Crimping		Trapezoidal		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping and crimping machine, 100 - 240 V version, electro-pneumatic, for loose ferrules with insulating collar, 4 mm², 6 mm², and 10 mm² (sleeve lengths 10 - 12 mm), without conversion kit	**CF 1000-10**	1212456	1

Accessories

Conversion kit, complete, for CF 1000-10, for loose ferrules with insulating collar			
4 mm², sleeve length 10 - 12 mm	**CF 1000-10-TOOLKIT 4/10-12**	1212458	1
6 mm², sleeve length 12 mm	**CF 1000-10-TOOLKIT 6/12**	1212459	1
10 mm², sleeve length 12 mm	**CF 1000-10-TOOLKIT 10/12**	1212460	1
Replacement blade, V-form, for CF 1000-10			
4 mm²	**CF 1000 EM4,0**	1212663	1
6 mm²	**CF 1000-10 EM6,0**	1212664	1
10 mm²	**CF 1000-10 EM10**	1212665	1

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Installation and mounting material – CABINET add-on

The CABINET add-on range includes mounting material as well as mounting equipment and additional control cabinet components.

By using suitable tools and control cabinet components, switching devices and control cabinets can be implemented in a way that saves both time and space. We offer a comprehensive range of products for this.

DIN rails and end brackets, for example, ensure the secure attachment of electrical connecting elements and components inside the control cabinet. Additional safety is ensured by cover profiles, while shield clamps enable EMC-compliant wiring. We also offer a comprehensive selection of cable protection systems and cable ducts right through to cable ties for every application.

The CLIPSAFE housing range also provides comprehensive protection for your applications in industrial environments and in process technology. On request, empty enclosures can be supplied ready equipped with terminal blocks and cable glands.

The housings are supplied with corresponding equipment approval for use in potentially explosive areas. Our worldwide sales network provides professional customer support and short delivery times.

Product range overview

Component mounting

NS 15, NS 35, and NS 32 DIN rails	**522**
End brackets for DIN rails	**538**
Marking for terminal strips	**540**
Brackets for fixing DIN rails	**544**
Adapters and support bracket	**545**
Covering hoods	**546**

Busbars

Neutral busbar	**552**
Connection terminal blocks for busbars	**554**

Connection terminal blocks and sockets

Europe connectors	**556**
Junction box connectors	**560**
Sockets	**562**

Shielding

Shield connection clamps	**568**
Support brackets	**570**

Cable management

Cable routing	**578**
Cable ducts	**579**
Cable clamps for DIN rail	**583**

Cable protection

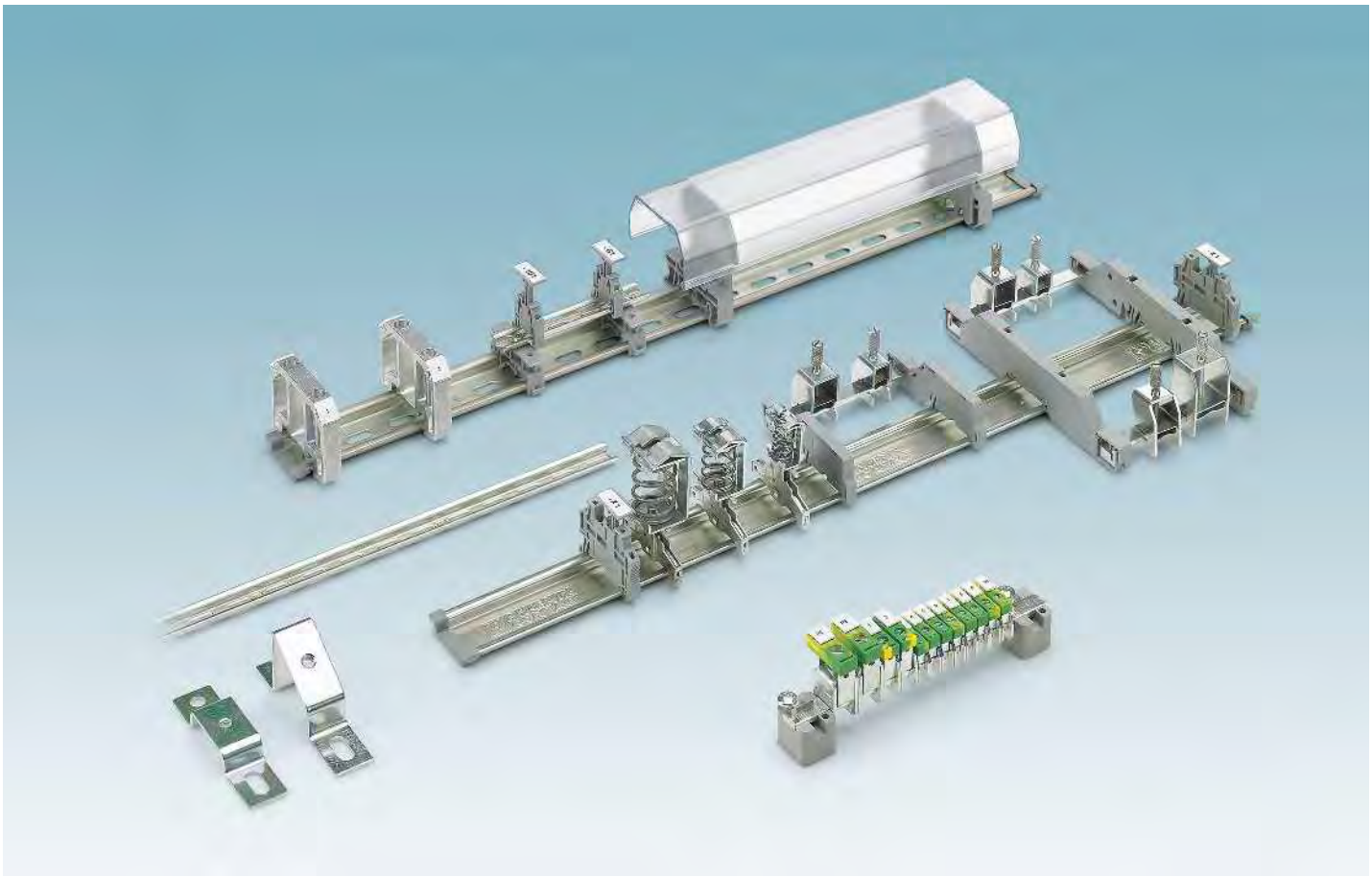
Protective hoses and screw connections	**584**
Accessories	**602**

Cable bundling

Cable ties	**608**

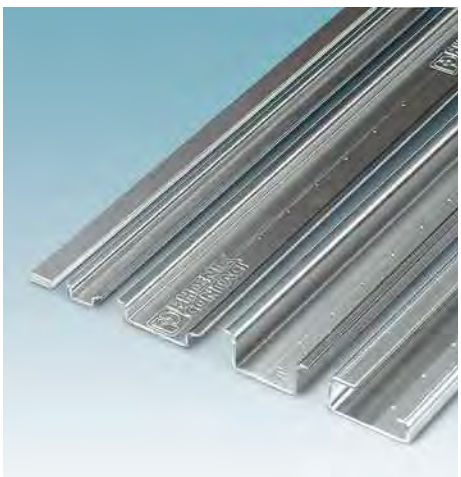
CLIPSAFE junction boxes and empty enclosures	**624**
Ex stainless steel empty enclosures	**626**
Ex polyester empty enclosures	**636**
Polyester empty enclosures	**644**
ABS terminal boxes	**646**
Ex cable glands	**650**

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Sockets that can be mounted on DIN rails serve for easy connection of electrical auxiliary devices for assembly, testing, lighting, etc. They enable worldwide use in switchgear, control cabinets, and in simple sub-distributions. Use in all parts of the world makes it essential to offer the sockets with pin connector patterns that are standard in each country, in accordance with the currently applicable standards and regulations.

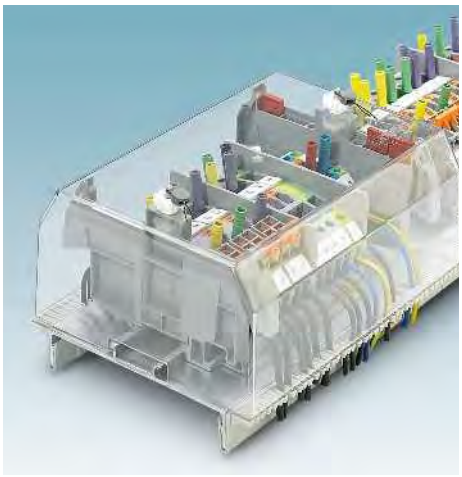


The standard DIN rail is a core product in the control cabinet. In addition to standard profiles such as NS 15 and NS 35 rails, our portfolio also includes special profiles, various materials, and surface finishes to meet a wide range of requirements.



The shield clamps from the SK ... and SKS ... series excel, thanks to simple mounting, as well as the busbar right on the mounting plate. The cables and conductors can be easily connected by means of screw or spring connection.

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The cover profiles are used to cover live parts. They also prevent unintended actuation of terminal points or disconnect terminal blocks.



When used in conjunction with the various standard DIN rails, the end brackets ensure that the components remain securely attached to the rails. A comprehensive range of end brackets is available for specific applications.



Phoenix Contact offers various connection terminal blocks, branch terminals, and feed-in terminals for busbars with corresponding accessories.



The Europe connectors are available in various versions and sizes. Wire protection. The individual positions can be separated easily by twisting – no tools necessary. The Push-in connection technology of the junction box connector series makes it easy to insert rigid conductors or conductors with ferrules into the terminal point. Low insertion forces and high pull-out forces ensure a secure connection.



The broad spectrum of wiring channels enables a flexible, optimum use of the space available in your control cabinet. A T-connection or cross connection is established through a simple, burr-free break out of the lateral bridges.



The protective hoses, made from plastic-coated spring steel, steel, and stainless steel provide optimum protection in the respective area of use. Countless accessories, such as cable glands and strain relief, enable easy, secure latching.

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DIN rails NS 15, flat design



- The design of the DIN rails complies with European standard EN 60715
- High degree of dimensional accuracy and surface finish
- All DIN rails are also available cut to length

The DIN rails are available in various materials and surface coatings:

- Zinc plated, for indoor applications
- White passivated, for indoor applications
- Galvanized and white passivated (also referred to as thin layer passivated or blue passivated), for indoor applications
- Zinc plated and thick layer passivated, for indoor and protected outdoor applications
- Copper and aluminum; as a result of their improved conductivity, these versions can also be used as PEN busbars
- Stainless steel, for indoor and outdoor applications, plus can also be used in aggressive environments

Notes:

For dimensional drawings and ordering examples, see page 537.

For PPS ... DIN rail profile cutters, see page 400

[1]) Please specify the desired length in millimeters when placing your order. See order example.

[2]) Please specify the desired length and borehole when placing your order. See order example.



Steel, galvanized and thick layer passivated

Technical data

General data	
Material / coating	Steel / galvanized, passivated with a thick layer

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
DIN rail, unperforated, in accordance with EN 60715 - 15 x 5.5 mm, supply length: 2 m	silver	**NS 15 UNPERF 2000MM**	1401695	5
DIN rail, unperforated, in accordance with EN 60715 - 15 x 5.5 mm, supply length: up to 2 m, cut to customer-specified length[1])	silver	**NS 15 UNPERF/...**	1208089	1
DIN rail, unperforated, in accordance with EN 60715 - 15 x 5.5 mm, supply length: up to 2 m, cut to customer-specified length, and equipped with fixing holes[2])	silver	**NS 15 UNPERF/SO/...**	1208092	1
DIN rail, perforated, in accordance with EN 60715 - 15 x 5.5 mm, hole size: 4.2 x 12.2 mm, supply length: 2 m	silver			
DIN rail, perforated, in accordance with EN 60715 - 15 x 5.5 mm, hole size: 4.2 x 12.2 mm, supply length: up to 2 m, cut to customer-specified length[1])	silver			
DIN rail, perforated, dimensions in accordance with EN 60715 - 15 x 5.5 mm, hole size: 4.2 x 12.2 mm, supply length: 2 m	silver			
DIN rail, perforated, dimensions in accordance with EN 60715 - 15 x 5.5 mm, hole size: 4.2 x 12.2 mm, supply length: 2 m	silver			

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Steel, galvanized and thick layer passivated



Steel, galvanized and white passivated



Aluminum

Technical data

Steel / galvanized, passivated with a thick layer

Ordering data

Type	Order No.	Pcs./Pkt.
NS 15 PERF 2000MM	1401682	5
NS 15 PERF/...	1208102	1

Technical data

Steel / galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 15 WH PERF 2000MM	1204096	5

Technical data

Aluminum / uncoated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 15 AL PERF 2000MM	1401763	5

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DIN rails NS 35, flat design



- The design of the DIN rails complies with European standard EN 60715
- High degree of dimensional accuracy and surface finish
- All DIN rails are also available cut to length

The DIN rails are available in various materials and surface coatings:
- Zinc plated, for indoor applications
- Galvanized and white passivated (also referred to as thin layer passivated or blue passivated), for indoor applications
- Copper and aluminum; as a result of their improved conductivity, these versions can also be used as PEN busbars
- Stainless steel, for indoor and outdoor applications, plus can also be used in aggressive environments

Notes:

For dimensional drawings and ordering examples, see page 537.

For PPS ... DIN rail profile cutters, see page 400.

[1]) Please specify the desired length in millimeters when placing your order. See order example.

[2]) Please specify the desired length and borehole when placing your order. See order example.



Steel, galvanized and thick layer passivated

Technical data

General data	
Material / coating	Steel / galvanized, passivated with a thick layer

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
DIN rail, unperforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m	silver	**NS 35/ 7,5 UNPERF 2000MM**	0801681	5
DIN rail, unperforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: 1 m	silver	**NS 35/ 7,5 UNPERF 1000MM**	1207649	20
DIN rail, unperforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: up to 2 m, cut to customer-specified length[1])	silver	**NS 35/ 7,5 UNPERF/...**	1208115	1
DIN rail, unperforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: up to 2 m, cut to customer-specified length, and equipped with fixing holes[2])	silver	**NS 35/ 7,5 UNPERF/SO/...**	1208128	1
DIN rail, unperforated, dimensions in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m	silver			
DIN rail, unperforated, dimensions in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m	silver			
DIN rail, unperforated, dimensions in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m	copper-colored			

Accessories

DIN rail end cap for NS 35/7,5 DIN rail	**NS 35/ 7,5 CAP**	1206560	100

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Steel, galvanized and white passivated



Steel, galvanized



Copper

Technical data

Steel / galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 WH UNPERF 2000MM	1204122	5

Accessories

NS 35/ 7,5 CAP	1206560	100

Technical data

Steel / galvanized

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 ZN UNPERF 2000MM	1206434	5

Accessories

NS 35/ 7,5 CAP	1206560	100

Technical data

Copper / uncoated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 CU UNPERF 2000MM	0801762	5

Accessories

NS 35/ 7,5 CAP	1206560	100

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DIN rails NS 35, flat design

Notes:
For dimensional drawings and ordering examples, see page 537.
For PPS ... DIN rail profile cutters, see page 400.



Aluminum



Stainless steel

	Technical data	Technical data
General data		
Material / coating	Aluminum / uncoated	Stainless steel V2A / uncoated

		Ordering data			Ordering data		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
DIN rail, unperforated, dimensions in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m	silver	**NS 35/ 7,5 AL UNPERF 2000MM**	0801704	5			
DIN rail, unperforated, dimensions in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m	silver				**NS 35/ 7,5 V2A UNPERF 2000MM**	0801377	5
		Accessories			**Accessories**		
DIN rail end cap for NS 35/7,5 DIN rail		**NS 35/ 7,5 CAP**	1206560	100	**NS 35/ 7,5 CAP**	1206560	100

Protective caps for DIN rails

– NS 35/... CAP end caps can be attached to the ends of NS 35/7,5 and NS 35/15 DIN rails



Protective caps for DIN rails

	Technical data		
Dimensions	Width	Length	Height
General data			
Material	PP		

		Ordering data		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.
DIN rail end cap				
for NS 35/7,5 DIN rail	gray	**NS 35/ 7,5 CAP**	1206560	100
for NS 35/15 DIN rail	gray	**NS 35/15 CAP**	1206573	100

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NS 35 DIN rails, flat design, perforated

Notes:
[1]) Please specify the desired length in millimeters when placing your order. See order example.
For PPS ... DIN rail profile cutters, see page 400.



Steel, galvanized and thick layer passivated



Steel, galvanized

		Technical data			Technical data		
General data							
Material / coating		Steel / galvanized, passivated with a thick layer			Steel / galvanized		
		Ordering data			**Ordering data**		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, hole size: 6.2 x 15 mm, supply length: 2 m	silver	**NS 35/ 7,5 PERF 2000MM**	**0801733**	5			
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, hole size: 6.2 x 15 mm, supply length: 1 m	silver	**NS 35/ 7,5 PERF 1000MM**	**0807012**	10			
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, hole size: 6.2 x 15 mm for cabinet width/depth of 0.8 m, supply length: 755 mm	silver	**NS 35/ 7,5 PERF 755MM**	**1207640**	10			
for cabinet width/depth of 1.2 m, supply length: 1155 mm	silver	**NS 35/ 7,5 PERF 1155MM**	**1207666**	10			
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, hole size: 6.2 x 15 mm, supply length: up to 2 m, cut to customer-specified length[1])	silver	**NS 35/ 7,5 PERF/...**	**1208131**	1			
DIN rail, perforated, dimensions in accordance with EN 60715 - 35 x 7.5 mm, hole size: 5.2 x 18 mm, supply length: 2 m	silver	**NS 35/ 7,5 PERF (18X5,2)2000MM**	**1210019**	5			
DIN rail, perforated, dimensions in accordance with EN 60715 - 35 x 7.5 mm, galvanized, low design, hole size: 6.2 x 15 mm, supply length: 2 m	silver				**NS 35/ 7,5 ZN PERF 2000MM**	**1206421**	5
DIN rail, perforated, dimensions in accordance with EN 60715 - 35 x 7.5 mm, low design, hole size: 5.2 x 18 mm, supply length: 2 m	silver				**NS 35/ 7,5 ZN PERF (18X5,2) 2M**	**0804278**	25
		Accessories			**Accessories**		
DIN rail end cap for NS 35/7,5 DIN rail		**NS 35/ 7,5 CAP**	**1206560**	100	**NS 35/ 7,5 CAP**	**1206560**	100

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NS 35 DIN rails, flat design, perforated





Aluminum

- High degree of dimensional accuracy and surface finish
- All DIN rails are also available cut to length

The DIN rails are available in various materials and surface coatings:

- Zinc plated, for indoor applications
- Galvanized and white passivated (also referred to as thin layer passivated or blue passivated), for indoor applications
- Zinc plated and thick layer passivated, for indoor and protected outdoor applications
- Copper and aluminum; as a result of their improved conductivity, these versions can also be used as PEN busbars
- Stainless steel, for indoor and outdoor applications, plus can also be used in aggressive environments

Technical data

General data	
Material / coating	Aluminum / uncoated

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, hole size: 6.2 x 15 mm, supply length: 2 m	aluminum color	**NS 35/ 7,5 AL PERF 2000MM**	0814681	5
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, hole size: 6.2 x 15 mm, supply length: 2 m	silver			
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, hole size: 5.2 x 25 mm, supply length: 2 m	silver			

Accessories

DIN rail end cap			
for NS 35/7,5 DIN rail	**NS 35/ 7,5 CAP**	1206560	100

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Steel, galvanized and white passivated



Steel, galvanized and white passivated

Technical data

Steel / galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 WH PERF 2000MM	1204119	5

Accessories

NS 35/ 7,5 CAP	1206560	100

Technical data

Steel / galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 WH PERF(5,2X25)2000MM	1206418	5

Accessories

NS 35/ 7,5 CAP	1206560	100

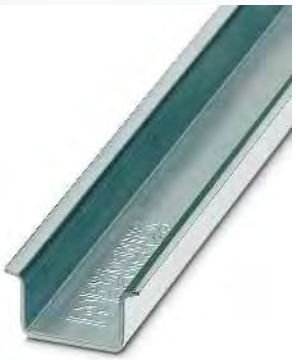
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NS 35 DIN rails, tall design

Notes:
For dimensional drawings and ordering examples, see page 537.
For PPS ... DIN rail profile cutters, see page 400.
1) Please specify the desired length in millimeters when placing your order. See order example.
2) Please specify the desired length and borehole when placing your order. See order example.



Steel, galvanized and thick layer passivated



Steel, galvanized and white passivated

	Technical data	Technical data
General data		
Material / coating	Steel / galvanized, passivated with a thick layer	Steel / galvanized, white passivated

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
DIN rail, unperforated, in accordance with EN 60715 - 35 x 15 mm, tall design, supply length: 2 m	silver	NS 35/15 UNPERF 2000MM	1201714	5			
DIN rail, unperforated, in accordance with EN 60715 - 35 x 15 mm, tall design, supply length: 1 m	silver	NS 35/15 UNPERF 1000MM	1207655	20			
DIN rail, unperforated, similar to EN 60715 - 35 x 15 mm, tall design, supply length: up to 2 m, cut to customer-specified length1)	silver	NS 35/15 UNPERF/...	1208144	1			
DIN rail, unperforated, in accordance with EN 60715 - 35 x 15 mm, tall design, cut to customer-specified length, and equipped with fixing holes2)	silver	NS 35/15 UNPERF/SO/...	1208157	1			
DIN rail, unperforated, similar to EN 60715 - 35 x 15 mm, tall design, supply length: 2 m	silver				NS 35/15 WH UNPERF 2000MM	1204135	5
DIN rail, unperforated, similar to EN 60715 - 35 x 15 mm, tall design, supply length: 2 m	silver						
DIN rail, unperforated, similar to EN 60715 - 35 x 15 mm, tall design, supply length: 2 m	copper-colored						
DIN rail, unperforated, in accordance with EN 60715 - 35 x 15 mm, material thickness: 2.3 mm, tall design, supply length: 2 m	silver						

	Accessories			Accessories		
DIN rail end cap for NS 35/15 DIN rail	NS 35/15 CAP	1206573	100	NS 35/15 CAP	1206573	100

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Steel, galvanized



Copper



Steel, galvanized, and thick layer passivated, material thickness 2.3 mm

Technical data

Steel / galvanized

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/15 ZN UNPERF 2000MM	1206586	5

Accessories

NS 35/15 CAP	1206573	100

Technical data

Copper / uncoated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/15 CU UNPERF 2000MM	1201895	5

Accessories

NS 35/15 CAP	1206573	100

Technical data

Steel / galvanized, passivated with a thick layer

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/15-2,3 UNPERF 2000MM	1201798	5

Accessories

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NS 35 DIN rails, tall design, perforated



- The design of the DIN rails complies with European standard EN 60715
- High degree of dimensional accuracy and surface finish
- All DIN rails are also available cut to length

The DIN rails are available in various materials and surface coatings:

- Zinc plated, for indoor applications
- Galvanized and white passivated (also referred to as thin layer passivated or blue passivated), for indoor applications
- Zinc plated and thick layer passivated, for indoor and protected outdoor applications
- Aluminum and copper. As a result of their improved conductivity, these versions can also be used as PEN busbars
- Stainless steel, for indoor and outdoor applications, plus can also be used in aggressive environments

Notes:

For dimensional drawings and ordering examples, see page 537.

For PPS ... DIN rail profile cutters, see page 400.

[1]) Please specify the desired length in millimeters when placing your order. See order example.



Steel, galvanized and thick layer passivated

Technical data

General data	
Material / coating	Steel / galvanized, passivated with a thick layer

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, hole size: 6.2 x 15 mm, tall design, supply length: 2 m	silver	**NS 35/15 PERF 2000MM**	1201730	5
DIN rail, perforated, in accordance with EN 60715 - 35 x 15 mm, hole size: 6.2 x 15 mm, tall design, supply length: 1 m	silver	**NS 35/15 PERF 1000MM**	1207658	10
DIN rail, perforated, in accordance with EN 60715 - 35 x 15 mm, hole size: 6.2 x 15 mm, tall design, for cabinet width/depth of 0.8 m				
for cabinet width/depth of 0.8 m, supply length: 755 mm	silver	**NS 35/15 PERF 755MM**	1207679	10
for cabinet width/depth of 1.0 m, supply length: 955 mm	silver	**NS 35/15 PERF 955MM**	1207682	10
for cabinet width/depth of 1.2 m, supply length: 1155 mm	silver	**NS 35/15 PERF 1155MM**	1207695	10
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, hole size: 6.2 x 15 mm, tall design, supply length: up to 2 m, cut to customer-specified length[1])	silver	**NS 35/15 PERF/...**	1208160	1
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, hole size: 6.2 x 15 mm, tall design, supply length: 2 m	silver			
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, hole size: 6.2 x 15 mm, galvanized, tall design, supply length: 2 m	silver			
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, hole size: 5.2 x 18 mm, supply length: 2 m	silver	**NS 35/15 PERF (18X5,2) 2000MM**	1210006	5
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, tall design, hole size: 5.2 x 25 mm, supply length: 2 m	silver			
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, tall design, hole size: 5.2 x 18 mm, supply length: 2 m	silver			

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Steel, galvanized and white passivated



Steel, galvanized

Technical data

Steel / galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/15 WH PERF 2000MM	0806602	5
NS 35/15 WH PERF(5,2X25)2000MM	1206476	5

Technical data

Steel / galvanized

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/15 ZN PERF 2000MM	1206599	5
NS 35/15 ZN PERF(18X5,2)2000MM	3240571	25

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NS 32 DIN rails

Notes:
For PPS ... DIN rail profile cutters, see page 400.
1) Please specify the desired length in millimeters when placing your order. See order example.
2) Please specify the desired length and borehole when placing your order. See order example.



Steel, galvanized and thick layer passivated



Aluminum

	Technical data	Technical data
General data		
Material / coating	Steel / galvanized, passivated with a thick layer	Aluminum / uncoated

	Ordering data			Ordering data		
Description Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
DIN rail, unperforated, in accordance with EN 60715 - G32, supply length: 2 m silver	**NS 32 UNPERF 2000MM**	1201015	5			
DIN rail, perforated, in accordance with EN 60715 - G32, supply length: 2 m silver	**NS 32 PERF 2000MM**	1201002	5			
DIN rail, unperforated, similar to EN 60715, supply length: 2 m silver				**NS 32 AL UNPERF 2000MM**	1201028	5
DIN rail, unperforated, similar to EN 60715 - G32, supply length: 2 m copper-colored						
DIN rail, unperforated, in accordance with EN 60715 - G32, supply length: 2 m copper-colored						
DIN rail, unperforated, in accordance with EN 60715 - G32, supply length: 2 m silver						
DIN rail, unperforated, in accordance with EN 60715 - G32, tall design, cut to customer-specified length, supply length: up to 2 m[1]) silver						
DIN rail, unperforated, in accordance with EN 60715 - G32, cut to customer-specified length, and equipped with fixing holes[2]) silver						

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Copper



Steel, galvanized and white passivated



Steel, galvanized and thick layer passivated

Technical data

Copper / uncoated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 32 CU/120QMM UNPERF 2000MM	1201280	5
NS 32 CU/35QMM UNPERF 2000MM	1201358	5

Technical data

Steel / galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 32 WH UNPERF 2000MM	1204106	5

Technical data

Steel / galvanized, passivated with a thick layer

Ordering data

Type	Order No.	Pcs./Pkt.
NS 32 UNPERF/...	1208173	1
NS 32 UNPERF/SO/...	1208186	1

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NS 35 DIN rails, tall design that supports the use of slide nuts

- The NS 35/15 AL DIN rail has been designed to accommodate GLM ... slide nuts
- The slide nuts even allow components without an additional snap-on foot to be mounted

Notes:

For dimensional drawings and ordering examples, see page 537.



NS 35, 15 mm high DIN rail with slide nut guide

Technical data

Dimensions	Width	Length	Height
[mm]	**35**	**2000**	**15**
General data			
Material	Aluminum		

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, supply length: 2 m	silver	**NS 35/15 AL UNPERF 2000MM**	1201756	5
DIN rail, unperforated, similar to EN 60715 - 35 x 15 mm, profile-specific, tall design, with slide nut guide, supply length: up to 2 m, cut to customer-specified length	silver	**NS 35/15 AL UNPERF/...**	1210213	1
Slide nut, for DIN rail NS 35/15-AL, for fixing devices, **material: steel**				
M4	silver	**GLM 4**	1201769	100
M5	silver	**GLM 5**	1201772	100
M6	silver	**GLM 6**	1201785	100

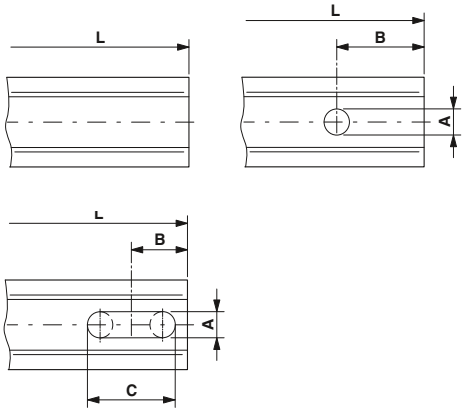
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Example configuration for NS 35/15 UNPERF/SO/...:

(Minimum order quantity: 20 pcs.)

When ordering 20 unperforated NS 35/15 DIN rails with 6 mm ø end holes at both ends (as 20 mm elongated holes, the hole center of which is 50 mm from the end of the rail) with a length of 550 mm, the following must be specified:

Quantity	Order No.	Length in mm	Dim. A	Dim. B	Dim. C
20		550	6	50	20



Example configuration for NS 35/7,5 UNPERF/...:

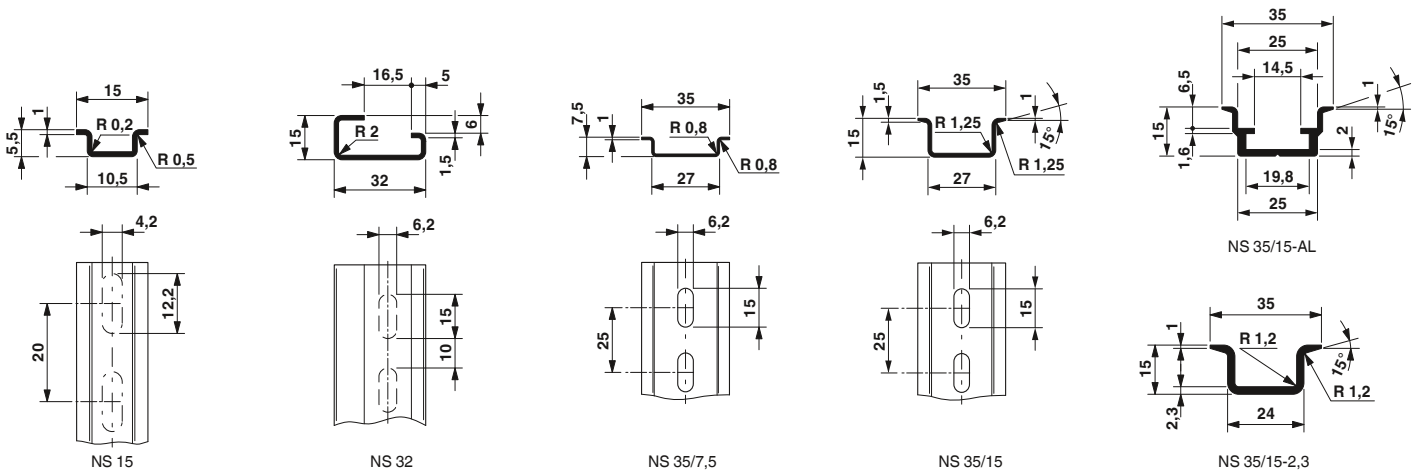
(Minimum order quantity: 20 pcs.)

When ordering 20 unperforated NS 35/7,5 DIN rails without end holes with a length of 1750 mm, the following must be specified:

Quantity	Order No.	Length in mm
20		1750

L = length
A = hole diameter [mm]
B = distance between end and hole center [mm]
C = length of elongated hole [mm]
The following dimensions are possible:
Round hole: C = 0
Elongated hole: C = 10, 15, 20 or 25 mm

Dimensional drawings for DIN rails



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Snap-on end bracket, for NS 15 and NS 35 DIN rails

- The geometry of the CLIPFIX end bracket ensures reliable fixing on the different DIN rail systems
- Overall width of just 5.2 mm
- Parking facility for bridges and connectors
- Large area for marking



End bracket for NS 15 DIN rail



End bracket for NS 35 DIN rail

Technical data			
Dimensions	Width	Length	Height
[mm]	**5.2**	**22**	**22.6**
General data			
Material	PA		
Flammability rating in accordance with UL 94	V2		

Technical data		
Width	Length	Height
5.15	**48.5**	**35**
PA		
V2		

Ordering data			
Description	Color	Type	Order No.	Pcs./Pkt.
End bracket, for snapping onto NS 15, 5.2 mm wide, can be marked with ZB 5 and ZBF 5, KLM, KLM 2 and KLM 3, provides facilities for retaining bridges and test accessories	gray	**CLIPFIX 15**	3022263	50
End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs	gray			
Material: V0	gray			
End bracket, for snapping onto NS 35, 9.5 mm wide, can be marked with ZB 6, ZB 8/27, KLM...	gray			
	white			

Ordering data			
Type	Order No.	Pcs./Pkt.
CLIPFIX 35-5	3022276	50
CLIPFIX 35-5 V0	3032350	50
CLIPFIX 35	3022218	50
CLIPFIX 35 WH	0802723	50

Screw-on end bracket, for NS 35 and NS 32 DIN rails

- With universal foot for NS 35 and NS 32 DIN rails
- Tall and low designs
- Large area for marking



For NS 35 and NS 32 DIN rails



For multi-level terminal blocks on NS 35 and NS 32 DIN rails

Technical data			
Dimensions	Width	Length	Height
[mm]	**9.5**	**50.5**	**35.3**
General data			
Material	PA		
Tightening torque [Nm]	- 0.8		
Flammability rating in accordance with UL 94	V2		

Technical data		
Width	Length	Height
10	**55.5**	**50**
PA		
-		
V2		

Ordering data			
Description	Color	Type	Order No.	Pcs./Pkt.
End bracket, for screwing on,, for NS 35 and NS 32, can be marked with ZB 6, KLM, KLM-A and UBE	gray	**E/UK**	1201442	50
Universal end bracket, for screwing on, for NS 35 and NS 32, for supporting the ends of double-level and three-level terminal blocks, can be marked with ZB 10	gray			

Ordering data		
Type	Order No.	Pcs./Pkt.
E/UK 1	1201413	50

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Screw-on end bracket, for NS 15 DIN rail

The E/MBK end bracket has been specially designed for the MBK miniature IEC terminal blocks.

– Can be screwed onto NS 15 DIN rails
– Can be mounted directly on the mounting plate as an MBK terminal block base
– Large area for marking



For miniature IEC terminal blocks on NS 15 DIN rail



For NS 15 DIN rail

		Technical data			Technical data		
Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**6.2**	**22**	**11.4**	**6.1**	**21.2**	**18**
General data							
Material		PA			PA		
Tightening torque	[Nm]	-			-		
Flammability rating in accordance with UL 94		V2			V2		

		Ordering data			Ordering data		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
End bracket, for snapping onto NS 15, for slide-on miniature terminal blocks, can be fastened with a screw, can be marked with KLM 1	gray	**E/MBK**	**1401637**	100			
End bracket, for screwing onto NS15, 6.1 mm wide, can be fastened with a screw, can be marked with KLM 1	gray				**E/MK 1**	**1421659**	100

Screw-on end bracket, for NS 35 and NS 32 DIN rails

– The E/AL-NS 35 provides optimum support for large terminals and devices
– Large area for marking



For NS 35 DIN rail



For terminal blocks from 50 mm² on NS 35 and NS 32 DIN rails

		Technical data			Technical data		
Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**9.5**	**48.6**	**32.8**	**10**	**59**	**44**
General data							
Material		PA			Aluminum		
Tightening torque	[Nm]	-			-		
Flammability rating in accordance with UL 94		V0			-		

		Ordering data			Ordering data		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
End bracket, for screwing onto NS 35, can be equipped with terminal strip marker KLM-A or ZB 8	gray	**E/NS 35 N**	**0800886**	50			
	black	**E/NS 35 N BK**	**0804271**	50			
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...	silver				**E/AL-NS 35**	**1201662**	10
End bracket, aluminum, for screwing on, for end support of UKH 50 - UKH 240, can be marked with ZB 10, for mounting on NS 32...	silver				**E/AL-NS 32**	**1201659**	10

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Marking for terminal strips

- The KLM terminal strip markers are specially developed for the CLIPFIX end brackets
- Infinite height adjustment of the marking area is possible, thanks to the fine pitching
- The KLM 3-L is suitable for multi-level terminal blocks and can be cut in two specific places



For CLIPFIX end brackets, can be marked with snap-on label



For CLIPFIX end brackets, can be marked with label

		Technical data			Technical data		
Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**12.5**	**22**	**42**	**10**	**22**	**27**
General data							
Material		PA			PA		
Flammability rating in accordance with UL 94		V2			V2		
Temperature range	[°C]	-40 ... 100			-40 ... 100		
Components		Halogen-free			Halogen-free		

		Ordering data			Ordering data		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
Terminal strip marker, adjustable height, for CLIPFIX ... end bracket can be marked with SS-ZB Lettering field size: 20 x 8 mm	gray	**KLM 2**	0807575	100			
Terminal strip marker, adjustable height, for CLIPFIX ... end bracket can be marked with EML (20x8) label or with B-STIFT or X-PEN	gray				**KLM 3**	0811969	100
Can be cut to length	gray				**KLM 3-L**	0814788	100

Marking for terminal strips



For E/MK and E/MBK end brackets



For E/UK and CLIPFIX 35 end brackets

		Technical data			Technical data		
General data							
Material		ABS			ABS		
Flammability rating in accordance with UL 94		HB			HB		
Temperature range	[°C]	-40 ... 80			-40 ... 80		
Components		Free from silicone and halogen			Free from silicone and halogen		

		Ordering data			Ordering data		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
Terminal strip markers, for E/MK, E/MK 1 and E/MBK end bracket, lettering field: 24 x 4 mm	transparent	**KLM 1**	1004319	100			
Terminal strip markers, for E/UK or CLIPFIX 35 end brackets, lettering field: 25 x 6 mm	transparent				**KLM**	1004306	100

		Accessories			Accessories		
Insert strips for thermal transfer printers, 5000 labels per roll							
1 roll = 5000 markers	white	**EMT (24X4)R**	0816265	1			
1 roll = 5000 markers	white				**EMT (25X6)R**	0817264	1

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Marking for terminal strips



For CLIPFIX end brackets, can be marked with label



For E/UK, E/NS 35 N, and CLIPFIX 35 end brackets

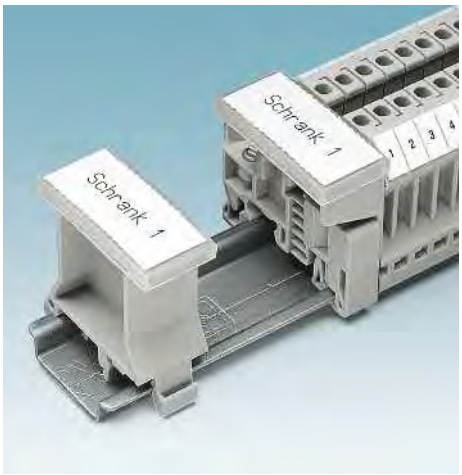
		Technical data	Technical data
General data			
Material		PA	ABS
Flammability rating in accordance with UL 94		V2	HB
Temperature range	[°C]	-40 ... 100	-40 ... 80
Components		Halogen-free	Free from silicone and halogen

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Terminal strip marker, height adjustable, central surface, for CLIPFIX 15, CLIPFIX 35, and CLIPFIX 35-5 end brackets, lettering field size: 20 x 8 mm	gray	**KLM 4**	0811970	100			
Terminal strip markers, for strip marking, adjustable height, for use with E/UK, E/NS 35 N or CLIPFIX 35 end brackets, lettering field size: 44 x 7 mm	transparent				**KLM-A**	1004348	100
Accessories					**Accessories**		
Insert strips for laser printers, DIN A4, perforated 1 sheet = 136 labels, lettering field size: 44 x 7 mm	white				**ESL 44X7**	0808244	10
UniSheet insert labels for thermal transfer printers 1 UniSheet = 40 labels, lettering field size: 44 x 7 mm	white				**US-EMP (44X7)**	0829438	10
UniSheet, self-adhesive labels for thermal transfer printers 1 UniSheet = 64 labels, lettering field size: 20 x 8 mm	white	**US-EML (20X8)**	0800458	10			



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Marking for terminal strips





For mounting on end bracket

Technical data

General data	
Material	PA
Flammability rating in accordance with UL 94	V2
Temperature range [°C]	-40 ... 100
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal strip marker carriers, for marking groups of terminals, for E/UK end bracket, lettering field size: 40 x 17 mm Hood material: PE	gray	**UBE**	0800310	10
Terminal strip marker carrier, for marking groups of terminals, for mounting on NS 32... or NS 35... DIN rail, lettering field size: 40 x 17 mm Hood material: PE	gray			
Terminal strip marker carrier, for marking groups of terminals, for mounting on NS 32... or NS 35... DIN rail, lettering field size: 60 x 10 mm Hood material:: PE	gray			
Terminal strip marker carrier, for marking groups of terminals, for mounting on NS 32 or NS 35/7,5, lettering field size: 44 x 7 mm Hood material: PE	gray			

Accessories

Insert strip for thermal transfer printer, for terminal strip marker UBE/D or UBE				
1 roll = 2300 markers	white	**EMT (40X17)R**	0817293	1
1 roll = 500 labels, lettering field size: 60 x 10 mm	white			
1 roll = 500 labels, lettering field size: 44 x 7 mm	white			
Insert strips for laser printers, DIN A4, perforated				
1 sheet = 56 labels	white	**ESL 40X17**	0808095	10
1 sheet = 72 labels, lettering field size: 60 x 10 mm	white			
1 sheet = 136 labels, lettering field size: 44 x 7 mm	white			
UniSheet insert labels for thermal transfer printers				
1 UniSheet = 16 labels	white	**US-EMP (40X17)**	0829437	10
1 UniSheet = 40 labels, lettering field size: 44 x 7 mm	white			

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For mounting on a DIN rail



For DIN rail mounting



For mounting on a DIN rail

Technical data

PA
V2
-40 ... 100
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
UBE/D	0800307	10

Accessories

EMT (40X17)R	0817293	1
ESL 40X17	0808095	10
US-EMP (40X17)	0829437	10

Technical data

PA
V0
-40 ... 100
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
UBE/D (60X10)	0803719	50

Accessories

EMT (60X10)R	0804288	1
ESL 60X10	0804287	10

Technical data

PA
V0
-40 ... 100
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
UBE/D N+C	0803122	10

Accessories

EMT (44X7)R	0819275	1
ESL 44X7	0808244	10
US-EMP (44X7)	0829438	10

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Angled brackets for fixing DIN rails

– The BG/S brackets can be used to fix DIN rails at a distance from the mounting surface
– 30° tilt angle



Angled bracket, low



Angled bracket, tall

	Technical data		
Dimensions	Width	Length	Height
[mm]	**19.7**	**87**	**35.4**
General data			
Material	Steel		

	Technical data		
Width	Length	Height	
20	**84**	**46**	
Steel			

Description	Color	Type	Order No.	Pcs./Pkt.
Angled bracket, for fixing DIN rails at an angle of 30°, with M6 screw, galvanized and thick layer passivated	silver	**BG/S**	1201086	10
Angled bracket, with DIN rail limit stop, for fixing DIN rails at an angle of 30°, with M6 screw, galvanized and thick layer passivated	silver	**BG/SA**	1201604	10

Type	Order No.	Pcs./Pkt.
BG/SH	1201099	10
BG/SHA	1201594	10

Flat brackets for fixing DIN rails

– The BG/F brackets can be used to fix DIN rails at a distance from the mounting surface



Flat brackets with lugs



Flat brackets without lugs

	Technical data		
Dimensions	Width	Length	Height
[mm]	**20**	**84**	**12**
General data			
Material	Steel		

	Technical data		
Width	Length	Height	
20	**37**	**15**	
Steel			

Description	Color	Type	Order No.	Pcs./Pkt.
Flat bracket, for fixing DIN rails 12 mm above the base, with M6 screw, galvanized and thick layer passivated	silver	**BG/F**	1201060	10
Flat bracket, is screwed with DIN rails 15 mm above the base, fixing hole: 6.5 mm Ø, galvanized and thick layer passivated	silver			

Type	Order No.	Pcs./Pkt.
BG/F 1	1201112	10

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Universal adapters

- The universal adapters are used to secure and hold electrical or electronic switching devices
- The allow fully insulated mounting of components or DIN rails



For NS 35 and NS 32 DIN rails



For NS 32 DIN rail

	Technical data		
Dimensions	Width	Length	Height
[mm]	**10**	**42.6**	**19**
General data			
Material	PA		
Flammability rating in accordance with UL 94	V2		

	Technical data		
Width	Length	Height	
PA			
-			

Ordering data						
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Universal rail adapter, for NS 35... or NS 32... DIN rail, for accommodating switching devices, 10 mm wide							
For M3 screws	gray	**USA 10**	1201578	10			
For M3 screws	black	**USA 10 BK**	1200993	10			
For M5 screws	gray	**USA 10/4,6**	1202713	10			
Universal rail adapter, for NS 32... DIN rail	white				**FIXOCAP F**	1201471	100

Mounting accessories

- The support bracket can be used for fully insulated DIN rail support
- The NS 35/... CAP end caps can be attached to the ends of NS 35/7,5 and NS 35/15 DIN rails



Support bracket, insulated



Protective caps for DIN rails

	Technical data		
Dimensions	Width	Length	Height
[mm]	**38**	**35**	**21**
General data			
Material	PA		
Flammability rating in accordance with UL 94	V2		

	Technical data		
Width	Length	Height	
7	**37.5**	**9**	
PP			
HB			

Ordering data						
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Support bracket, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	**AB/NS**	1201141	10			
DIN rail end cap							
for NS 35/7,5 DIN rail	gray				**NS 35/ 7,5 CAP**	1206560	100
for NS 35/15 DIN rail	gray				**NS 35/15 CAP**	1206573	100

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Cover profiles

- Covering hoods and profiles provide protection against unauthorized actuation of terminal strips
- All covering hoods are closed on all sides
- Specially adjusted contours enable a tight fit to the respective terminal block types, e.g., the UTME test disconnect terminal blocks

Notes:

[1]) Please state the length required in cm when ordering. Accuracy 1 mm.



Covering hood, can be sealed



Cover profile

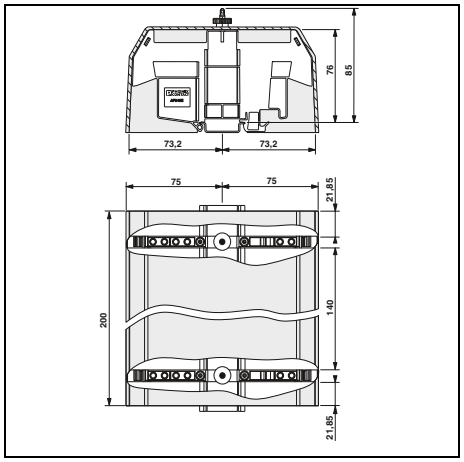
EAC

	Technical data	Technical data
General data		
Material	PC	PVC
Flammability rating in accordance with UL 94	V2	V0
Temperature range [°C]	-	-15 ... 65

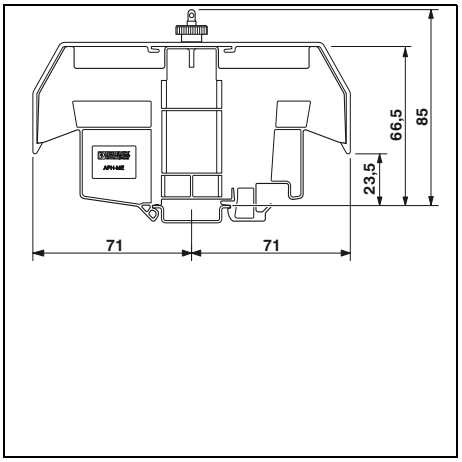
		Ordering data			Ordering data			
Description	Color	Type	Order No.	Pcs./Pkt.	Type		Order No.	Pcs./Pkt.
Covering hood								
	transparent	**AH-ME**	3240265	5				
Dimensions: 145 x 150 x 80 mm	transparent	**AH-ME 145X150X80**	3240266	5				
Dimensions: 115 x 150 x 80 mm	transparent	**AH-ME 115X150X80**	3240267	5				
Dimensions: 200 x 150 x 78 mm	transparent	**AH-ME 200X150X78**	3240268	5				
Cover profile, supply length 1 m	transparent				**AP-ME**	**METER**	3034361	10
Cover profile, please specify the desired length in cm	transparent				**AP-ME CM**		3034345	1
Cover profile, for terminal strips, can be marked using an AP-ES insert strip. Position a cover profile carrier at the ends and at intervals of around 40 cm, length supplied: 1 m	transparent				**AP 2**	**METER**	5022627	1
Cover profile, for terminal strips, can be marked using an AP-ES insert strip. Position a cover profile carrier at the ends and at intervals of around 40 cm, maximum length supplied: 1 m[1]) Can be snapped onto cover profile carrier AP 2-TU	transparent				**AP 2 CM**		5022889	1
Cover profile, for covering terminal strips, snaps onto cover profile carrier AP 3-TU, AP 3-TNS 35, can be marked with insert strip AP-ES. A cover profile carrier should be positioned at the ends and at intervals of around 40 cm. Length supplied: 1 m	transparent				**AP 3**	**METER**	5022643	1
Cover profile, for covering terminal strips, snaps onto cover profile carrier AP 3-TU, AP 3-TNS 35, can be marked with insert strip AP-ES. Position a cover profile carrier at the ends and at intervals of around 40 cm, maximum length supplied: 1 m[1]) Can be snapped onto AP 3-TU or AP 3-TNS 35	transparent				**AP 3 CM**		5022876	1
U-shaped cover, Inner dimensions: 100 x 38 mm, 2 mm thick, maximum supply length: 2.05 m, also required: 2 end brackets E/UK and 2 cover holders VAH, made acc. to length specifications[1])	transparent				**A/U CM**		5021110	1

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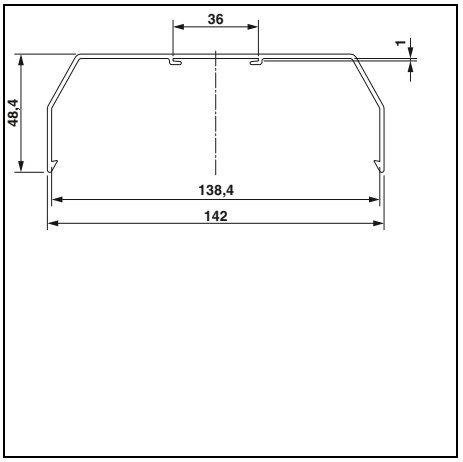
Dimensional drawings



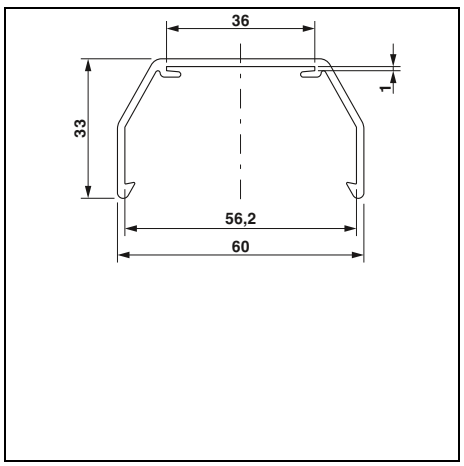
AH-ME



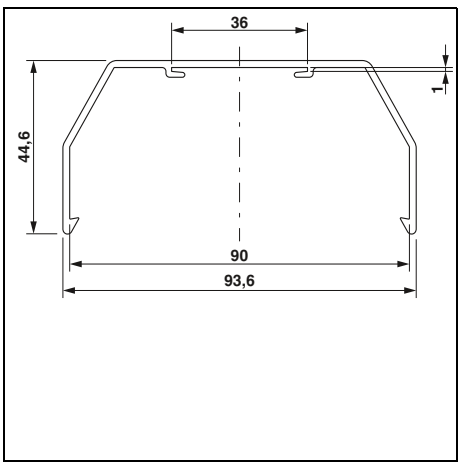
AP-ME



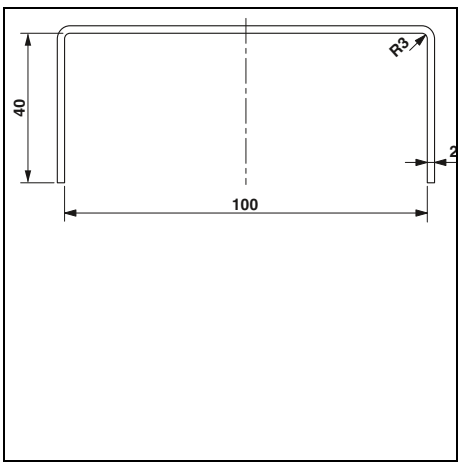
AP-ME CM



AP 2 METER



AP 3 METER



A/U CM

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Component mounting

Cover profiles

- The cover profile carriers differ in form and function
- Some profile carriers function as a dividing plate or a sealable dividing plate
- The APH-ME profile carrier e.g., facilities retaining the FBS ...-8 plug-in bridges and is optionally sealable
- The VAH mounting adapter can be latched onto the corresponding end brackets at a certain height



Cover profile carrier



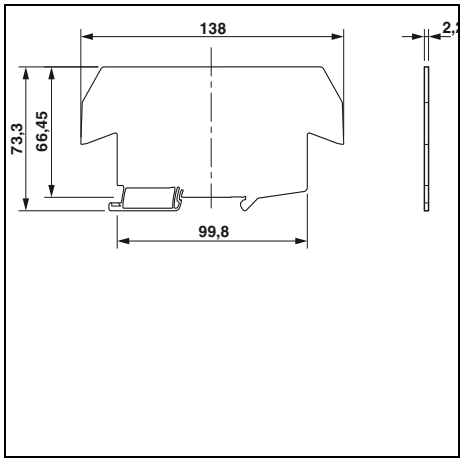
Cover bracket,
for latching in the end bracket

	Technical data	Technical data
General data		
Material	PA	PA
Flammability rating in accordance with UL 94	V0	V2
Temperature range [°C]	-	-

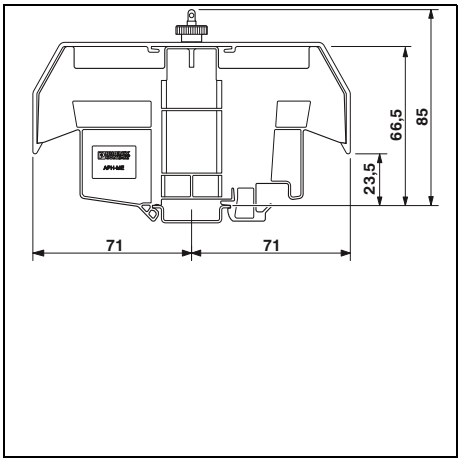
		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cover profile carrier, for AP-ME	gray	**APT-ME**	3034358	10			
Cover profile carrier, sealable, for AP-ME cover profile	gray	**APH-ME**	3034374	10			
Cover profile carrier, for mounting on NS 32 or NS 35/7,5 DIN rail, for fixing of the AP cover profile, 2.1 mm thick	gray	**AP 2-TU**	5022630	50			
Cover profile carrier, can be sealed, for mounting on NS 32 or NS 35/7,5 DIN rail, for fixing the AP 2 cover profile	gray	**AP 2-TU KS**	3034372	10			
Cover profile carrier, for mounting on NS 32 or NS 35/7.5 DIN rail, for fixing the cover profile AP, 2 mm thick, material: PA	gray	**AP 3-TU**	5022656	50			
Sealable cover profile carrier, for mounting on NS 35 DIN rail and for fixing the AP 3 cover profile, with plastic M5 knurled nut, space required: 13 mm	gray	**AP 3-TNS 35**	5022672	10			
Sealable cover profile carrier, for mounting on NS 32 DIN rail, for fixing the AP 3 cover profile, with plastic M5 knurled nut, space required: 13 mm	gray	**AP 3-TNS 32**	5022669	10			
Cover profile carrier, can be sealed, for mounting on NS 32 or NS 35/7,5 DIN rail, for fixing the AP 3 cover profile	gray	**AP 3-TU KS**	3034373	10			
Adjustable cover holder, for mounting covers (up to 3 mm thick), additional requirements: One end bracket E/UK or CLIPFIX 35, material PA	gray				**VAH**	1201468	10
		Accessories			**Accessories**		
Insert strips, for group marking, for sliding into the cover profile AP 2 and AP 3, cardboard, lettering field: 35 x 500 mm	white	**AP-ES**	5022685	10			
End bracket, for screwing on, for NS 35 and NS 32, can be marked with ZB 6, KLM, KLM-A and UBE	gray				**E/UK**	1201442	50
End bracket, for latching the VAH	gray				**E/UK-NS 35**	1202577	50
End bracket, for snapping onto NS 35, 9.5 mm wide, can be marked with ZB 6, ZB 8/27, KLM...	gray				**CLIPFIX 35**	3022218	50

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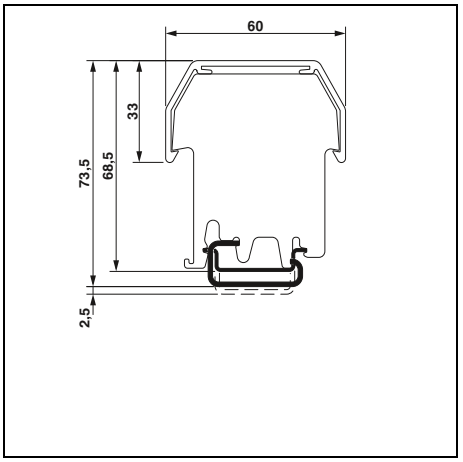
Dimensional drawings



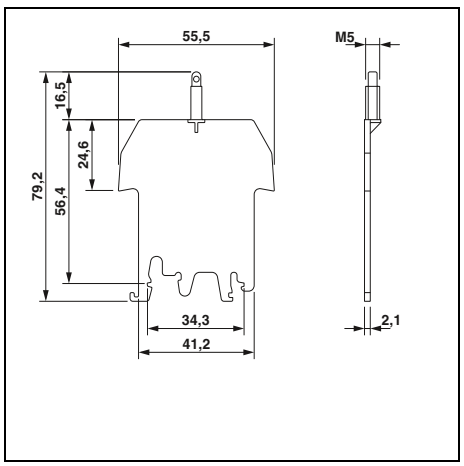
APT-ME



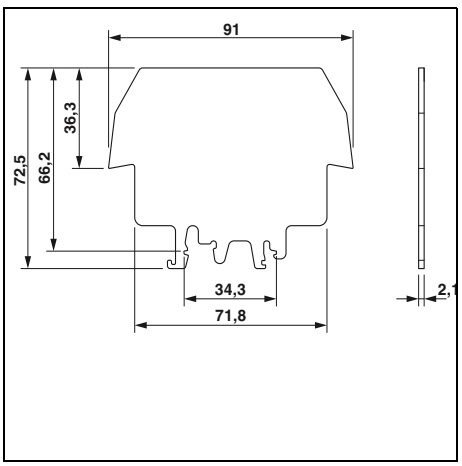
APH-ME



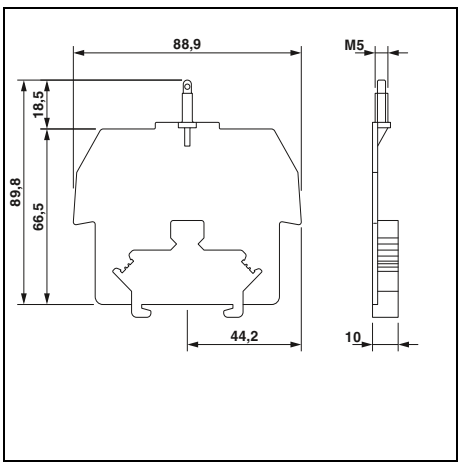
AP 2-TU



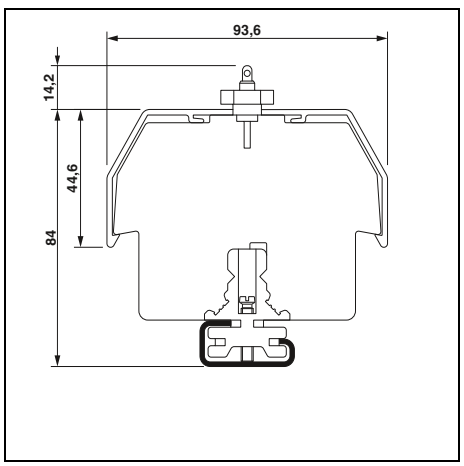
AP 2-TU KS



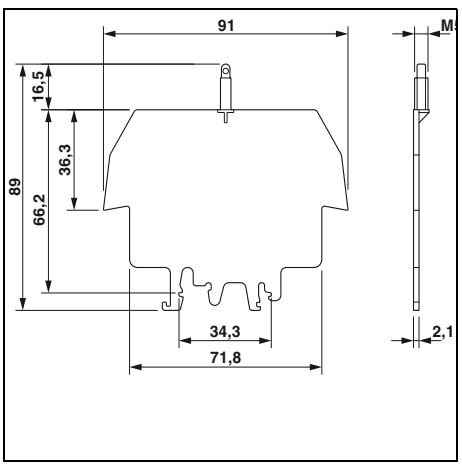
AP 3-TU



AP 3-TNS 35



AP 3-TNS 32



AP 3-TU KS

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Cover profiles for UK terminal blocks



- Covering of live parts
- Protection against accidental actuation of terminal points or disconnect terminal blocks
- Protection against environmental influences
- Can be marked



Single cover for UK terminal blocks

Technical data

General data	
Material	ABS
Flammability rating in accordance with UL 94	HB
Temperature range [°C]	-40 ... 80
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Single cover, for covering the UK 2,5 N terminal block, snap fit	transparent	**EA 4**	0805360	50
Single cover, for covering the UK 3 N, UK 5 N, UK 6 N, UK 4-FSR, UK 4FS/FS,UK 4-LOER terminal blocks, snap fit	transparent	**EA 5**	1024014	100
Single cover, for covering the UK 16 N terminal block, snap fit	transparent	**EA 7**	1024250	100
Single cover, for covering the UK 3 N, UK 5 N, UK 6 N, UK 4-FSR, UK 4FS/FS,UK 4-LOER terminal blocks, snap fit, black print: lightning flash	yellow	**EA 5-WS**	1024085	100
Single cover, for covering the UK 35, UIK 35 terminal block, cannot be marked, snap fit	transparent	**EA 11**	1024263	50

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Cover profiles

- Covering of live parts
- Protection against accidental actuation of terminal points or disconnect terminal blocks
- Protection against environmental influences
- Can be marked



Cover profile, hinged for DIN rail mounting

Technical data

General data		
Material		Polycarbonate PC
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 115
Components		Free from silicone and halogen

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Holding profile, is snapped into the cover holder APK-TU, with groove for Zack marker strip **ZB 5** up to **ZB 10**, length: 2 m	transparent	**APK 1**		5022795	10
Holding profile, is snapped into the cover holder APK-TU, with groove for Zack marker strip **ZB 5** up to **ZB 10**, length: 2 m	gray	**APK-HP**	**2 METER**	5022818	2
Cover profile holder, 10 mm width, for mounting on NS 32 or NS 35/7,5, for fixing the holding profile APK-HP, can be marked with Zack marker strip **ZB 10, material**: PA	gray	**APK-TU**		5022805	10

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Busbars

Neutral busbar



3 x 10 mm



6 x 6 mm

	Technical data		
Dimensions	Width	Length	Height
[mm]	**10**	**1000**	**3**
General data			
Material	Copper		

	Technical data		
Width	Length	Height	
6	**1000**	**6**	
Copper			

		Ordering data		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	0402174	10
PEN conductor busbar, in accordance with DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver			

Ordering data		
Type	**Order No.**	Pcs./Pkt.
NLS-CU 6/ 6 SN 1000MM	0402161	10

Supports for neutral busbars

Three support brackets can be supplied as support for busbars:
– The AB/SS for one rail
– The AB 2/SS for offset arrangement of neutral and (PE) busbars
– The lower ABN 2/SS

Notes:
For dimensional drawings, see phoenixcontact.net/products



Support bracket for SK shield connection clamps



Support bracket, multi-level, insulated

	Technical data		
Dimensions	Width	Length	Height
[mm]	**19.4**	**23.4**	**21.7**
General data			
Material	PA		
Flammability rating in accordance with UL 94	V0		

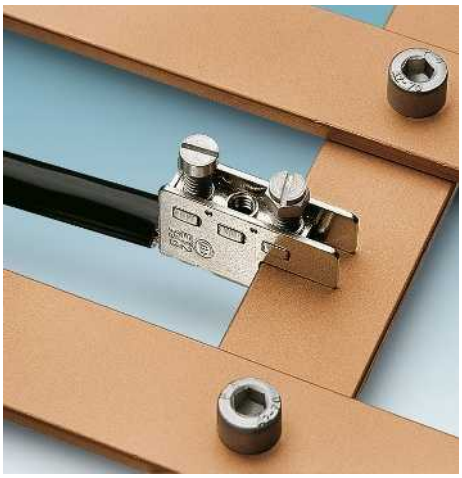
	Technical data		
Width	Length	Height	
10	**42**	**48**	
PA			
V0			

		Ordering data		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.
Support bracket, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars	gray	**AB/SS**	0404428	10
With two retaining screws	gray	**AB/SS-EX**	0404415	10
Double support bracket, made from insulation material, can be optionally used for either 3 x 10 mm or 6 x 6 mm neutral busbar				
Height 48 mm	gray			
Height 36.8 mm	gray			
Triple support bracket, made from insulation material	gray			

Ordering data		
Type	**Order No.**	Pcs./Pkt.
AB2/SS	0404431	10
ABN 2/SS	0404460	10
AB3/SS	0800086	10

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Branch terminals



– A branch of flat copper busbars often has to be produced in switch systems
– This can be done easily with the branch terminal because the terminal can be attached and firmly clamped anywhere on a copper rail (up to max. 5 mm thick) later on



35 (35) mm², 125 A, branch terminal

EAC

Technical data

Dimensions					
	[mm]	Width	Length	Height	
		12	**40**	**36**	
Maximum electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
		125		**0.75 - 35**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	125 / 35	-	-	-
Connection capacity		rigid	flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
2 conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
General data					
Stripping length	[mm]	15			
Screw thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			

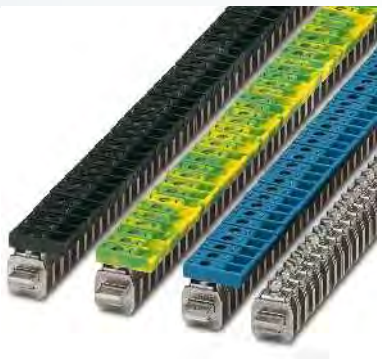
Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Branch terminal, for connection to copper rails up to 5 mm thick	aluminum color	**AZK 35**		0702997	10

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L/N/PE connection terminal blocks





4 (6) mm², 41 A, connection terminal blocks

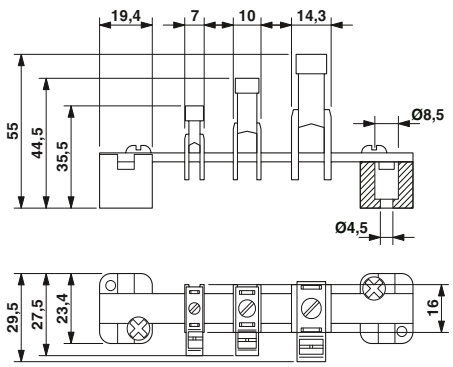
- In electrical systems subject to the setup requirements of DIN VDE 0100 or IEC 60204-1 / EN 60204-1 / VDE 0113-1, N, PE or phase conductor L are often connected to central busbars. This requires the conductor and/or terminal block to be clearly marked for the corresponding circuit. The connection terminal blocks satisfy these requirements:
- Thanks to the individual marking of each terminal block
- By their blue, green-yellow or black colored housings
- Large-surface marking possible with ZB, UC-TM, UCT-TM

Technical data

Dimensions		Width	Length	Height	
	[mm]	**7**	**23.4**	**24**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**300**	**0.5 - 6**	**22-12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	300	300	-	-
Nominal current / cross section	[A] / [mm²]	41 / 4	20 / -	20 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	20 - 10	22-12	22-12	-
Connection capacity		rigid	flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 6	0.5 - 4	0.5 - 6	0.5 - 6
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
2 flexible conductors with TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	16			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V2			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Connection terminal block, steel, pushed onto NLS neutral busbar, can be marked with ZB ...	black	**AKG 4 BK**		0421032	50
Up to 6 mm² rigid, 7 mm wide	green-yellow	**AKG 4 GNYE**		0421029	50
	blue	**AKG 4 BU**		0421016	50
	red	**AKG 4 RD**		3062922	50
	green	**AKG 4 GN**		3062935	50
	yellow	**AKG 4 YE**		3062948	50
With Ex approval	black	**AKG 4 BK-EX**		0421058	50
	green-yellow	**AKG 4 GNYE-EX**		0421045	50
	blue	**AKG 4 BU-EX**		0421061	50
Without insulating cap	silver	**AK 4**		0404017	50
Connection terminal block, steel, pushed onto NLS neutral busbar, can be marked with ZB ...	black				
Up to 16 mm² rigid, 10 mm wide	green-yellow				
	blue				
	gray				
	red				
	green				
	yellow				
Without insulating cap	silver				
Connection terminal block, steel, pushed onto NLS neutral busbar, can be marked with ZB ...	black				
Up to 35 mm² rigid, 14.3 mm wide	green-yellow				
	blue				
	red				
	green				
	yellow				
Without insulating cap	silver				



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16 (16) mm², 76 A, connection terminal blocks



35 (35) mm², 125 A, connection terminal blocks

Technical data

Width	Length	Height	
9.8	**23.4**	**32**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
76	**300**	**1.5 - 16**	**18-6**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
300	300	-	-
76 / 16	50 / -	65 / -	-
16	-	-	-
16 - 6	18-6	18-6	-
rigid	flexible	Ferrule without/with plastic sleeve	
1.5 - 16	1.5 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 6	1.5 - 6	-
-	-	-	1.5 - 10
16			
M5			
2.5 - 3			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
AKG 16 BK		0423030	50
AKG 16 GNYE		0423027	50
AKG 16 BU		0423014	50
AKG 16 GY		0423043	50
AKG 16 RD		3062951	50
AKG 16 GN		3062964	50
AKG 16 YE		3062977	50
AK 16		0404033	50

Technical data

Width	Length	Height	
14.3	**27**	**40**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
125	**300**	**2.5 - 35**	**18-2**
IEC / EN IEC	UL / CUL	CSA	IEC/ EN 60079-7
300	300	-	-
125 / 35	115 / -	135 / -	-
35	-	-	-
14 - 2	18-2	18-2	-
rigid	flexible	Ferrule without/with plastic sleeve	
2.5 - 35	2.5 - 35	2.5 - 35	2.5 - 35
1.5 - 16	1.5 - 16	1.5 - 16	-
-	-	-	1.5 - 10
16			
M6			
3.2 - 3.7			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
AKG 35 BK		0424039	50
AKG 35 GNYE		0424026	50
AKG 35 BU		0424013	50
AKG 35 RD		3062980	50
AKG 35 GN		3062993	50
AKG 35 YE		3063002	50
AK 35		0404046	50

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Europe connectors



- The Europe connectors for conductors with a cross section of up to 16 mm² feature wire protection
- Particularly suitable for finely stranded conductors, including those without ferrules
- Insulating housing made from halogen-free polyamide
- High-quality metal parts with corrosion-resistant surfaces
- Secure fixing in housing

Notes:

For more variants, see phoenixcontact.net/products.

For important information regarding proper installation, visit phoenixcontact.net/products.



2.5 (2.5) mm², 24 A, 12-pos.

Technical data

Dimensions				
	[mm]	Width	Length	Height
		16.2	**93.6**	**13.4**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**450**	**0.5 - 2.5 / 22-12**

Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	20 - 14	22-12	-	-
Connection capacity		rigid	flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 1.5	0.5 - 1
2 conductors (of the same type)	[mm²]	0.5 - 0.75	0.5 - 0.75	-	-
2 flexible conductors with TWIN ferrule	[mm²]	-	-	-	0.5
General data					
Stripping length	[mm]	5			
Screw thread		M2,6			
Tightening torque	[Nm]	0.4 - 0.5			
Insulating material		PA			
Flammability rating in accordance with UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Europe connector, 12-pos., with wire protection	transparent	**EC 2,5 P TR**	3240167	10

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4 (4) mm², 32 A, 12-pos.



6 (6) mm², 41 A, 12-pos.



16 (16) mm², 76 A, 12-pos.

Technical data

Width	Length	Height	
18.6	**117**	**15**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**450**	**0.75 - 4**	**20-10**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
32 / 4	30 / -	-	-
4	-	-	-
18 - 12	20-10	-	-
rigid	flexible	Ferrule without/with plastic sleeve	
0.75 - 4	0.75 - 4	0.5 - 2.5	0.5 - 2.5
0.75 - 1.5	0.75 - 1	0.5 - 1	-
-	-	-	0.5 - 1
6			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	Order No.	Pcs./Pkt.
EC 4 P TR	3240171	10

Technical data

Width	Length	Height	
22.2	**132.7**	**17.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**450**	**1 - 6**	**14-8**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
16 - 10	14-8	-	-
rigid	flexible	Ferrule without/with plastic sleeve	
1 - 6	1 - 6	0.75 - 4	0.75 - 4
0.75 - 2.5	0.75 - 1.5	0.75 - 1.5	-
-	-	-	0.5 - 1
7			
M3,5			
0.8 - 1			
PA			
V2			

Ordering data

Type	Order No.	Pcs./Pkt.
EC 6 P TR	3240175	10

Technical data

Width	Length	Height	
25.2	**173.9**	**20.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
76	**450**	**6 - 16**	**10-6**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
76 / 16	55 / -	-	-
16	-	-	-
10 - 6	10-6	-	-
rigid	flexible	Ferrule without/with plastic sleeve	
6 - 16	6 - 16	1.5 - 10	1.5 - 10
1.5 - 4	2.5 - 4	1.5 - 2.5	-
-	-	-	0.75 - 2.5
8			
M4			
1.2 - 1.5			
PA			
V2			

Ordering data

Type	Order No.	Pcs./Pkt.
EC 16 P TR	3240182	10

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Connection terminal blocks and control cabinet sockets

Europe connectors

- These Europe connectors are suitable for rigid and flexible conductors with a max. cross section of 25 mm²
- The prismatic clamping part facilitates conductor entry and secure contact can be established even in the case of conductors without ferrules
- Individual positions can be separated through a simple rotary motion, due to the polypropylene insulating housing
- The high-quality metal parts, which feature corrosion-resistant surfaces, are fixed securely in the housing



4 (4) mm², 32 A, 12-pos.



6 (6) mm², 41 A, 12-pos.

EAC

Technical data

Dimensions		Width	Length	Height	
	[mm]	**16.6**	**94.9**	**13**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**450**	**0.5 - 4**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	-	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	-	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	20 - 12	-	-	-
Connection capacity		rigid	flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 4	0.5 - 4	0.75 - 2.5	0.75 - 2.5
2 conductors (of the same type)	[mm²]	0.5 - 1	- 1	-	-
2 flexible conductors with TWIN ferrule	[mm²]	-	-	-	0.5
General data					
Stripping length	[mm]	5			
Screw thread		M2,6			
Tightening torque	[Nm]	0.4 - 0.5			
Insulating material		PP			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Europe connector, 12-pos.	white	**EC 4**	3240168	10
	black	**EC 4 BK**	3240169	10
	transparent	**EC 4 TR**	3240170	10

EAC

Technical data

		Width	Length	Height	
	[mm]	**18.9**	**116.5**	**14.9**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**450**	**0.75 - 6**	**-**
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
		450	-	-	-
		41 / 6	-	-	-
		6	-	-	-
		18 - 10	-	-	-
		rigid	flexible	Ferrule without/with plastic sleeve	
		0.75 - 6	0.75 - 6	0.75 - 4	0.75 - 2.5
		0.75 - 1.5	0.75 - 1.5	0.5 - 1	-
		-	-	-	0.5 - 1
		6			
		M3			
		0.5 - 0.6			
		PP			

Ordering data

Type	Order No.	Pcs./Pkt.
EC 6	3240172	10
EC 6 BK	3240173	10
EC 6 TR	3240174	10

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10 (10) mm², 57 A, 12-pos.



16 (16) mm², 76 A, 12-pos.



25 (25) mm², 101 A, 12-pos.

EAC

Technical data

Width	Length	Height	
17.3	**133.8**	**23.4**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	**450**	**1 - 10**	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	-	-	-
57 / 10	-	-	-
10	-	-	-
16 - 8	-	-	-

rigid	flexible	Ferrule without/with plastic sleeve	
1 - 10	1 - 10	1.5 - 6	1.5 - 4
1 - 2.5	1.5 - 2.5	0.75 - 1.5	-
-	-	-	0.5 - 1.5

7	
M3,5	
0.8 - 1	
PP	

Ordering data

Type	Order No.	Pcs./Pkt.
EC 10	3240176	10
EC 10 BK	3240177	10
EC 10 TR	3240178	10

EAC

Technical data

Width	Length	Height	
20.7	**174.5**	**25**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
76	**450**	**1.5 - 16**	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	-	-	-
76 / 16	-	-	-
16	-	-	-
14 - 6	-	-	-

rigid	flexible	Ferrule without/with plastic sleeve	
1.5 - 16	2.5 - 16	2.5 - 10	2.5 - 10
2.5 - 4	2.5 - 4	1.5 - 2.5	-
-	-	-	1 - 4

8	
M4	
1.2 - 1.5	
PP	

Ordering data

Type	Order No.	Pcs./Pkt.
EC 16	3240179	10
EC 16 BK	3240180	10
EC 16 TR	3240181	10

EAC

Technical data

Width	Length	Height	
30	**187.3**	**28**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
101	**750**	**10 - 25**	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
750	-	-	-
101 / 25	-	-	-
25	-	-	-
8 - 4	-	-	-

rigid	flexible	Ferrule without/with plastic sleeve	
10 - 25	10 - 25	4 - 16	4 - 10
4 - 6	4 - 6	2.5 - 4	-
-	-	-	1.5 - 6

9	
M5	
2 - 3	
PP	

Ordering data

Type	Order No.	Pcs./Pkt.
EC 25	3240183	10
EC 25 BK	3240184	10
EC 25 TR	3240185	10

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Junction box connectors





2.5 (2.5) mm², 24 A, 3-pos.

- Thanks to their Push-in connection technology, the three junction box connectors available from Phoenix Contact enable tool-free wiring in a restricted space
- Rigid solid conductors with a cross section range of 0.5 mm² to 2.5 mm² can be connected
- Rigid multi-stranded conductors (7 litz wires) with a cross section range of 1.5 mm² to 2.5 mm² can be safely connected
- Different cross sections are wired together in a junction box connector
- The transparent housing makes it easier to carry out a visual inspection of the terminal points, thereby increasing the safety of the wiring
- Integrated test openings enable the use of test devices once wiring has been completed

Technical data

Dimensions		Width	Length	Height	
	[mm]	**17.2**	**15.6**	**8.9**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**450**	**0.5 - 2.5**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	600	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	12	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	20 - 14	20-16	-	-
Connection capacity		rigid	flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	-	0 - 0	-
General data					
Stripping length	[mm]	8			
Insulating material		PC/PA			
Flammability rating in accordance with UL 94		V2			

Ordering data

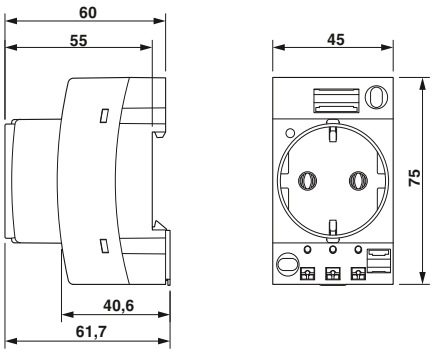
Description	Color	Type	Order No.	Pcs./Pkt.
Plug-in terminal block, 3-pos.	transparent	**JBC 2,5/3**	3240164	100
5-pos., width: 26 mm	transparent	**JBC 2,5/5**	3240165	100
8-pos., width: 39.2 mm	transparent	**JBC 2,5/8**	3240166	50

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Control cabinet sockets







Individual socket, Germany, Push-in connection

Sockets that can be mounted on DIN rails serve for easy connection of electrical auxiliary devices for assembly, testing, lighting, etc. They enable worldwide use in switchgear, control cabinets, and in simple sub-distributions. Worldwide use makes it essential to offer the sockets with pin connector patterns that are standard in each country, in accordance with the currently applicable standards and regulations. The mounting holes in the sockets mean that, in addition to mounting on a DIN rail in accordance with EN 60715, there is also the option of direct mounting in the service interface. The EO sockets are offered with both the proven screw connection, as well as the modern Push-in connection. The integrated functions such as LED, fuse, switch, circuit breaker or a combination of the functions with each other, offers a wide area of use.

Country-specific requirements for child-proofing are satisfied by the use of shutter systems. L1, N, and PE are arranged on one side of the socket in line with connections. The sockets are available as an individual or double version. The following pin connector patterns can be selected from the sockets:

– Type AB, type CF, type D, type E, type G, type I, type J, type K, type L, and type N
– Type E, type G, and type L are also supplied with an integrated shutter system
– The USA versions are offered with integrated circuit breaker in 15 A and 20 A
– Housing color: gray or green

With the VS-SI-xx / SI-xx mounting frame, the sockets can be used in various IP protection classes. For further information, visit phoenixcontact.net/products

Notes:

For accessories, refer to page: 566.

Technical data

Nominal voltage		250 V AC (50 Hz)	
Max. continuous current		16 A	
General data		EO-...	EO-...DUO...
Dimensions	W / H / D	45 mm / 75 mm / 60 mm	90 mm / 75 mm / 60 mm
Connection data rigid / flexible / AWG		0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
Degree of protection		IP20	
Insulation material		PA	
Ambient temperature range		-20°C ... 60°C	
Standards/regulations		VDE 0620-1	
Flammability rating in accordance with UL 94		V0	

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Socket for the DIN rail, Push-in connection			
Standard, gray	**EO-CF/PT**	**0804038**	5
Standard, green	**EO-CF/PT/GN**	**0804039**	5
Standard, yellow	**EO-CF/PT/YE**	**1068067**	5
LED display, gray	**EO-CF/PT/LED**	**0804040**	5
LED display, green	**EO-CF/PT/LED/GN**	**0804041**	5
LED display, yellow	**EO-CF/PT/LED/YE**	**1068075**	5
LED display and fuse 5 x 20 mm, 6.3 A, gray	**EO-CF/PT/LED/F**	**0804042**	5
Circuit breaker 15 A, gray LED display and fuse 5 x 20 mm, 6.3 A, green	**EO-CF/PT/LED/F/GN**	**0804043**	5
Switch, gray	**EO-CF/PT/S**	**0804045**	5
Switch, LED display, gray	**EO-CF/PT/LED/S**	**0804046**	5
Fuse 5 x 20 mm, 6.3 A, gray	**EO-CF/PT/F**	**0804047**	5
Fuse 5 x 20 mm, 6.3 A, green	**EO-CF/PT/F/GN**	**0804048**	5
Double socket, LED display, gray	**EO-CF/PT/LED/DUO**	**0804049**	2
Double socket, LED display, green	**EO-CF/PT/LED/DUO/GN**	**0804050**	2
Socket for the DIN rail, screw connection			
Standard, gray	**EO-CF/UT**	**0804024**	5
Standard, green	**EO-CF/UT/GN**	**0804025**	5
Standard, yellow	**EO-CF/UT/YE**	**1068038**	5
LED display, gray	**EO-CF/UT/LED**	**0804026**	5
LED display, green	**EO-CF/UT/LED/GN**	**0804027**	5
LED display, yellow	**EO-CF/UT/LED/YE**	**1068028**	5
LED display and fuse 5 x 20 mm, 6.3 A, gray	**EO-CF/UT/LED/F**	**0804029**	5
Circuit breaker 15 A, gray Circuit breaker 20 A, gray LED display and fuse 5 x 20 mm, 6.3 A, green	**EO-CF/UT/LED/F/GN**	**0804030**	5
LED display, yellow	**EO-CF/UT/LED/F/YE**	**1068030**	5
Switch, gray	**EO-CF/UT/S**	**0804032**	5
Switch, LED display, gray	**EO-CF/UT/LED/S**	**0804033**	5
Fuse 5 x 20 mm, 6.3 A, gray	**EO-CF/UT/F**	**0804034**	5
Fuse 5 x 20 mm, 6.3 A, green	**EO-CF/UT/F/GN**	**0804035**	5
Double socket, LED display, gray	**EO-CF/UT/LED/DUO**	**0804036**	2
Double socket, LED display, green	**EO-CF/UT/LED/DUO/GN**	**0804037**	2

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Individual socket, USA, Push-in connection



Double socket, USA, circuit breaker, Push-in connection



Individual socket, India, Africa, Push-in connection

Technical data

125 V AC (60 Hz)	
15 A	
EO-...	EO-...DUO...
45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
IP20	
PA	
-20°C ... 60°C	
UL 508	
V0	

Technical data

125 V AC (60 Hz)	
15 A	
EO-...	
54 mm / 137 mm / 57.5 mm	
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
IP20	
PA	
-20°C ... 60°C	
UL 508	
V2	

Technical data

250 V AC (50 Hz)	
6 A	
EO-...	EO-...DUO...
45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
IP20	
PA	
-20°C ... 60°C	
IS 1293	
V0	

Ordering data

Type	Order No.	Pcs./Pkt.
EO-AB/PT/15	0804165	5
EO-AB/PT/LED/15	0804168	5
EO-AB/PT/LED/F	0804171	5
EO-AB/PT/S/15	0804173	5
EO-AB/PT/LED/S/15	0804174	5
EO-AB/PT/F	0804175	5
EO-AB/PT/LED/DUO/15	0804177	2
EO-AB/UT/15	0804152	5
EO-AB/UT/LED/15	0804155	5
EO-AB/UT/LED/F	0804157	5
EO-AB/UT/S/15	0804159	5
EO-AB/UT/LED/S/15	0804160	5
EO-AB/UT/F	0804161	5
EO-AB/UT/LED/DUO/15	0804163	2

Ordering data

Type	Order No.	Pcs./Pkt.
EO-AB/PT/SH/LED/DUO/V/GFI/15	0804184	1
EO-AB/UT/SH/LED/DUO/V/GFI/15	0804179	1
EO-AB/UT/SH/LED/DUO/V/GFI/20	0804181	1

Ordering data

Type	Order No.	Pcs./Pkt.
EO-D/PT	0804009	5
EO-D/PT/GN	0804010	5
EO-D/PT/LED	0804011	5
EO-D/PT/LED/GN	0804012	5
EO-D/PT/LED/DUO	0804013	2
EO-D/PT/LED/DUO/GN	0804014	2
EO-D/UT	0804000	5
EO-D/UT/GN	0804001	5
EO-D/UT/LED	0804003	5
EO-D/UT/LED/GN	0804004	5
EO-D/UT/F	0804005	5
EO-D/UT/F/GN	0804006	5
EO-D/UT/LED/DUO	0804007	2
EO-D/UT/LED/DUO/GN	0804008	2

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Control cabinet sockets



To prevent unintentional contact with live components, the type E, G, and L sockets have integrated touch protection (child-proofing). This is enshrined in the respective country standards, such as NF C61-314.



Individual socket, Italy, Push-in connection with shutter

Technical data

Nominal voltage		250 V AC (50 Hz)	
Max. continuous current		16 A	
General data		EO-...	EO-...DUO...
Dimensions	W / H / D	45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm
Connection data rigid / flexible / AWG		0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
Degree of protection		IP20	
Insulation material		PA	
Ambient temperature range		-20°C ... 60°C	
Standards/regulations		CEI 23-50	
Flammability rating in accordance with UL 94		V0	

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Socket for the DIN rail, Push-in connection				
Standard, gray		**EO-L/PT/SH**	0804132	5
Standard, green		**EO-L/PT/SH/GN**	0804133	5
LED display, gray		**EO-L/PT/SH/LED**	0804134	5
LED display, green		**EO-L/PT/SH/LED/GN**	0804135	5
Double socket, LED display, gray		**EO-L/PT/SH/LED/DUO**	0804136	2
Double socket, LED display, green		**EO-L/PT/SH/LED/DUO/GN**	0804137	2
Switch, gray				
Switch, LED display, gray				
Socket for the DIN rail, screw connection				
Standard, gray		**EO-L/UT/SH**	0804126	5
Standard, green		**EO-L/UT/SH/GN**	0804127	5
LED display, gray		**EO-L/UT/SH/LED**	0804128	5
LED display, green		**EO-L/UT/SH/LED/GN**	0804129	5
Double socket, LED display, gray		**EO-L/UT/SH/LED/DUO**	0804130	2
Double socket, LED display, green		**EO-L/UT/SH/LED/DUO/GN**	0804131	2
LED display, yellow				
Switch, gray				
Switch, LED display, gray				

Accessories

UniCard, for terminal blocks with a flat marker groove, 64-section, 7 individual labels per strip, for a terminal block width of 8.2 mm	white	**UC-TMF 8**	0818137	10
UniCard, for terminal blocks with a flat marker groove, 32-section, 4 individual labels per strip, for a terminal block width of 16 mm	white	**UC-TMF 16**	0819262	10
Zack marker strip, flat, 10-section, without color print	white	**ZBF 8:UNBEDRUCKT**	0808781	10
Zack marker strip, flat, 5-section, without color print	white	**ZBF 16:UNPRINTED**	0827464	10

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**Individual socket, France,
Push-in connection with shutter**



**Individual socket, Great Britain,
Push-in connection with shutter**

Technical data

	250 V AC (50 Hz)
	16 A
	EO-...
	45 mm / 75 mm / 57.5 mm
	0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12
	IP20
	PA
	-20°C ... 60°C
	NF C61-314
	V0

Ordering data

Type	Order No.	Pcs./Pkt.
EO-E/PT/SH	0804020	5
EO-E/PT/SH/GN	0804021	5
EO-E/PT/SH/LED	0804022	5
EO-E/PT/SH/LED/GN	0804023	5
EO-E/UT/SH	0804016	5
EO-E/UT/SH/GN	0804017	5
EO-E/UT/SH/LED	0804018	5
EO-E/UT/SH/LED/GN	0804019	5
EO-E/UT/SH/LED/YE	1068076	5

Accessories

UC-TMF 8	0818137	10
UC-TMF 16	0819262	10
ZBF 8:UNBEDRUCKT	0808781	10
ZBF 16:UNPRINTED	0827464	10

Technical data

	250 V AC (50 Hz)
	13 A
	EO-...
	45 mm / 75 mm / 57.5 mm
	0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12
	IP20
	PA
	-20°C ... 60°C
	BS 1363-1/-2
	V0

Ordering data

Type	Order No.	Pcs./Pkt.
EO-G/PT/SH	0804063	5
EO-G/PT/SH/GN	0804064	5
EO-G/PT/SH/LED	0804065	5
EO-G/PT/SH/LED/GN	0804066	5
EO-G/PT/SH/S	0804069	5
EO-G/PT/SH/LED/S	0804070	5
EO-G/UT/SH	0804051	5
EO-G/UT/SH/GN	0804052	5
EO-G/UT/SH/LED	0804053	5
EO-G/UT/SH/LED/GN	0804054	5
EO-G/UT/SH/S	0804058	5
EO-G/UT/SH/LED/S	0804059	5

Accessories

UC-TMF 8	0818137	10
UC-TMF 16	0819262	10
ZBF 8:UNBEDRUCKT	0808781	10
ZBF 16:UNPRINTED	0827464	10

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Control cabinet sockets



The socket can be operated independently of the control cabinet circuit. In the event of an error, this enables the use of current-operated external measurement devices, that are called upon for fault analysis. An LED display advises of the voltage connected to the socket.



Individual socket, Brazil, South Africa, Push-in connection

Technical data

Nominal voltage		250 V AC (50 Hz ... 60 Hz)	
Max. continuous current		10 A	
General data		EO-...	EO-...DUO...
Dimensions	W / H / D	45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm
Connection data rigid / flexible / AWG		0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
Degree of protection		IP20	
Insulation material		PA	
Ambient temperature range		-20°C ... 60°C	
Standards/regulations		NBR 14136	
Flammability rating in accordance with UL 94		V0	

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Socket for DIN rail, Push-in connection, 10 A				
Standard, gray		**EO-N/PT**	0804146	5
Standard, green		**EO-N/PT/GN**	0804147	5
LED display, gray		**EO-N/PT/LED**	0804148	5
LED display, green		**EO-N/PT/LED/GN**	0804149	5
Double socket, LED display, gray		**EO-N/PT/LED/DUO**	0804150	2
Double socket, LED display, green		**EO-N/PT/LED/DUO/GN**	0804151	2
Socket for DIN rail, screw connection, 20 A				
Standard, gray		**EO-N/UT**	0804139	5
Standard, green		**EO-N/UT/GN**	0804140	5
LED display, gray		**EO-N/UT/LED**	0804142	5
LED display, green		**EO-N/UT/LED/GN**	0804143	5
Double socket, LED display, gray		**EO-N/UT/LED/DUO**	0804144	2
Double socket, LED display, green		**EO-N/UT/LED/DUO/GN**	0804145	2

Accessories

UniCard, for terminal blocks with a flat marker groove, 64-section, 7 individual labels per strip, for a terminal block width of 8.2 mm	white	**UC-TMF 8**	0818137	10
UniCard, for terminal blocks with a flat marker groove, 32-section, 4 individual labels per strip, for a terminal block width of 16 mm	white	**UC-TMF 16**	0819262	10
Zack marker strip, flat, 10-section, without color print	white	**ZBF 8:UNBEDRUCKT**	0808781	10
Zack marker strip, flat, 5-section, without color print	white	**ZBF 16:UNPRINTED**	0827464	10

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Individual socket, China, Australia, Push-in connection



Individual socket, Switzerland, Push-in connection



Individual socket, Denmark, Push-in connection

Technical data

250 V AC (50 Hz)		
10 A		
EO-...	EO-...DUO...	
45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm	
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12		
IP20		
PA		
-20°C ... 60°C		
GB 2099.1 and GB 1002		
V0		

Technical data

250 V AC (50 Hz)		
16 A		
EO-...	EO-...DUO...	
45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm	
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12		
IP20		
PA		
-20°C ... 60°C		
SEV 1011		
V0		

Technical data

250 V AC (50 Hz)		
16 A		
EO-...	EO-...DUO...	
45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm	
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12		
IP20		
PA		
-20°C ... 60°C		
SR 107-2-D1		
V0		

Ordering data

Type	Order No.	Pcs./Pkt.
EO-I/UT	**0804087**	5
EO-I/UT/GN	**0804088**	5
EO-I/UT/LED	**0804089**	5
EO-I/UT/LED/GN	**0804090**	5
EO-I/UT/LED/DUO	**0804091**	2
EO-I/UT/LED/DUO/GN	**0804092**	2

Ordering data

Type	Order No.	Pcs./Pkt.
EO-J/PT	**0804105**	5
EO-J/PT/GN	**0804106**	5
EO-J/PT/LED	**0804107**	5
EO-J/PT/LED/GN	**0804108**	5
EO-J/PT/LED/DUO	**0804110**	2
EO-J/PT/LED/DUO/GN	**0804111**	2
EO-J/UT	**0804099**	5
EO-J/UT/GN	**0804100**	5
EO-J/UT/LED	**0804101**	5
EO-J/UT/LED/GN	**0804102**	5
EO-J/UT/LED/DUO	**0804103**	2
EO-J/UT/LED/DUO/GN	**0804104**	2

Ordering data

Type	Order No.	Pcs./Pkt.
EO-K/PT	**0804119**	5
EO-K/PT/GN	**0804120**	5
EO-K/PT/LED	**0804121**	5
EO-K/PT/LED/GN	**0804122**	5
EO-K/PT/LED/DUO	**0804123**	2
EO-K/PT/LED/DUO/GN	**0804124**	2
EO-K/UT	**0804113**	5
EO-K/UT/GN	**0804114**	5
EO-K/UT/LED	**0804115**	5
EO-K/UT/LED/GN	**0804116**	5
EO-K/UT/LED/DUO	**0804117**	2
EO-K/UT/LED/DUO/GN	**0804118**	2

Accessories

UC-TMF 8	**0818137**	10
UC-TMF 16	**0819262**	10
ZBF 8:UNBEDRUCKT	**0808781**	10
ZBF 16:UNPRINTED	**0827464**	10

Accessories

UC-TMF 8	**0818137**	10
UC-TMF 16	**0819262**	10
ZBF 8:UNBEDRUCKT	**0808781**	10
ZBF 16:UNPRINTED	**0827464**	10

Accessories

UC-TMF 8	**0818137**	10
UC-TMF 16	**0819262**	10
ZBF 8:UNBEDRUCKT	**0808781**	10
ZBF 16:UNPRINTED	**0827464**	10

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Shielding

SK ... shield connection clamps

The screw-type shield connection clamps in the SK series are characterized by:
– Simple handling
– Knurled screw
– Spring-loaded, large pressure piece
– Suitable for direct and busbar mounting

Notes:
Dimensional drawings can be found on page 577.



Shield connection clamps for busbar mounting



Shield connection clamps for direct mounting

EAC

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shield connection clamp, for applying the shield to busbars, contact resistance < 1 mΩ				
Ø 2-5 mm, tightening torque 0.4 Nm	silver	**SK 5**	3025338	10
Ø 3-8 mm, tightening torque 0.6 Nm	silver	**SK 8**	3025163	10
Ø 3-14 mm, tightening torque 0.8 Nm	silver	**SK 14**	3025176	10
Ø 5-20 mm, tightening torque 0.8 Nm	silver	**SK 20**	3025189	10
Ø 5 - 28 mm, tightening torque 1 Nm	silver	**SK 28**	3026997	10
Ø 20-35 mm, tightening torque 1.2 Nm	silver	**SK 35**	3026463	10
Shield connection clamp, for applying the shield directly to the conductive mounting plates, plate thickness 1-2 mm				
Ø 2-5 mm, tightening torque 0.4 Nm	silver			
Ø 3-8 mm, tightening torque 0.6 Nm	silver			
Ø 3-14 mm, tightening torque 0.8 Nm	silver			
Ø 5-20 mm, tightening torque 0.8 Nm	silver			
Ø 5 - 28 mm, tightening torque 1 Nm	silver			
Ø 20-35 mm, tightening torque 1.2 Nm	silver			

Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A			
	NLS-CU 3/10 SN 1000MM	0402174	10

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SK 5-D	3025406	10
SK 8-D	3026861	10
SK 14-D	3026874	10
SK 20-D	3026887	10
SK 28-D	3027006	10
SK 35-D	3026890	10

Accessories

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SKS ... shield connection clamps

– The SKS ... spring-type shield connection clamps are available for cable and conductor diameters of between 3 and 20 mm
– Three different forms of mounting are possible: on NS 35 DIN rails, on busbars or directly on conductive mounting plates

Notes:

Dimensional drawings can be found on page 577.



Shield connection clamps for busbar and direct mounting



Shield connection clamps for DIN rail mounting

EAC

Description	Color	Type	Order No.	Pcs./Pkt.
Shield connection clamp, for applying the shield to busbars, contact resistance < 1 mΩ				
Ø 3-8 mm	silver	**SKS 8**	3240210	10
Ø 3-14 mm	silver	**SKS 14**	3240211	10
Ø 5-20 mm	silver	**SKS 20**	3240212	10
Shield connection clamp, for directly applying the shield to conductive mounting plates, metal thickness 1-2 mm, with fastening screw M4				
Ø 3-8 mm	silver	**SKS 8-D**	3240213	10
Ø 3-14 mm	silver	**SKS 14-D**	3240214	10
Ø 5-20 mm	silver	**SKS 20-D**	3240215	10
Ø 5-32 mm	silver	**SKS 32-D**	3062906	10
Shield connection clamp, with screwfix, mounting on DIN rail NS 35..., for shield support on busbars				
Ø 3-8 mm	silver			
Ø 3-14 mm	silver			
Ø 5-20 mm	silver			
Shield connection clamp, with snap-on foot,mounting on DIN rail NS 35..., for shield support on busbars				
Ø 3-8 mm	silver			
Ø 3-14 mm	silver			
Ø 5-20 mm	silver			

Ordering data

Accessories

Description	Type	Order No.	Pcs./Pkt.
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A			
	NLS-CU 3/10 SN 1000MM	0402174	10

EAC

Type	Order No.	Pcs./Pkt.
SKS 8-NS35	3240216	10
SKS 14-NS35	3240217	10
SKS 20-NS35	3240218	10
SKS 8-SNS35	3062786	10
SKS 14-SNS35	3062799	10
SKS 20-SNS35	3062809	10

Ordering data

Accessories

Type	Order No.	Pcs./Pkt.
NLS-CU 3/10 SN 1000MM	0402174	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Support bracket for shield support on one side



AB-SK TOP

– For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
– The 3 x 10 mm rail can be mounted in the support frames vertically, horizontally and at a 45° angle for optimum conductor placing
– Compact design in a 5.2 mm pitch
– Can be marked with zack marker strip and KLM ... terminal strip markers
– Parking facility for plug-in bridges FBS
– End bracket function
– For mounting SK and SKS shield connection clamps

AB-SK

– The single-sided shield support frames AB-SK are particularly well suited to space-saving conductor connection for terminal blocks and devices with cable entry at the side
– Available in two lengths
– For mounting SK shield connection clamps

AB-SKS

– For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
– Isolated to DIN rail
– End bracket function
– For mounting SK and SKS shield connection clamps



Support bracket frame, tall, for SK and SKS shield connection clamps

Technical data

Dimensions	Width	Length	Height
[mm]	5.2	102.4	
General data			
Material	PA		

Ordering data

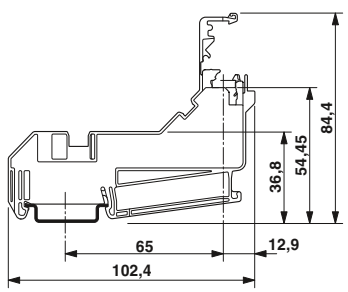
Description	Color	Type	Order No.	Pcs./Pkt.
Support bracket frame with end holder function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK and SKS shield connection clamps	gray	**AB-SK TOP**	3062090	10
Support bracket with end holder function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray	**AB-SK TOP INSULATED**	3062074	10
Support bracket, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			
Support bracket, 65 mm, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			
Support bracket with end holder function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray			

Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	0402174	10

Lateral groove marking	UC-TM 5, UCT-TM 5 or ZB 5 UC-TMF 5, UCT-TMF 5 or ZBF 5





AB-SK TOP

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Support bracket frame, for SK shield connection clamps



Support bracket, 65 mm long, for SK shield connection clamps



Isolated support bracket, tall, for SK and SKS shield connection clamps

Technical data

Width	Length	Height
6.2	77.35	

PA

Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK	3025341	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height
6.2	95.5	

PA

Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK 65	3026489	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height
9.5	97.8	

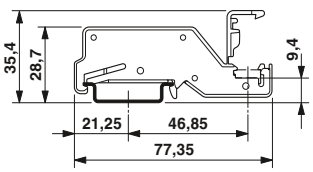
PA

Ordering data

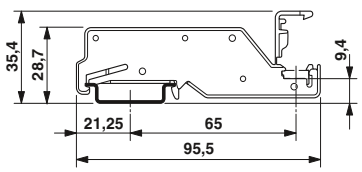
Type	Order No.	Pcs./Pkt.
AB-SKS 60	3240223	10

Accessories

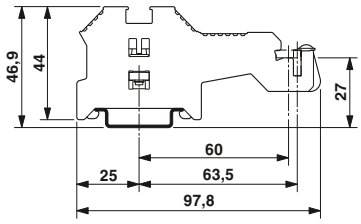
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK



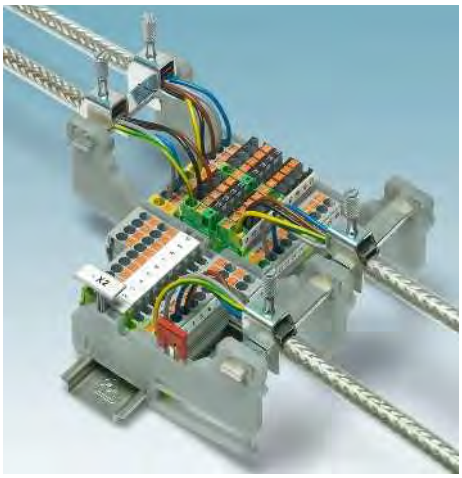
AB-SK 65



AB-SKS 60

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Double support bracket for shield support on both sides



AB-SK-D TOP

- For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
- The 3 x 10 mm rail can be mounted in the support frames vertically, horizontally and at a 45° angle for optimum conductor placing
- Compact design in a 5.2 mm pitch
- Can be marked with zack marker strip and KLM ... terminal strip markers
- Parking facility for bridges and connectors
- For mounting SK and SKS shield connection clamps

AB-SK 65-D

- The double shield support frames are particularly well suited to space-saving conductor connections for terminal blocks and devices with cable entry at the side
- Available in two lengths
- For mounting SK shield connection clamps



Double support bracket, tall, for SK and SKS shield connection clamps

Technical data

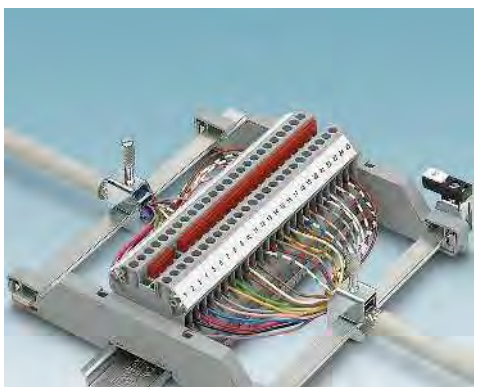
Dimensions	Width	Length	Height
[mm]	5.2	155.8	
General data			
Material	PA		

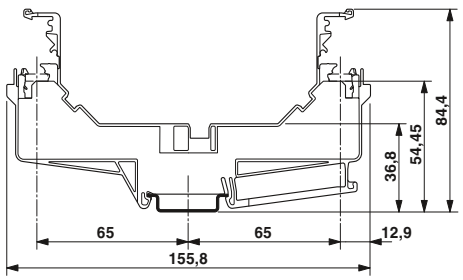
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Double support bracket with end bracket function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK and SKS shield connection clamps	gray	**AB-SK-D TOP**	3062100	10
Double support bracket with end bracket function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray			
Double support bracket, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			
Double support bracket, 65 mm, for mounting on NS 35..., isolated to NS 35... for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			

Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	0402174	10
Lateral groove marking		**UC-TM 5, UCT-TM 5 or ZB 5**		
		UC-TMF 5, UCT-TMF 5 or ZBF 5		





AB-SK-D TOP

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Isolated, double support bracket, tall, for SK and SKS shield connection clamps



Double support bracket, tall, for SK shield connection clamps



Isolated, double support bracket, tall, for SK shield connection clamps

Technical data

Width	Length	Height
5.2	155.8	

PA

Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK-D TOP INSULATED	3062087	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

UC-TM 5, UCT-TM 5 or ZB 5

UC-TMF 5, UCT-TMF 5 or ZBF 5

Technical data

Width	Length	Height
8.2	150	

PA

Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK 65-D	3026900	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height
8.2	150	

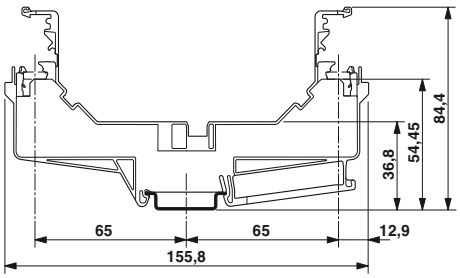
PA

Ordering data

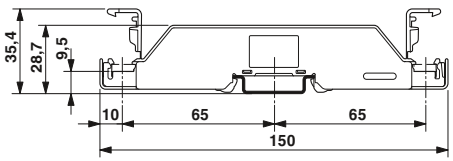
Type	Order No.	Pcs./Pkt.
AB-SK 65-D INSULATED	3040889	10

Accessories

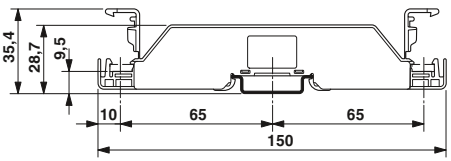
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK-D TOP INSULATED



AB-SK 65-D



AB-SK 65-D INSULATED

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Support bracket frame for direct mounting

The support frames are available in the following versions:
– AB/SS for isolated installation on the mounting plate and
– AB/SS-M for non-isolated installation on the mounting plate
– For mounting SK and SKS shield connection clamps

Notes:
For dimensional drawings, see phoenixcontact.net/products

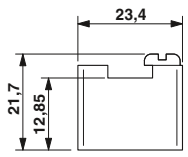


Support bracket for SK shield connection clamps

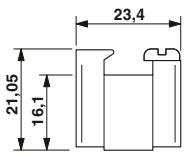


Support bracket for SK and SKS shield connection clamps

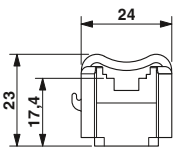
		Technical data			Technical data		
General data							
Material		PA			PA		
		Ordering data			**Ordering data**		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
Support bracket, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars	gray	**AB/SS**	0404428	10			
Support bracket, with contact to the mounting plate, with retaining screw, for 3 x 10 mm busbars	gray	**AB/SS-M**	3025888	10			
Support bracket, insulated, for 3 x 10 mm or 6 x 6 mm busbars	gray				**AB/SKS**	3240224	10
		Accessories			**Accessories**		
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	0402174	10	**NLS-CU 3/10 SN 1000MM**	0402174	10



AB/SS



AB/SS-M



AB/SKS

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Multi-level support bracket for direct mounting



- Double and triple support frames for different busbars
- Type allows for an extremely compact design using large amounts of wiring, e.g., for multi-level front connection terminal blocks
- Support frames are isolated
- Direct mounting



Support bracket, multi-level, insulated

Technical data

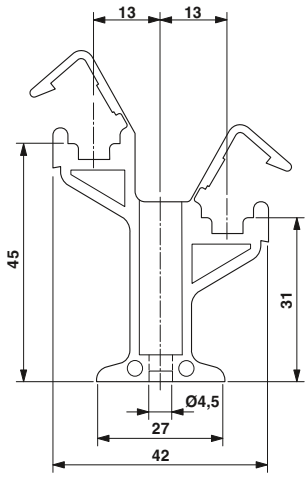
General data	
Material	PA

Ordering data

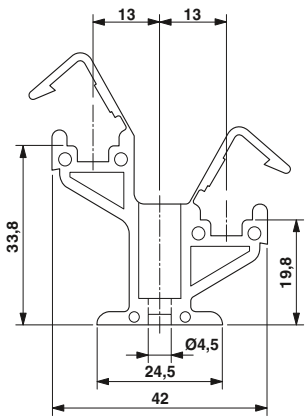
Description	Color	Type	Order No.	Pcs./Pkt.
Double support bracket, made from insulation material, can be optionally used for either 3 x 10 mm or 6 x 6 mm neutral busbar				
Height 48 mm	gray	**AB2/SS**	0404431	10
Height 36.8 mm	gray	**ABN 2/SS**	0404460	10
Triple support bracket, made from insulation material	gray	**AB3/SS**	0800086	10

Accessories

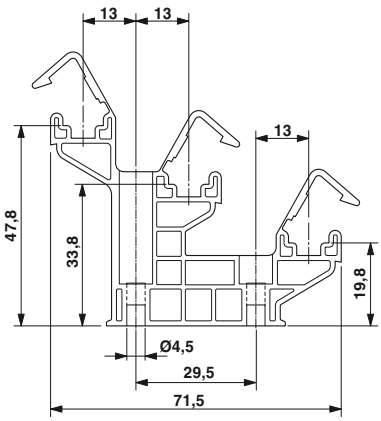
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	0402174	10
PEN conductor busbar, in accordance with DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 6/ 6 SN 1000MM**	0402161	10



AB2/SS



ABN 2/SS



AB3/SS

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Support bracket frame for direct and DIN rail mounting



- T-shaped support frames for space-saving direct mounting and free positioning on the mounting plate
- Suitable for SK 5 to SK 14, SKS 8, and SKS 14 shield connection clamps
- Version for NS 35 DIN rail mounting



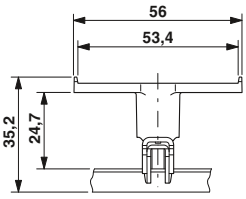
Support bracket

Technical data

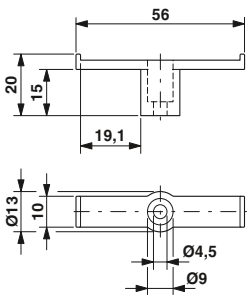
General data	
Material	Aluminum

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Support bracket, for direct mounting with contacting on the mounting surface	silver	**AB-SK/E**	3026476	10
Support bracket frame, for mounting on NS 35 DIN rails	silver	**AB-SK/E-NS 35**	3213111	10



AB-SK/E-NS 35

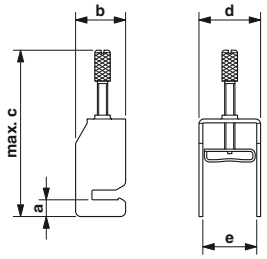


AB-SK/E

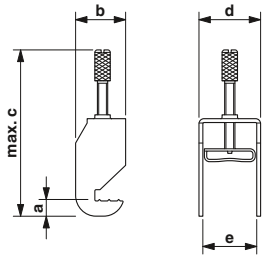
Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

SK shield connection clamps

	Dimensions [mm]				
Terminal block	a	b	c	d	e
SK 5	6.5	19.5	46.8	9	6
SK 8	6.5	19.5	48.7	12	9
SK 14	6.5	19.5	59.3	17	14
SK 20	6.5	19.5	75	24	21
SK 28	6.5	20	93	32	28
SK 35	6.5	20	106.5	40	36
SK 5-D	6.5	19.5	46.8	9	6
SK 8-D	6.5	19.5	47.2	12	9
SK 14-D	6.5	19.5	57.8	17	14
SK 20-D	6.5	19.5	73.5	24	21
SK 28-D	6.5	20	91.5	32	28
SK 35-D	6.5	20	105.0	41	36



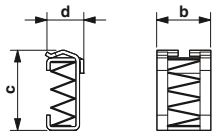
SK ...



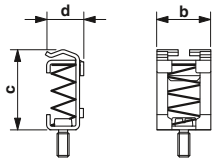
SK ...-D

SKS shield connection clamps

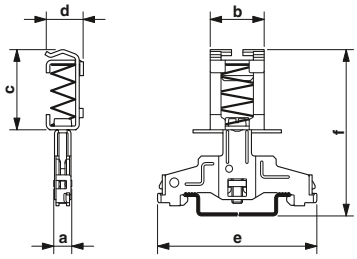
	Dimensions [mm]					
Terminal block	a	b	c	d	e	f
SKS 8	–	18	26	12.4	–	–
SKS 14	–	21	32	19	–	–
SKS 20	–	27	40.5	24.7	–	–
SKS 8-D	–	18	26	12.4	–	–
SKS 14-D	–	21	32	19	–	–
SKS 20-D	–	27	40.5	24.7	–	–
SKS 8-NS35	6	18	26	12.4	52	54
SKS 14-NS35	6	21	32	19	52	60
SKS 20-NS35	6	27	40.5	24.7	52	68.4



SKS ...



SKS ...-D

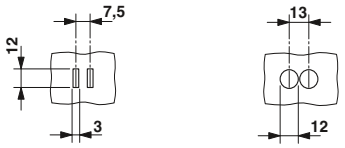


SKS ...-NS35

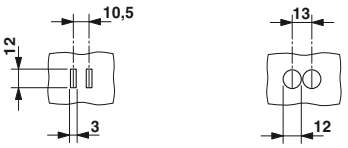
Drilling and punching patterns for SK ...-D

Punching template

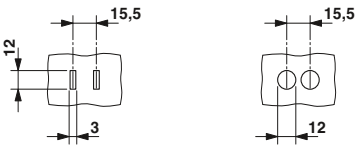
Drilling diagram



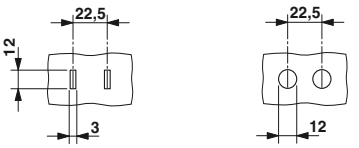
SK 5-D



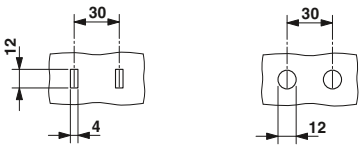
SK 8-D



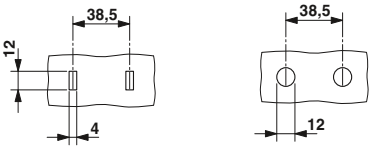
SK 14-D



SK 20-D



SK 28-D



SK 35-D

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CGS cable guiding system





The cable guiding system makes it particularly easy and safe to install your conductors, cables, and cable harnesses for the control cabinet door or swivel mounting frame.

– Subsequent wiring can be performed quickly and easily via the rotating blisters which can be operated without tools
– Cable routing for the control cabinet door can be planned with the CAD system using the defined installation space and swivel range
– Quick and easy mounting, thanks to integrated flanges with strain relief
– Mechanical cable protection and bundling, thanks to covering hoods that can be attached without tools
– Secure with M5 tapping screws

Technical data

Dimensions		Width	Length	Height
	[mm]	**68**	**218**	**140.5**
General data				
Cable entry opening	[mm]	42		
Number of cables		100 for 1.5 mm²		
Insulating material		-		
Flammability rating in accordance with UL 94		V0		

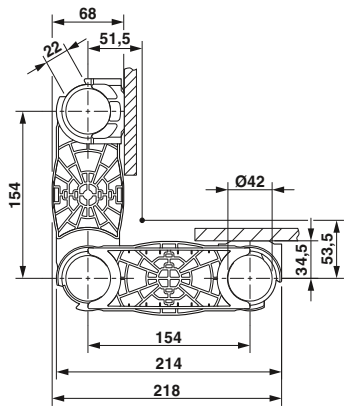
Ordering data

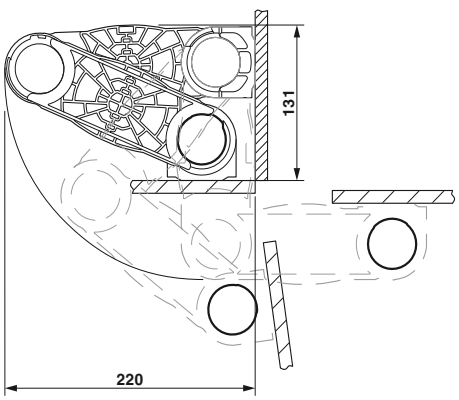
Description	Color	Type	Order No.	Pcs./Pkt.
Cable guiding system, with swivel joint for opening	gray	**CGSA 50**	3071401	1
Cable entry opening, with closed swivel joint	gray	**CGS 50**	3071400	1

Accessories

CGS-AH 50 SET	3071410	1







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Halogen-free cable ducts and accessories

– Installed conductors are securely held in place by means of wire retaining clips that can be snapped onto bars on the side
– The wide, diagonal heads of the cable duct bars make it easy to fit the cover and hold it securely in place

Notes:

For cable ducts cut to customer requirements, visit: phoenixcontact.net/products



Cable ducts, halogen-free



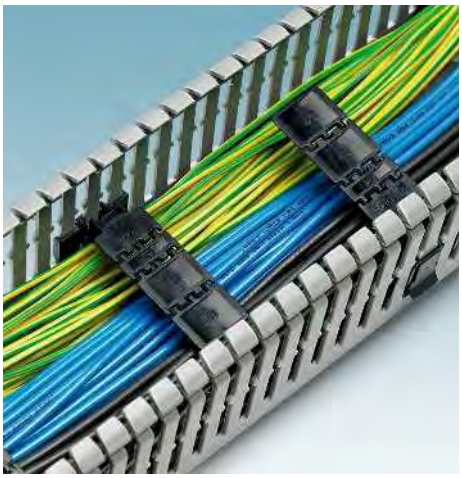
Cable ducts, halogen-free

	Technical data	Technical data
General data		
Material	PC/ABS	PC/ABS
Components	Halogen-free	Halogen-free
Flammability rating in accordance with UL 94	V0	V0
Temperature range [°C]	-40 ... 90	-40 ... 90

	Ordering data			Ordering data		
Description	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cable duct, 2000 mm long, comprising **lower** and **upper part**						
W x H: 25 x 25 mm	**CD-HF 25X25**	3240340	25	**CD 25X25 BU**	3240301	25
W x H: 25 x 40 mm	**CD-HF 25X40**	3240341	24	**CD-HF 25X40 BU**	3240583	24
W x H: 25 x 60 mm	**CD-HF 25X60**	3240342	15	**CD-HF 25X60 BU**	3240584	15
W x H: 25 x 80 mm	**CD-HF 25X80**	3240343	10	**CD-HF 25X80 BU**	3240585	10
W x H: 30 x 40 mm	**CD-HF 30X40**	3240344	20			
W x H: 30 x 60 mm	**CD-HF 30X60**	3240345	24			
W x H: 30 x 80 mm	**CD-HF 30X80**	3240346	12			
W x H: 30 x 100 mm	**CD-HF 30X100**	3240347	12	**CD-HF 30X100 BU**	3240589	12
W x H: 40 x 40 mm	**CD-HF 40X40**	3240348	25	**CD-HF 40X40 BU**	3240590	25
W x H: 40 x 60 mm	**CD-HF 40X60**	3240349	20			
W x H: 40 x 80 mm	**CD-HF 40X80**	3240350	10	**CD-HF 40X80 BU**	3240592	10
W x H: 40 x 100 mm	**CD-HF 40X100**	3240351	10	**CD-HF 40X100 BU**	3240593	10
W x H: 60 x 40 mm	**CD-HF 60X40**	3240352	20	**CD-HF 60X40 BU**	3240594	20
W x H: 60 x 60 mm	**CD-HF 60X60**	3240353	12	**CD-HF 60X60 BU**	3240595	12
W x H: 60 x 80 mm	**CD-HF 60X80**	3240354	10	**CD-HF 60X80 BU**	3240596	10
W x H: 60 x 100 mm	**CD-HF 60X100**	3240355	8	**CD-HF 60X100 BU**	3240597	8
W x H: 80 x 25 mm	**CD-HF 80X25**	3240356	12			
W x H: 80 x 40 mm	**CD-HF 80X40**	3240357	15	**CD-HF 80X40 BU**	3240599	15
W x H: 80 x 60 mm	**CD-HF 80X60**	3240358	10	**CD-HF 80X60 BU**	3240600	10
W x H: 80 x 80 mm	**CD-HF 80X80**	3240359	6	**CD-HF 80X80 BU**	3240601	6
W x H: 80 x 100 mm	**CD-HF 80X100**	3240360	8	**CD-HF 80X100 BU**	3240602	8
W x H: 100 x 40 mm	**CD-HF 100X40**	3240361	10			
W x H: 100 x 60 mm	**CD-HF 100X60**	3240362	8			
W x H: 100 x 80 mm	**CD-HF 100X80**	3240363	6	**CD-HF 100X80 BU**	3240605	6
W x H: 100 x 100 mm	**CD-HF 100X100**	3240364	6	**CD-HF 100X100 BU**	3240606	6
W x H: 120 x 60 mm	**CD-HF 120X60**	3240365	6			
W x H: 120 x 80 mm	**CD-HF 120X80**	3240366	4	**CD-HF 120X80 BU**	3240608	4

	Accessories			Accessories		
Plastic body-bound rivet, 4 mm diameter, for a material thickness of 1.5 ... 6 mm						
	RVT-PA 4	3240498	100	**RVT-PA 4**	3240498	100
6 mm diameter, material thickness of 2 ... 8 mm	**RVT-PA 6**	3240499	100	**RVT-PA 6**	3240499	100
Rivet setting tool, for processing the plastic body-bound rivet RVT–PA 4						
	UNIFOX-RVT P 4	1212478	1	**UNIFOX-RVT P 4**	1212478	1
Rivet setting tool, for use with RVT–PA 6 plastic body-bound rivets						
	UNIFOX-RVT P 6	1212509	1	**UNIFOX-RVT P 6**	1212509	1

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– Installed conductors are securely held in place by means of wire retaining clips that can be snapped onto bars on the side
– The wide, diagonal heads of the cable duct bars make it easy to fit the cover and hold it securely in place



– Predetermined breaking point enables tool-free, burr-free removal of bars
– The CUTFOX-CD cable duct cutter for easy cutting with minimum effort and no burrs



– Plastic body-bound rivets enable easy fixing of cable ducts using the rivet setting tool



– Thanks to its powerful leverage and special blade geometry, the PPS CD cable duct cutter allows easy cutting with minimum effort and no burrs

Notes:

For cable ducts cut to customer requirements, visit: phoenixcontact.net/products

General data	
Material	
Flammability rating in accordance with UL 94	
Temperature range	[°C]

Description
Cable duct, 2000 mm long, comprising **lower** and **upper part**
W x H: 25 x 25 mm
W x H: 25 x 40 mm
W x H: 25 x 60 mm
W x H: 25 x 80 mm
W x H: 30 x 40 mm
W x H: 30 x 60 mm
W x H: 30 x 80 mm
W x H: 30 x 100 mm
W x H: 40 x 40 mm
W x H: 40 x 60 mm
W x H: 40 x 80 mm
W x H: 40 x 100 mm
W x H: 60 x 40 mm
W x H: 60 x 60 mm
W x H: 60 x 80 mm
W x H: 60 x 100 mm
W x H: 80 x 25 mm
W x H: 80 x 40 mm
W x H: 80 x 60 mm
W x H: 80 x 80 mm
W x H: 80 x 100 mm
W x H: 100 x 40 mm
W x H: 100 x 60 mm
W x H: 100 x 80 mm
W x H: 100 x 100 mm
W x H: 120 x 60 mm
W x H: 120 x 80 mm
Universal wire holding bracket, pre-perforated for cable duct widths of 40, 60, 80 and 100 mm
Plastic body-bound rivet, 4 mm diameter, for a material thickness of 1.5 ... 6 mm
6 mm diameter, material thickness of 2 ... 8 mm
Rivet setting tool, for processing the plastic body-bound rivet RVT–PA 4
Rivet setting tool, for use with RVT–PA 6 plastic body-bound rivets

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Cable ducts, gray



Cable ducts, white



Cable ducts, blue

Technical data

PVC
V0
-5 ... 60

Ordering data

Type	Order No.	Pcs./Pkt.
CD 25X25	3240187	25
CD 25X40	3240188	24
CD 25X60	3240191	15
CD 25X80	3240197	10
CD 30X40	3240278	20
CD 30X60	3240280	24
CD 30X80	3240282	12
CD 30X100	3240283	12
CD 40X40	3240189	25
CD 40X60	3240192	20
CD 40X80	3240198	10
CD 40X100	3240294	10
CD 60X40	3240190	20
CD 60X60	3240193	12
CD 60X80	3240199	10
CD 60X100	3240263	8
CD 80X25	3240281	12
CD 80X40	3240335	15
CD 80X60	3240194	10
CD 80X80	3240200	6
CD 80X100	3240264	8
CD 100X40	3240279	10
CD 100X60	3240195	8
CD 100X80	3240201	6
CD 100X100	3240205	6
CD 120X60	3240196	6
CD 120X80	3240202	4

Accessories

CD WR	3240284	50
RVT-PA 4	3240498	100
RVT-PA 6	3240499	100
UNIFOX-RVT P 4	1212478	1
UNIFOX-RVT P 6	1212509	1

Technical data

PVC
V0
-5 ... 60

Ordering data

Type	Order No.	Pcs./Pkt.
CD 25X25 WH	3240616	25
CD 25X40 WH	3240617	24
CD 25X60 WH	3240618	15
CD 25X80 WH	3240619	10
CD 30X40 WH	3240620	20
CD 30X60 WH	3240621	24
CD 30X80 WH	3240622	12
CD 30X100 WH	3240623	12
CD 40X40 WH	3240624	25
CD 40X60 WH	3240625	20
CD 40X80 WH	3240626	10
CD 40X100 WH	3240627	10
CD 60X40 WH	3240628	20
CD 60X60 WH	3240629	12
CD 60X80 WH	3240630	10
CD 60X100 WH	3240631	8
CD 80X25 WH	3240632	12
CD 80X40 WH	3240633	15
CD 80X60 WH	3240634	10
CD 80X80 WH	3240635	6
CD 80X100 WH	3240636	8
CD 100X40 WH	3240637	10
CD 100X60 WH	3240638	8
CD 100X80 WH	3240639	6
CD 100X100 WH	3240640	6
CD 120X60 WH	3240641	6
CD 120X80 WH	3240642	4

Accessories

CD WR	3240284	50
RVT-PA 4	3240498	100
RVT-PA 6	3240499	100
UNIFOX-RVT P 4	1212478	1
UNIFOX-RVT P 6	1212509	1

Technical data

PVC
V0
-5 ... 60

Ordering data

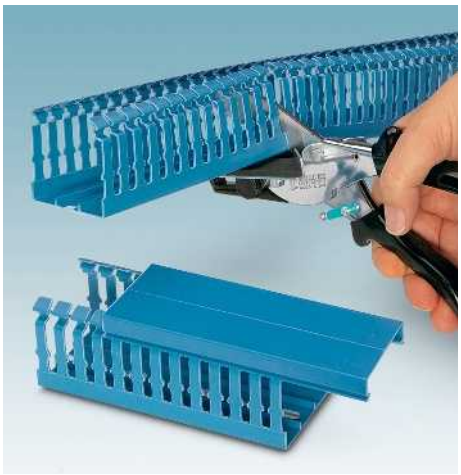
Type	Order No.	Pcs./Pkt.
CD 25X25 BU	3240301	25
CD 25X40 BU	3240302	24
CD 25X60 BU	3240303	15
CD 25X80 BU	3240304	10
CD 30X40 BU	3240305	20
CD 30X60 BU	3240306	24
CD 30X80 BU	3240307	12
CD 30X100 BU	3240308	12
CD 40X40 BU	3240309	25
CD 40X60 BU	3240310	20
CD 40X80 BU	3240311	10
CD 40X100 BU	3240312	10
CD 60X40 BU	3240313	20
CD 60X60 BU	3240314	12
CD 60X80 BU	3240315	10
CD 60X100 BU	3240316	8
CD 80X25 BU	3240317	12
CD 80X40 BU	3240318	15
CD 80X25 BU	3240317	12
CD 80X80 BU	3240320	6
CD 80X100 BU	3240321	8
CD 100X40 BU	3240322	10
CD 100X60 BU	3240323	8
CD 100X80 BU	3240324	6
CD 100X100 BU	3240325	6
CD 120X60 BU	3240326	6
CD 120X80 BU	3240327	4

Accessories

CD WR	3240284	50
RVT-PA 4	3240498	100
RVT-PA 6	3240499	100
UNIFOX-RVT P 4	1212478	1
UNIFOX-RVT P 6	1212509	1

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Cable duct cutters





Cable duct cutter

- The CUTFOX CD is a manual tool, that can be used in a mobile way, for the best unrestricted cutting performance
- The cable duct cutter enables burr and chip-free cutting to length of plastic profiles such as wiring channels and their covers
- Special cutting geometries ensure a clean cut and long lifetimes
- The PPS CD M, as a stationary tool, is ideal for convenient application over long periods of time

Description	Color
Cable duct cutter	black
Cable duct cutters	black
Replacement blade, for PPS CD M	
Replacement counter support (grip protection), for PPS CD M	
Workbench, with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes	
Limit stop, 90°	

Ordering data

Type	Order No.	Pcs./Pkt.
CUTFOX-CD	1212474	1
PPS CD M	1207569	1

Accessories

PPS CD BLADE	1207572	1
PPS CD M COHO	1208995	1
PPS TABLE	1206285	1
CUTFOX-CD/ES 90	1200289	1



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Cable clamps and DIN rail





Cable clamps for a cable diameter of 6 - 64 mm

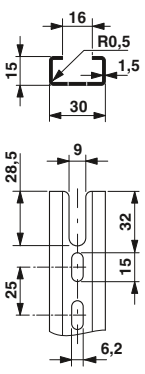
- The cable clamps provide strain relief
- Individual or bundled cables with a diameter of up to 64 mm can be safely and easily installed
- The halogen-free plastic troughs have been designed to be perfectly secure while at the same time protecting the conductors

Technical data

General data	
Material	Steel

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Cable clamp, for DIN rail			
For cable diameters of 6 – 14 mm	**WCC 14**	3240252	25
For cable diameters of 12 – 18 mm	**WCC 18**	3240253	25
For cable diameters of 18 – 22 mm	**WCC 22**	3240254	25
For cable diameters of 22 – 26 mm	**WCC 26**	3240255	25
For cable diameters of 26 – 30 mm	**WCC 30**	3240256	25
For cable diameters of 30 – 34 mm	**WCC 34**	3240257	25
For cable diameters of 34 – 38 mm	**WCC 38**	3240258	25
For cable diameters of 38 – 42 mm	**WCC 42**	3240259	25
For cable diameters of 42 – 56 mm	**WCC 56**	3240260	25
For cable diameters of 56 – 64 mm	**WCC 64**	3240261	25
DIN rails, for cable clamps			
	NS 30/15 PERF.2000MM	3240262	5



NS 30/15 PERF. 2000MM DIN rail

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Protective hoses made of plastic

Notes:
Pcs./Pkt. indicates the protective hose length in [m].





Slotted, outside diameter of 21.2 - 42.5 mm

The plastic protective hoses offer optimum protection, thanks to the following properties:
– Airtight and liquid tight
– Oil-resistant up to +80°C
– Gasoline-resistant
– Largely resistant to acids and solvents
– Free from silicone, halogen, and cadmium
– UV resistant

The V0 version offers additional protection, thanks to its self-extinguishing property. This makes it suitable for use in the following areas:
– Machine and system engineering
– Vehicle construction
– Rail vehicles
– Shipbuilding
– Automation
– Electrical systems

The transition and end sleeves offer an alternative form of termination to the actual cable gland.
– Can be used wherever it is not possible or necessary to attach a cable gland
– Prevent damage to the conductors being fed through



Technical data

General data	
Material	PA
Components	Free from silicone, halogen, and cadmium
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 105

Ordering data

Description		Color	Type	Order No.	Pcs./Pkt.
Protective hose, slotted, for retrofitting					
Diameter [mm] Outside/inside	Bending radius [mm] static				
21.2 / 16.5	40	black	**WP-PA HF-SL 21,2 BK**	3240845	10
28.5 / 23	45	black	**WP-PA HF-SL 28,5 BK**	3240846	10
34.5 / 29	55	black	**WP-PA HF-SL 34,5 BK**	3240847	10
42.5 / 36	65	black	**WP-PA HF-SL 42,5 BK**	3240848	10
Protective hose					
Diameter [mm] Outside/inside	Bending radius [mm] static/dynamic				
10 / 6.5	13 / 35	black			
13 / 10	20 / 45	black			
15.8 / 12	35 / 55	black			
21.2 / 16.5	45 / 75	black			
28.5 / 23	55 / 100	black			
34.5 / 29	65 / 120	black			
42.5 / 36	90 / 150	black			
54.5 / 48	100 / -	black			
Protective hose					
Diameter [mm] Outside/inside	Bending radius [mm] static/dynamic				
10 / 6.5	13 / 35	black			
13 / 10	20 / 45	black			
15.8 / 12	35 / 55	black			
21.2 / 16.5	45 / 75	black			
28.5 / 23	55 / 100	black			
34.5 / 29	65 / 120	black			
42.5 / 36	90 / 150	black			
Transition sleeves, from hose to cable					
Diameter [mm] Outside/inside					
10	8	black			
13	10	black			
15.8	12	black			
21.2	16.5	black			
28.2	23	black			
34.5	29	black			
42.5	37	black			
End sleeves					
Diameter [mm] Outside/inside					
10		black			
13		black			
15.8		black			
21.2		black			
28.2		black			
34.5		black			
42.5		black			

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PA 6.6 V0 plastic protective hose, outside diameter of 10 - 42.5 mm



PA 6.6 HB plastic protective hose, outside diameter of 10 - 42.5 mm



Transition sleeve for protective hose diameters of 10 - 42.5 mm

Technical data

PA
Free from silicone, halogen, and cadmium
V0
-40 ... 115

Ordering data

Type	Order No.	Pcs./Pkt.
WP-PA HF 10,0 BK	3240680	50
WP-PA HF 13,0 BK	3240681	50
WP-PA HF 15,8 BK	3240682	50
WP-PA HF 21,2 BK	3240683	50
WP-PA HF 28,5 BK	3240684	50
WP-PA HF 34,5 BK	3241088	25
WP-PA HF 42,5 BK	3241089	25
WP-PA HF 54,5 BK	0803381	25

Technical data

PA
Free from silicone, halogen, and cadmium
HB
-40 ... 105

Ordering data

Type	Order No.	Pcs./Pkt.
WP-PA HF-HB 10,0 BK	3240838	50
WP-PA HF-HB 13,0 BK	3240839	50
WP-PA HF-HB 15,8 BK	3240840	50
WP-PA HF-HB 21,2 BK	3240841	50
WP-PA HF-HB 28,5 BK	3240842	50
WP-PA HF-HB 34,5 BK	3240843	25
WP-PA HF-HB 42,5 BK	3240844	25

Technical data

TPE
Halogen-free
HB
-40 ... 120

Ordering data

Type	Order No.	Pcs./Pkt.
WP-EC TPE HF 10,0 BK	3240974	50
WP-EC TPE HF 13,0 BK	3240975	50
WP-EC TPE HF 15,8 BK	3240976	50
WP-EC TPE HF 21,2 BK	3240977	50
WP-EC TPE HF 28,5 BK	3240978	25
WP-EC TPE HF 34,5 BK	3240979	25
WP-EC TPE HF 42,5 BK	3240980	25
WP-SC PA HF 10,0 BK	3240981	50
WP-SC PA HF 13,0 BK	3240982	50
WP-SC PA HF 15,8 BK	3240983	50
WP-SC PA HF 21,2 BK	3240984	50
WP-SC PA HF 28,5 BK	3240985	25
WP-SC PA HF 34,5 BK	3240986	25
WP-SC PA HF 42,5 BK	3240987	25

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Screw connections for plastic protective hoses



The plastic screw connections with straight design are available in IP66 and IP69K protection classes. They offer the following features:

– Vibration-resistant, automatic protective hose latching
– Pg or metric thread
– Resistant to oil and gasoline
– Resistant to acids and solvents
– Free from silicone, halogen, and cadmium

Tool-free protective hose mounting

– Secure, reliable, and easy latching in the hose screw connection, see figure below



Notes:

For accessories and dimensional drawings, see phoenixcontact.net/products

To ensure the IP69K degree of protection between the hose screw connection and screw connection housing, sealant must be applied to the threading. LOCTITE® 5331™ is a suitable thread sealant for this.



IP66 degree of protection, Pg7 - Pg36 thread

Technical data

General data	
Material	PA
Components	Free from silicone, halogen, and cadmium
Degree of protection	IP66
Thread type	Pg
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 115

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Screw connection, IP66, straight, with Pg thread, for protective hose outside diameter [mm]				
10	black	**WP-G HF IP66 PG7 BK**	3240888	50
13	black	**WP-G HF IP66 PG9 BK**	3240889	50
15.8	black	**WP-G HF IP66 PG11 BK**	3240890	50
21.2	black	**WP-G HF IP66 PG16 BK**	3240891	50
28.5	black	**WP-G HF IP66 PG21 BK**	3240892	25
34.5	black	**WP-G HF IP66 PG29 BK**	3240893	25
42.5	black	**WP-G HF IP66 PG36 BK**	3240894	25
Screw connection, IP66, straight, with metric thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
42.5	black			
Screw connection, IP69K, straight, with Pg thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
42.5	black			
Screw connection, IP69K, straight, with metric thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
42.5	black			

Accessories

Counter nuts and seals — **see page 604 onwards**

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



IP66 degree of protection, M10 - M40 metric thread



IP69K degree of protection, Pg7 - Pg36 thread



IP69K degree of protection, M10 - M40 metric thread

Technical data

PA
Free from silicone, halogen, and cadmium
IP66
metric
V0
-40 ... 115

Ordering data

Type	Order No.	Pcs./Pkt.
WP-G HF IP66 M10 BK	**3240895**	50
WP-G HF IP66 M12 BK	**3240896**	50
WP-G HF IP66 M16 BK	**3240897**	50
WP-G HF IP66 M20 BK	**3240898**	50
WP-G HF IP66 M25 BK	**3240899**	25
WP-G HF IP66 M32 BK	**3240900**	25
WP-G HF IP66 M40 BK	**3240901**	25

Accessories

see page 604 onwards

Technical data

PA
Free from silicone, halogen, and cadmium
IP68/IP69K
Pg
V0
-40 ... 115

Ordering data

Type	Order No.	Pcs./Pkt.
WP-G HF IP69K PG7 BK	**3240874**	50
WP-G HF IP69K PG9 BK	**3240875**	50
WP-G HF IP69K PG11 BK	**3240876**	50
WP-G HF IP69K PG16 BK	**3240877**	50
WP-G HF IP69K PG21 BK	**3240878**	25
WP-G HF IP69K PG29 BK	**3240879**	25
WP-G HF IP69K PG36 BK	**3240880**	25

Accessories

see page 604 onwards

Technical data

PA
Free from silicone, halogen, and cadmium
IP68/IP69K
metric
V0
-40 ... 115

Ordering data

Type	Order No.	Pcs./Pkt.
WP-G HF IP69K M10 BK	**3240881**	50
WP-G HF IP69K M12 BK	**3240882**	50
WP-G HF IP69K M16 BK	**3240883**	50
WP-G HF IP69K M20 BK	**3240884**	50
WP-G HF IP69K M25 BK	**3240885**	25
WP-G HF IP69K M32 BK	**3240886**	25
WP-G HF IP69K M40 BK	**3240887**	25

Accessories

see page 604 onwards

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Screw connections, angled, for plastic protective hoses



The plastic screw connections with angled design are available in IP66 and IP69K protection classes. They offer the following features:

– Vibration-resistant, automatic protective hose latching
– Pg or metric thread
– Resistant to oil and gasoline
– Resistant to acids and solvents
– Free from silicone, halogen, and cadmium

Tool-free protective hose mounting

– Secure, reliable, and easy latching in the hose screw connection

Notes:

For accessories and dimensional drawings, see phoenixcontact.net/products

To ensure the IP69K degree of protection between the hose screw connection and screw connection housing, sealant must be applied to the threading. LOCTITE® 5331™ is a suitable thread sealant for this.



IP66 degree of protection, Pg7 - Pg36 thread

Technical data

General data		
Material		PA
Components		Free from silicone, halogen, and cadmium
Degree of protection		IP66
Thread type		Pg
Flammability rating in accordance with UL 94		HB
Temperature range	[°C]	-40 ... 115

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Screw connection, IP66, 90° angled, with Pg thread, for protective hose outside diameter [mm]				
10	black	**WP-GA HF IP66 PG7 BK**	3240916	50
13	black	**WP-GA HF IP66 PG9 BK**	3240917	50
15.8	black	**WP-GA HF IP66 PG11 BK**	3240918	50
21.2	black	**WP-GA HF IP66 PG16 BK**	3240919	50
28.5	black	**WP-GA HF IP66 PG21 BK**	3240920	25
34.5	black	**WP-GA HF IP66 PG29 BK**	3240921	10
42.5	black	**WP-GA HF IP66 PG36 BK**	3240922	10
Screw connection, IP66, 90° angled, with metric thread, for protective hose outside diameter [mm]				
10	black			
13	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
Screw connection, IP69K, 90° angled, with Pg thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
42.5	black			
Screw connection, IP69K, 90° angled, with metric thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
42.5	black			

Accessories

Counter nuts and seals — **see page 604 onwards**

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IP66 degree of protection, M10 - M40 metric thread



IP69K degree of protection, Pg7 - Pg36 thread



IP69K degree of protection, M10 - M40 metric thread

Technical data

PA
Free from silicone, halogen, and cadmium
IP66
metric
HB
-40 ... 115

Ordering data

Type	Order No.	Pcs./Pkt.
WP-GA HF IP66 M10 BK	3240923	50
WP-GA HF IP66 M12 BK	3240924	50
WP-GA HF IP66 M16 BK	3240925	50
WP-GA HF IP66 M20 BK	3240926	50
WP-GA HF IP66 M25 BK	3240927	50
WP-GA HF IP66 M32 BK	3240928	25
WP-GA HF IP66 M40 BK	3240929	10

Accessories

see page 604 onwards

Technical data

PA
Free from silicone, halogen, and cadmium
IP68/IP69K
Pg
HB
-40 ... 115

Ordering data

Type	Order No.	Pcs./Pkt.
WP-GA HF IP69K PG7 BK	3240902	50
WP-GA HF IP69K PG9 BK	3240903	50
WP-GA HF IP69K PG11 BK	3240904	50
WP-GA HF IP69K PG16 BK	3240905	50
WP-GA HF IP69K PG21 BK	3240906	25
WP-GA HF IP69K PG29 BK	3240907	10
WP-GA HF IP69K PG36 BK	3240908	10

Accessories

see page 604 onwards

Technical data

PA
Free from silicone, halogen, and cadmium
IP68/IP69K
metric
HB
-40 ... 115

Ordering data

Type	Order No.	Pcs./Pkt.
WP-GA HF IP69K M10 BK	3240909	50
WP-GA HF IP69K M12 BK	3240910	50
WP-GA HF IP69K M16 BK	3240911	50
WP-GA HF IP69K M20 BK	3240912	50
WP-GA HF IP69K M25 BK	3240913	25
WP-GA HF IP69K M32 BK	3240914	10
WP-GA HF IP69K M40 BK	3240915	10

Accessories

see page 604 onwards

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Screw connections with strain relief, for plastic protective hoses



The plastic screw connections with strain relief are available in IP66 and IP69K protection classes. They offer the following features:

– Vibration-resistant, automatic protective hose latching
– Pg or metric thread
– Integrated cable strain relief
– Resistant to oil and gasoline
– Resistant to acids and solvents
– Free from silicone, halogen, and cadmium

Tool-free protective hose mounting

– Secure, reliable, and easy latching in the hose screw connection

Notes:

For accessories and dimensional drawings, see phoenixcontact.net/products

To ensure the IP69K degree of protection between the hose screw connection and screw connection housing, sealant must be applied to the threading. LOCTITE® 5331™ is a suitable thread sealant for this.



IP66 degree of protection, Pg7 - Pg36 thread, with strain relief

Technical data

General data		
Material		PA
Components		Free from silicone, halogen, and cadmium
Degree of protection		IP66
Thread type		Pg
Flammability rating in accordance with UL 94		V0
Temperature range	[°C]	-40 ... 115

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Screw connection, IP66, straight, with Pg thread, for protective hose outside diameter [mm]				
10	black	**WP-GR HF IP66 PG7 BK**	3240944	20
13	black	**WP-GR HF IP66 PG9 BK**	3240945	20
15.8	black	**WP-GR HF IP66 PG11 BK**	3240946	20
21.2	black	**WP-GR HF IP66 PG16 BK**	3240947	10
28.5	black	**WP-GR HF IP66 PG21 BK**	3240948	10
34.5	black	**WP-GR HF IP66 PG29 BK**	3240949	10
42.5	black	**WP-GR HF IP66 PG36 BK**	3240950	10
Screw connection, IP66, straight, with metric thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
Screw connection, IP69K, straight, with Pg thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
42.5	black			
Screw connection, IP69K, straight, with metric thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			

Accessories

Counter nuts and seals — **see page 604 onwards**

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**IP66 degree of protection,
M12 - M40 metric thread, with strain relief**



**IP69K degree of protection,
Pg7 - Pg36 thread, with strain relief**



**IP69K degree of protection,
M12 - M40 metric thread, with strain relief**

Technical data

PA
Free from silicone, halogen, and cadmium
IP66
metric
V0
-40 ... 115

Ordering data

Type	Order No.	Pcs./Pkt.
WP-GR HF IP66 M12 BK	**3240952**	20
WP-GR HF IP66 M16 BK	**3240953**	20
WP-GR HF IP66 M20 BK	**3240954**	20
WP-GR HF IP66 M25 BK	**3240955**	10
WP-GR HF IP66 M32 BK	**3240956**	10
WP-GR HF IP66 M40 BK	**3240957**	10

Accessories

see page 604 onwards

Technical data

PA
Free from silicone, halogen, and cadmium
IP68/IP69K
Pg
V0
-40 ... 115

Ordering data

Type	Order No.	Pcs./Pkt.
WP-GR HF IP69K PG7 BK	**3240930**	20
WP-GR HF IP69K PG9 BK	**3240931**	20
WP-GR HF IP69K PG11 BK	**3240932**	20
WP-GR HF IP69K PG16 BK	**3240933**	10
WP-GR HF IP69K PG21 BK	**3240934**	10
WP-GR HF IP69K PG29 BK	**3240935**	10
WP-GR HF IP69K PG36 BK	**3240936**	10

Accessories

see page 604 onwards

Technical data

PA
Free from silicone, halogen, and cadmium
IP68/IP69K
metric
V0
-40 ... 115

Ordering data

Type	Order No.	Pcs./Pkt.
WP-GR HF IP69K M12 BK	**3240938**	20
WP-GR HF IP69K M16 BK	**3240939**	20
WP-GR HF IP69K M20 BK	**3240940**	20
WP-GR HF IP69K M25 BK	**3240941**	10
WP-GR HF IP69K M32 BK	**3240942**	10
WP-GR HF IP69K M40 BK	**3240943**	10

Accessories

see page 604 onwards

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Protective hoses with PVC- or PU-coated spirals



The **WP-SPIRAL PVC C ...** plastic protective hoses with soft PVC-coated spring wire helix offer optimum protection, thanks to the following properties:
– Highly flexible
– Can be stretched and compressed
– Internal corrosion protection
– Largely resistant to acids and solvents
– Free from silicone and cadmium
– Airtight and liquid tight

The **WP-SPIRAL PU C ...** plastic protective hoses with fixed, PU-coated spring wire helix offer the following:
– Very tough and resistant to abrasion
– Highly flexible
– Resistant to germs
– Airtight and liquid tight
– Resistant to oil and grease
– Gasoline-resistant
– Largely resistant to acids and solvents
– Free from silicone, halogen, and cadmium
– Flame-protected
– Excellent behavior at low temperatures
– V2 in accordance with UL 94
– Suitable as a suction tube

The coated protective hoses are particularly suitable for the following fields of application:
– Machine and system engineering
– Vehicle construction
– Use in guide chains
– Shipbuilding
– Automation
– Electrical systems

Notes:
Pcs./Pkt. indicates the protective hose length in [m].



Protective hose, PVC-coated spiral, outside diameter of 10 - 45 mm

Technical data

General data		
Material		PVC
Components		Free from silicone and cadmium
Flammability rating in accordance with UL 94		-
Temperature range	[°C]	-25 ... 80

Ordering data

Description		Color	Type	Order No.	Pcs./Pkt.
Protective hose, PVC-coated spiral					
Diameter [mm] Outside/inside	Bending radius [mm] static				
10 / 7	8	gray	**WP-SPIRAL PVC C 10**	3240849	10
14 / 10	10	gray	**WP-SPIRAL PVC C 14**	3240850	10
17 / 13	13	gray	**WP-SPIRAL PVC C 17**	3240851	10
21 / 16	17	gray	**WP-SPIRAL PVC C 21**	3240852	10
27 / 22	20	gray	**WP-SPIRAL PVC C 27**	3240853	10
36 / 29	24	gray	**WP-SPIRAL PVC C 36**	3240854	10
45 / 38	36	gray	**WP-SPIRAL PVC C 45**	3240855	10
Protective hose, PU-coated spiral					
Diameter [mm] Outside/inside	Bending radius [mm] static				
10 / 7	8	blue			
14 / 10	10	blue			
17 / 13	13	blue			
21 / 16	17	blue			
27 / 22	20	blue			
36 / 29	24	blue			
45 / 38	36	blue			
End sleeves					
Diameter [mm] Outside/inside	Cable diameter [mm]				
10 / 7	6	gray			
14 / 10	9	gray			
17 / 13	11.5	gray			
21 / 16	14.5	gray			
27 / 21	19.5	gray			
36 / 29	26.5	gray			
45 / 38	36	gray			

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Protective hose, PU-coated spiral, outside diameter of 10 - 45 mm



End sleeve for protective hose diameter of 10 - 45 mm

Technical data	
PU	
Free from silicone, halogen, and cadmium	
V2	
-40 ... 80	

Technical data	
PP	
Halogen-free	
HB	
-10 ... 110	

Ordering data

Type	Order No.	Pcs./Pkt.
WP-SPIRAL PU C HF 10	3240856	10
WP-SPIRAL PU C HF 14	3240857	10
WP-SPIRAL PU C HF 17	3240858	10
WP-SPIRAL PU C HF 21	3240859	10
WP-SPIRAL PU C HF 27	3240860	10
WP-SPIRAL PU C HF 36	3240861	10
WP-SPIRAL PU C HF 45	3240862	10

Ordering data

Type	Order No.	Pcs./Pkt.
WP-SC HF 10	3241016	50
WP-SC HF 14	3241017	50
WP-SC HF 17	3241018	50
WP-SC HF 21	3241019	50
WP-SC HF 27	3241020	25
WP-SC HF 36	3241021	25
WP-SC HF 45	3241022	20

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Screw connections, for protective hoses with coated spirals



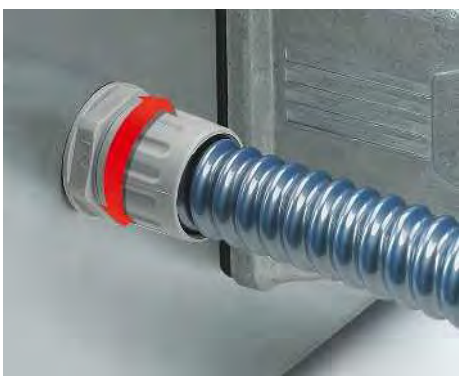


IP65 degree of protection, Pg7 - Pg36 thread

The polypropylene screw connections with a straight design are available with or without a rotatable connecting thread.
– Easy, tool-free mounting
– High resistance to dust and fluids
– Vibration resistance and high tensile strength, thanks to hose screw-out locking

Rotatable screw connections

– The protective hose can still be rotated after panel mounting, thanks to the special screw connections



Technical data

General data		
Material		PP
Degree of protection		IP65
Thread type		Pg
Components		Halogen-free
Flammability rating in accordance with UL 94		HB
Temperature range	[°C]	-10 ... 110

Ordering data

Description		Color	Type	Order No.	Pcs./Pkt.
Screw connection, IP65, straight, with Pg thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	6	gray	**WP-G PP HF PG7**	3240988	10
14	9	gray	**WP-G PP HF PG9**	3240989	10
17	11	gray	**WP-G PP HF PG11**	3240990	10
21	14.5	gray	**WP-G PP HF PG16**	3240991	10
27	19.5	gray	**WP-G PP HF PG21**	3240992	10
36	27	gray	**WP-G PP HF PG29**	3240993	2
45	36	gray	**WP-G PP HF PG36**	3240994	2
Screw connection, IP65, straight, with metric thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	6	gray			
14	8	gray			
17	11	gray			
21	15	gray			
27	20	gray			
36	27	gray			
45	35	gray			
Screw connection, IP54, rotatable, with Pg thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	5.5	gray			
14	9.5	gray			
17	11.5	gray			
21	14.5	gray			
27	19.5	gray			
36	27	gray			
45	35.5	gray			
Screw connection, IP54, rotatable, with metric thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	5.5	gray			
14	9.5	gray			
17	11.5	gray			
21	14.5	gray			
27	19.5	gray			
36	27	gray			

Accessories

Counter nuts and seals — **see page 604 onwards**

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IP65 degree of protection, M10 - M40 metric thread



IP54 degree of protection, Pg7 - Pg36 thread, rotatable



IP54 degree of protection, M12 - M40 metric thread, rotatable

Technical data

PP
IP65
metric
Halogen-free
HB
-10 ... 110

Ordering data

Type	Order No.	Pcs./Pkt.
WP-G PP HF M10	3240995	10
WP-G PP HF M12	3240996	10
WP-G PP HF M16	3240997	10
WP-G PP HF M20	3240998	10
WP-G PP HF M25	3240999	10
WP-G PP HF M32	3241000	2
WP-G PP HF M40	3241001	2

Accessories

see page 604 onwards

Technical data

PP
IP54
Pg
Halogen-free
HB
-10 ... 110

Ordering data

Type	Order No.	Pcs./Pkt.
WP-GT PP HF PG7	3241002	10
WP-GT PP HF PG9	3241003	10
WP-GT PP HF PG11	3241004	10
WP-GT PP HF PG16	3241005	10
WP-GT PP HF PG21	3241006	10
WP-GT PP HF PG29	3241007	2
WP-GT PP HF PG36	3241008	2

Accessories

see page 604 onwards

Technical data

PP
IP54
metric
Halogen-free
HB
-10 ... 110

Ordering data

Type	Order No.	Pcs./Pkt.
WP-GT PP HF M12	3241010	10
WP-GT PP HF M16	3241011	10
WP-GT PP HF M20	3241012	10
WP-GT PP HF M25	3241013	10
WP-GT PP HF M32	3241014	10
WP-GT PP HF M40	3241015	2

Accessories

see page 604 onwards

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Protective hoses made of steel or stainless steel



The metal protective hoses made of galvanized steel or stainless steel offer optimum protection and have a wide range of uses, thanks to the following properties:
– Interlocked, helix-wound profile
– Highly flexible
– High tensile strength and resistance to lateral pressure

These properties make the products suitable for use in the following areas:
– Machine and system engineering
– Vehicle construction
– Ex area in accordance with EN 60079-14 and EN 61241-14
– Shipbuilding
– Rail vehicles
– Automation
– Electrical systems

Notes:
Pcs./Pkt. indicates the protective hose length in [m].



Stainless steel protective hose, outside diameter of 10 - 45 mm

Technical data

General data		
Material		Steel, galvanized
Temperature range	[°C]	-200 ... 220

Ordering data

Description		Color	Type	Order No.	Pcs./Pkt.
Protective hose					
Diameter [mm] Outside/inside	Bending radius [mm] static				
10 / 8	28	silver	**WP-STEEL ZC 10**	3240697	10
14 / 11	34	silver	**WP-STEEL ZC 14**	3240865	10
17 / 14	40	silver	**WP-STEEL ZC 17**	3240698	10
21 / 18	50	silver	**WP-STEEL ZC 21**	3240699	10
27 / 23	63	silver	**WP-STEEL ZC 27**	3240866	10
36 / 31	85	silver	**WP-STEEL ZC 36**	3240700	10
45 / 40	100	silver	**WP-STEEL ZC 45**	3240701	10
Protective hose					
Diameter [mm] Outside/inside	Bending radius [mm] static				
10 / 8	22	silver			
14 / 11	25	silver			
17 / 14	40	silver			
21 / 18	50	silver			
27 / 23	63	silver			
36 / 31	85	silver			
45 / 40	100	silver			
End sleeves					
Outside diameter of hose [mm]	Cable diameter [mm]				
10	6.5	brass			
14	10	brass			
17	12.5	brass			
21	16.5	brass			
27	21.5	brass			
36	29.5	brass			
45	38	brass			

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Stainless steel protective hose (V2A), outside diameter of 10 - 45 mm



End sleeve for protective hose diameter of 10 - 45 mm

Technical data
Stainless steel 1.4301/AISI 304
-200 ... 600

Ordering data

Type	Order No.	Pcs./Pkt.
WP-STEEL S 10	3240686	10
WP-STEEL S 14	3240687	10
WP-STEEL S 17	3240863	10
WP-STEEL S 21	3240688	10
WP-STEEL S 27	3240864	10
WP-STEEL S 36	3240689	10
WP-STEEL S 45	3240690	10

Technical data
Brass
-40 ... 250

Ordering data

Type	Order No.	Pcs./Pkt.
WP-SC BRASS 10	3241065	50
WP-SC BRASS 14	3241066	50
WP-SC BRASS 17	3241067	50
WP-SC BRASS 21	3241068	50
WP-SC BRASS 27	3241069	25
WP-SC BRASS 36	3241070	25
WP-SC BRASS 45	3241071	20

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Screw connections, for protective hoses made of steel or stainless steel



The screw connections are available with or without a rotatable connecting thread. They have the following properties:

– Easy mounting of protective hose without tools
– Vibration resistance and high tensile strength, thanks to hose screw-out locking
– Integrated inner sleeve and rotation lock for hose

Rotatable screw connections

– The protective hose can still be rotated after panel mounting, thanks to the special screw connections



Notes:

Inner sleeves and seals are supplied as standard.



IP40 degree of protection, Pg7 - Pg36 thread

Technical data

General data	
Material	Brass
Degree of protection	IP40
Thread type	Pg
Temperature range [°C]	-40 ... 125

Ordering data

Description		Color	Type	Order No.	Pcs./Pkt.
Screw connection, IP40, with Pg thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10 / 6	6.5	brass	**WP-G BRASS IP40 PG7**	3241037	10
14 / 8.5	10	brass	**WP-G BRASS IP40 PG9**	3241038	10
17 / 11.5	12.5	brass	**WP-G BRASS IP40 PG11**	3241039	10
21 / 15.5	16	brass	**WP-G BRASS IP40 PG16**	3241040	10
27 / 20.5	21.5	brass	**WP-G BRASS IP40 PG21**	3241041	10
36 / 27.5	29	brass	**WP-G BRASS IP40 PG29**	3241042	2
45 / 36.5	38	brass	**WP-G BRASS IP40 PG36**	3241043	2
Screw connection, IP40, with metric thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10 / 6	6.5	brass			
14 / 8.5	10	brass			
17 / 11.5	12.5	brass			
21 / 15.5	16	brass			
27 / 20.5	21.5	brass			
36 / 27.5	27.5	brass			
45 / 36.5	35	brass			
Screw connection, IP40, rotatable, with Pg thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10 / 6	6	brass			
14 / 8.5	9	brass			
17 / 11.5	12	brass			
21 / 15.5	15.5	brass			
27 / 20.5	20.5	brass			
36 / 27.5	27.5	brass			
45 / 36.5	36.5	brass			
Screw connection, IP40, rotatable, with metric thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10 / 6	6	brass			
14 / 8.5	9	brass			
17 / 11.5	12	brass			
21 / 15.5	15.5	brass			
27 / 20.5	20.5	brass			
36 / 27.5	27.5	brass			
45 / 36.5	35	brass			

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IP40 degree of protection,
M10 - M40 metric thread



IP40 degree of protection,
Pg7 - Pg36 thread, rotatable



IP40 degree of protection,
M10 - M40 metric thread, rotatable

Technical data

Brass	
IP40	
metric	
-40 ... 125	

Ordering data

Type	Order No.	Pcs./Pkt.
WP-G BRASS IP40 M10	3241044	10
WP-G BRASS IP40 M12	3241045	10
WP-G BRASS IP40 M16	3241046	10
WP-G BRASS IP40 M20	3241047	10
WP-G BRASS IP40 M25	3241048	10
WP-G BRASS IP40 M32	3241049	2
WP-G BRASS IP40 M40	3241050	2

Technical data

Brass	
IP40	
Pg	
-40 ... 250	

Ordering data

Type	Order No.	Pcs./Pkt.
WP-GT BRASS PG7	3241023	10
WP-GT BRASS PG9	3241024	10
WP-GT BRASS PG11	3241025	10
WP-GT BRASS PG16	3241026	10
WP-GT BRASS PG21	3241027	10
WP-GT BRASS PG29	3241028	2
WP-GT BRASS PG36	3241029	2

Technical data

Brass	
IP40	
metric	
-40 ... 250	

Ordering data

Type	Order No.	Pcs./Pkt.
WP-GT BRASS M10	3241030	10
WP-GT BRASS M12	3241031	10
WP-GT BRASS M16	3241032	10
WP-GT BRASS M20	3241033	10
WP-GT BRASS M25	3241034	10
WP-GT BRASS M32	3241035	2
WP-GT BRASS M40	3241036	2

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Protective hoses made of steel with PVC coating and screw connections

– Optimum protection
– Numerous possible applications
– Tool-free assembly of screw connection and protective hose
– Screw connection for high resistance

Notes:
Pcs./Pkt. indicates the protective hose length in [m].
Inner sleeves and seals are supplied as standard.



Stainless steel protective hose (V2A), PVC coated, outside diameter of 10 - 45 mm



IP65 degree of protection, Pg7 - Pg36 thread and M10 - M40 metric thread

Technical data

General data		
Material		Steel, galvanized/PVC
Degree of protection		IP68
Thread type		-
Temperature range	[°C]	-25 ... 80

Technical data

Brass		
IP65		
Pg		
-40 ... 125		

Ordering data

Description		Color	Type	Order No.	Pcs./Pkt.
Protective hose, in galvanized steel, PVC coated					
Diameter [mm] Outside/inside	Bending radius [mm] static				
10 / 7	95	black	**WP-STEEL PVC C 10**	3240867	10
14 / 10	105	black	**WP-STEEL PVC C 14**	3240868	10
17 / 13	115	black	**WP-STEEL PVC C 17**	3240869	10
21 / 17	110	black	**WP-STEEL PVC C 21**	3240870	10
27 / 22	135	black	**WP-STEEL PVC C 27**	3240871	10
36 / 29	145	black	**WP-STEEL PVC C 36**	3240872	10
45 / 38	215	black	**WP-STEEL PVC C 45**	3240873	10
End sleeves, in brass					
Outside diameter of hose [mm]	Cable diameter [mm]				
10	6	brass	**WP-SC BRASS WP PVC 10**	3241072	50
14	8.5	brass	**WP-SC BRASS WP PVC 14**	3241073	50
17	11.5	brass	**WP-SC BRASS WP PVC 17**	3241074	50
21	15.5	brass	**WP-SC BRASS WP PVC 21**	3241075	50
27	20.5	brass	**WP-SC BRASS WP PVC 27**	3241076	25
36	27.5	brass	**WP-SC BRASS WP PVC 36**	3241077	25
45	36.5	brass	**WP-SC BRASS WP PVC 45**	3241078	20
Screw connection, IP65, with Pg thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	6	brass	**WP-G BRASS IP65 PG7**	3241051	10
14	8.5	brass	**WP-G BRASS IP65 PG9**	3241052	10
17	11.5	brass	**WP-G BRASS IP65 PG11**	3241053	10
21	15.5	brass	**WP-G BRASS IP65 PG16**	3241054	10
27	20.5	brass	**WP-G BRASS IP65 PG21**	3241055	10
36	27.5	brass	**WP-G BRASS IP65 PG29**	3241056	2
45	35	brass	**WP-G BRASS IP65 PG36**	3241057	2
Screw connection, IP65, with metric thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	6	brass	**WP-G BRASS IP65 M10**	3241058	10
14	8.5	brass	**WP-G BRASS IP65 M12**	3241059	10
17	11.5	brass	**WP-G BRASS IP65 M16**	3241060	10
21	15.5	brass	**WP-G BRASS IP65 M20**	3241061	10
27	20.5	brass	**WP-G BRASS IP65 M25**	3241062	10
36	27.5	brass	**WP-G BRASS IP65 M32**	3241063	2
45	35	brass	**WP-G BRASS IP65 M40**	3241064	2

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Spiral hoses



Easy bundling and routing of cables and conductors
– Fast and easy to use
– Can be retrofitted
– The spiral structure means that individual conductors and cables can be led out at any point
– Offer protection under light mechanical strain

Notes:
Pcs./Pkt. indicates the spiral hose length in [m].



Spiral hose,
for bundle diameters of 2 mm - 150 mm

Technical data

General data	
Material	PE
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	HB
Temperature range [°C]	-50 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Spiral hose, for bundle diameters				
2 - 15 mm	transparent	**WG-S HF 15**	3241109	50
4 - 20 mm	transparent	**WG-S HF 20**	3241111	25
7 - 40 mm	transparent	**WG-S HF 40**	3241113	25
12 - 50 mm	transparent	**WG-S HF 50**	3241115	25
13 - 70 mm	transparent	**WG-S HF 70**	3241117	25
15 - 80 mm	transparent	**WG-S HF 80**	3241119	20
20 - 120 mm	transparent	**WG-S HF 120**	3241121	25
25 - 150 mm	transparent	**WG-S HF 150**	3241123	20
Spiral hose, for bundle diameters				
2 - 15 mm	black	**WG-S HF 15 BK**	3241110	50
4 - 20 mm	black	**WG-S HF 20 BK**	3241112	25
7 - 40 mm	black	**WG-S HF 40 BK**	3241114	25
12 - 50 mm	black	**WG-S HF 50 BK**	3241116	25
13 - 70 mm	black	**WG-S HF 70 BK**	3241118	25
15 - 80 mm	black	**WG-S HF 80 BK**	3241120	20
20 - 120 mm	black	**WG-S HF 120 BK**	3241122	25
25 - 150 mm	black	**WG-S HF 150 BK**	3241124	20

Accessories

Electrician's scissors, high cutting performance, thanks to micro-serrated cutting area, suitable for copper, aluminum (flexible), Kevlar® fibers, and plastic, two-component non-slip soft-grip handles, ergonomic design, adjustable screw joint		
CUTFOX-ES	1212621	1

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Accessories for protective hose mounting

The WP-BASE C ... protective hose holders with cover are attached using a screw.

– An integrated rib fastening also helps to relieve the strain on the protective hose
– The base of the holder is designed so that it can even be pushed onto a C DIN rail
– The engagement pins enable hose holders of different sizes to be arranged alongside each other

WP-BASE HF ... protective hose clips:

– Galvanized steel locking latch with rubber profile
– Mounting with a screw

WP-BASE ... fixing bracket:

– With two mounting holes in accordance with DIN 46320
– Protective hose feed-through can be attached to the side of the panel
– Pg or metric protective hose screw connections can be mounted on a bracket



Protective hose with cover

Technical data

General data	
Material	PA

Ordering data

Description		Color	Type	Order No.	Pcs./Pkt.
Protective hose holder with cover, screwable, made of plastic					
Outside diameter of protective hose [mm]	Hole diameter [mm]				
10	10	black	**WP-BASE C PA HF 10,0 BK**	3240958	50
13	13	black	**WP-BASE C PA HF 13,0 BK**	3240959	50
15.8	15.8	black	**WP-BASE C PA HF 15,8 BK**	3240960	50
21.2	21.2	black	**WP-BASE C PA HF 21,2 BK**	3240961	50
28.5	28.2	black	**WP-BASE C PA HF 28,2 BK**	3240962	25
34.5	34.5	black	**WP-BASE C PA HF 34,5 BK**	3240963	25
42.5	42.5	black	**WP-BASE C PA HF 42,5 BK**	3240964	25
Protective hose clip, screwable					
Outside diameter of protective hose [mm]	Hole diameter [mm]				
10	10	silver/black			
13	13	silver/black			
14	14	silver/black			
15.8	15.8	silver/black			
17	17	silver/black			
22	22	silver/black			
29	29	silver/black			
36	37	silver/black			
45	45	silver/black			
Fixing bracket, screwable					
Screw connection	Hole diameter [mm]				
Pg16	23	silver			
Pg21	29	silver			
Pg29	37.5	silver			
Pg36	47.5	silver			
Fixing bracket, screwable					
Screw connection	Hole diameter [mm]				
M16	17	silver			
M20	21	silver			
M25	26	silver			
M32	33	silver			
M40	43	silver			

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Protective hose clip



Fixing bracket, screw version, for Pg screw connection



Fixing bracket, screw version, for metric screw connection

Technical data

Steel, galvanized

Ordering data

Type	Order No.	Pcs./Pkt.
WP-BASE HF 9-10	3240965	50
WP-BASE HF 13	3240966	50
WP-BASE HF 14	3240967	50
WP-BASE HF 15,8	3240968	50
WP-BASE HF 17	3240969	50
WP-BASE HF 22	3240970	50
WP-BASE HF 29	3240971	50
WP-BASE HF 37	3240972	50
WP-BASE HF 45	3240973	25

Technical data

Steel, galvanized

Ordering data

Type	Order No.	Pcs./Pkt.
WP-BASE A PG16	3241079	25
WP-BASE A PG21	3241080	25
WP-BASE A PG29	3241081	25
WP-BASE A PG36	3241082	25

Technical data

Steel, galvanized

Ordering data

Type	Order No.	Pcs./Pkt.
WP-BASE A M16	3241083	25
WP-BASE A M20	3241084	25
WP-BASE A M25	3241085	25
WP-BASE A M32	3241086	25
WP-BASE A M40	3241087	25

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Accessories for protective hose mounting





Counter nut, M12 - M40, plastic

WP-CN ...

The counter nuts are used to lock protective hose screw connections in the case of bore holes without a thread.

– Counter nuts made of brass or plastic
– The fiberglass-reinforced polyamide ensures a high degree of mechanical stability
– Metric thread in accordance with EN 50262, making the counter nut suitable for universal use

Technical data

General data	
Material	Polyamide fiberglass reinforced

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Counter nut, plastic, for protective hose screw connections with metric thread				
for M12	gray	**WP-CN PA M12**	3241132	100
for M16	gray	**WP-CN PA M16**	3241133	100
for M20	gray	**WP-CN PA M20**	3241134	100
for M25	gray	**WP-CN PA M25**	3241135	100
for M32	gray	**WP-CN PA M32**	3241136	100
for M40	gray	**WP-CN PA M40**	3241137	50
Counter nut, plastic, for protective hose screw connections with Pg thread				
for Pg7	gray			
for Pg9	gray			
for Pg11	gray			
for Pg16	gray			
for Pg21	gray			
for Pg29	gray			
for Pg36	gray			
Counter nut, nickel-plated brass, for protective hose screw connections with metric thread				
for M10	silver			
for M12	silver			
for M16	silver			
for M20	silver			
for M25	silver			
for M32	silver			
for M40	silver			
Counter nut, nickel-plated brass, for protective hose screw connections with Pg thread				
for Pg7	silver			
for Pg9	silver			
for Pg11	silver			
for Pg16	silver			
for Pg21	silver			
for Pg29	silver			
for Pg36	silver			

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Counter nut, Pg7 - Pg36, plastic



Counter nut, M10 - M40, brass



Counter nut, Pg7 - Pg36, brass

Technical data

Polyamide fiberglass reinforced

Ordering data

Type	Order No.	Pcs./Pkt.
WP-CN PA PG7	3241138	100
WP-CN PA PG9	3241139	100
WP-CN PA PG11	3241140	100
WP-CN PA PG16	3241141	100
WP-CN PA PG21	3241142	100
WP-CN PA PG29	3241143	100
WP-CN PA PG36	3241144	50

Technical data

Brass, nickel-plated

Ordering data

Type	Order No.	Pcs./Pkt.
WP-CN BRASS M10	3241145	100
WP-CN BRASS M12	3241146	100
WP-CN BRASS M16	3241147	100
WP-CN BRASS M20	3241148	100
WP-CN BRASS M25	3241149	100
WP-CN BRASS M32	3241150	100
WP-CN BRASS M40	3241151	50

Technical data

Brass, nickel-plated

Ordering data

Type	Order No.	Pcs./Pkt.
WP-CN BRASS PG7	3241152	100
WP-CN BRASS PG9	3241153	100
WP-CN BRASS PG11	3241154	100
WP-CN BRASS PG16	3241155	100
WP-CN BRASS PG21	3241156	100
WP-CN BRASS PG29	3241157	100
WP-CN BRASS PG36	3241158	50

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Accessories for protective hose mounting





Flat gasket made from Perbunan

WP-FS ...

The Perbunan flat sealing rings are used to seal protective hose screw connections on uneven surfaces. They are inserted between the hose screw connection and the surface, thereby achieving degrees of protection up to IP68.

WP-FS HF

The Centellen flat sealing rings also provide an optimum seal on uneven surfaces. As well as having IP68 protection and high mechanical stability, the sealing rings are also UV resistant and halogen-free. This enables them to be used outdoors.
Properties:
– Resistant to oil, seal against dust and water, UV resistant, halogen-free, high mechanical stability

WP-OR ...

Thanks to properties such as resistance to oil and sealing against water and dust, the Perbunan O-rings can be used in a wide range of applications.

Technical data

General data	
Material	Perbunan

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Flat gasket, Perbunan, for protective hose screw connections with metric thread				
for M10	black	**WP-FS IP68 M10**	3241159	50
for M12	black	**WP-FS IP68 M12**	3241160	50
for M16	black	**WP-FS IP68 M16**	3241161	50
for M20	black	**WP-FS IP68 M20**	3241162	50
for M25	black	**WP-FS IP68 M25**	3241163	50
for M32	black	**WP-FS IP68 M32**	3241164	25
for M40	black	**WP-FS IP68 M40**	3241165	25
Flat gasket, Perbunan, for protective hose screw connections with Pg thread				
for Pg7	black	**WP-FS IP68 PG7**	3241166	50
for Pg9	black	**WP-FS IP68 PG9**	3241167	50
for Pg11	black	**WP-FS IP68 PG11**	3241168	50
for Pg16	black	**WP-FS IP68 PG16**	3241169	50
for Pg21	black	**WP-FS IP68 PG21**	3241170	25
for Pg29	black	**WP-FS IP68 PG29**	3241171	25
for Pg36	black	**WP-FS IP68 PG36**	3241172	25
Flat gasket, Centellen, for protective hose screw connections with metric thread				
for M10	green			
for M12	green			
for M16	green			
for M20	green			
for M25	green			
for M32	green			
for M40	green			
Flat gasket, Centellen, for protective hose screw connections with Pg thread				
for Pg7	green			
for Pg9	green			
for Pg11	green			
for Pg16	green			
for Pg21	green			
for Pg29	green			
for Pg36	green			
O-ring, Perbunan, for protective hose screw connections with metric thread				
for M10	black			
for M12	black			
for M16	black			
for M20	black			
for M25	black			
for M32	black			
for M40	black			
O-ring, Perbunan, for protective hose screw connections with Pg thread				
for Pg7	black			
for Pg9	black			
for Pg11	black			
for Pg16	black			
for Pg21	black			
for Pg29	black			
for Pg36	black			

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Flat gasket made from Centellen



O-ring made from Perbunan

Technical data

Centellen

Ordering data

Type	Order No.	Pcs./Pkt.
WP-FS HF IP68 M10	3241173	50
WP-FS HF IP68 M12	3241174	50
WP-FS HF IP68 M16	3241175	50
WP-FS HF IP68 M20	3241176	50
WP-FS HF IP68 M25	3241177	50
WP-FS HF IP68 M32	3241178	25
WP-FS HF IP68 M40	3241179	25
WP-FS HF IP68 PG7	3241180	50
WP-FS HF IP68 PG9	3241181	50
WP-FS HF IP68 PG11	3241182	50
WP-FS HF IP68 PG16	3241183	50
WP-FS HF IP68 PG21	3241184	25
WP-FS HF IP68 PG29	3241185	25
WP-FS HF IP68 PG36	3241186	25

Technical data

Perbunan

Ordering data

Type	Order No.	Pcs./Pkt.
WP-OR M10	3241187	50
WP-OR M12	3241188	50
WP-OR M16	3241189	50
WP-OR M20	3241190	50
WP-OR M25	3241191	50
WP-OR M32	3241192	25
WP-OR M40	3241193	25
WP-OR PG7	3241194	50
WP-OR PG9	3241195	50
WP-OR PG11	3241196	50
WP-OR PG16	3241197	50
WP-OR PG21	3241198	25
WP-OR PG29	3241199	25
WP-OR PG36	3241200	25

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Plastic cable markers for insert labels, for assembly with cable ties



- Plastic cable markers mark and bundle conductors and cables indoors
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark many insert labels for plastic cable markers according to your requirements
- **Designation example:**
  ESL (29x8)
  Lettering field width: 29 mm
  Lettering field height: 8 mm
  Type of packaging: sheet



Notes:

For corresponding cable ties, see from page 614.

The print image may vary depending on the laser printer.



For insert labels with lettering field size 29 x 8 mm, for cable diameters > 10 mm

Technical data

General data	
Material	Polyethylene
Temperature range [°C]	-40 ... 80
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plastic cable markers for insert labels, with cable ties with a pointed end, can be marked with ESL..., EMT... or US-EMP... insert labels, diameter: 10 ... 25 mm, lettering field size: 29 x 8 mm	transparent	**KMK**	1005208	100
Plastic cable markers for insert labels, with cable ties with a pointed end, can be marked with ESL..., EMT... or US-EMP... insert labels, diameter: 16 ... 35 mm, lettering field size: 40 x 17 mm	transparent			
Cable and conductor markers for insert labels, can be marked with EST or ESL, diameter of 1 - 12 mm, lettering field size: 24 x 4 mm	white			
Cable and conductor markers for labels, can be marked with EML or EMLC, diameter of 1 - 20 mm, lettering field size: 20 x 8 mm	white			

Accessories

Insert strips for laser printers, DIN A4, perforated 1 sheet = 174 labels 1 sheet = 56 labels 1 sheet = 488 labels	**ESL 29X8**	0808257	10
Roll, insert labels, can be marked with thermal transfer printer 1 roll = 5400 markers 1 roll = 2300 markers 1 roll = 5000 markers	**EMT (29X8)R**	0817277	1
UniSheet, insert labels, can be marked with THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK ID, and BLUEMARK ID COLOR 1 UniSheet = 48 labels 1 UniSheet = 16 labels	**US-EMP (29X8)**	0829436	10
Textile label 1 roll = 2500 labels 1 roll = 2500 labels			
UniSheet, self-adhesive labels for thermal transfer printer 1 UniSheet = 64 labels, lettering field size: 20 x 8 mm			
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

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Insert label, with lettering field size 40 x 17 mm, for cable diameters > 16 mm



For insert labels with lettering field size 24 x 4 mm, for cable diameters > 1 mm



For adhesive labels, with lettering field size 20 x 8 mm, for cable diameters > 1 mm

Technical data

Polyethylene
-40 ... 80
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KMK 3	1005211	50

Accessories

ESL 40X17	0808095	10
EMT (40X17)R	0817293	1
US-EMP (40X17)	0829437	10
TMP-US-MAG1	0803341	1

Technical data

PA
-40 ... 100
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
LM	1004377	100

Accessories

ESL 24X4	0808231	10
EMT (24X4)R	0816265	1

Technical data

PA
-40 ... 100
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KME	0807083	50

Accessories

EMLC (20X8)R	0815680	1
EML (20X8)R	0816786	1
US-EML (20X8)	0800458	10
TMP-US-MAG1	0803341	1

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Plastic cable markers for insert labels, for assembly with cable ties

Notes:

For matching cable ties, see page 588 onwards or the product area on our website at phoenixcontact.net/products.





Lettering field size: 25 x 6 mm, for cable diameter > 6 mm

- KMK HP ... plastic cable markers mark and bundle conductors and cables indoors
- Flammability rating V0 in accordance with UL 94
- The KMK HP ... cable markers are particularly suitable for use in the railway industry, transportation technology, and building technology, thanks to their outstanding material properties
- The KMK ... versions have eyelets and are attached with cable ties
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark many insert labels for plastic cable markers according to your requirements
- The UCT sheets can also be used with the THERMOMARK CARD-UCT-MAG26 magazine in THERMOMARK CARD ...
- **Designation example: UCT-EMP (25x6)**
  Lettering field width: 25 mm
  Lettering field height: 6 mm
  Type of packaging: sheet

Technical data

General data	
Material	PC (polycarbonate)
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 125
Components	Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker carrier for cable tie assembly	transparent	**KMK HP (25X6)**	0830720	100

Accessories

UniCard, insert strip for KMK... cable marker carriers, can be marked with THERMOMARK CARD, BLUEMARK, and TOPMARK 1 sheet = 15 labels 1 sheet = 15 labels 1 sheet = 3 labels 1 sheet = 3 labels	**UCT-EMP (25X6)**	1014117	10
Roll, insert labels, can be marked with THERMOMARK ROLL, THERMOMARK ROLLMASTER 300, THERMOMARK ROLLMASTER 600 1 roll = 5000 markers 1 roll = 5400 markers 1 roll = 2500 markers 1 roll = 2300 markers	**EMT (25X6)R**	0817264	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EMP ...	**TMP-UCT-MAG26**	0803370	1



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Lettering field size: 29 x 8 mm, for cable diameter > 6 mm



Lettering field size: 60 x 15 mm, for cable diameter > 9 mm



Lettering field size: 40 x 17 mm, for cable diameter > 9 mm

Technical data

PC (polycarbonate)
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (29X8)	0830721	100

Accessories

UCT-EMP (29X8)	1014118	10
EMT (29X8)R	0817277	1
TMP-UCT-MAG26	0803370	1

Technical data

PC (polycarbonate)
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (60X15)	0830722	50

Accessories

UCT-EMP (60X15)	1014119	10
EMT (60X15)R	0801846	1
TMP-UCT-MAG26	0803370	1

Technical data

PC (polycarbonate)
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (40X17)	0830723	50

Accessories

UCT-EMP (40X17)	1014120	10
EMT (40X17)R	0817293	1
TMP-UCT-MAG26	0803370	1

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Plastic cable markers for insert labels, for assembly with cable ties



- KMK UV ... plastic cable markers mark and bundle conductors and cables outdoors
- The KMK UV ... cable markers are transparent, impact resistant, and have excellent weathering resistance. At the same time, they also possess outstanding chemical resistance
- The KMK ... versions have eyelets and are attached with cable ties
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark many insert labels for plastic cable markers according to your requirements
- The UCT sheets can also be used with the THERMOMARK CARD-UCT-MAG26 magazine in THERMOMARK CARD ...
- The UniSheets can also be used with the THERMOMARK CARD-US-MAG1 magazine in THERMOMARK CARD ...
- **Designation example:**
  UCT-EMP (25x6)
  Lettering field width: 25 mm
  Lettering field height: 6 mm
  Type of packaging: roll



Notes:

For matching cable ties, see page 588 onwards or the product area on our website at phoenixcontact.net/products.

[1]) WT-UV HF...BK cable ties are weatherproof and UV resistant in accordance with ISO 4892 (after QUV-B 600 hours) for up to 10 years.



Lettering field size: 25 x 6 mm, for cable diameter > 6 mm

Technical data

General data		
Material		PA
Flammability rating in accordance with UL 94		HB
Temperature range	[°C]	-40 ... 100
Components		Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker carrier for cable tie assembly	transparent	**KMK UV (25X6)**	1014106	100

Accessories

UniCard, insert strip for KMK... cable marker carriers, can be marked with THERMOMARK CARD, BLUEMARK, and TOPMARK 1 sheet = 15 labels 1 sheet = 15 labels 1 sheet = 3 labels 1 sheet = 3 labels	**UCT-EMP (25X6)**	1014117	10
UniSheet, insert labels, can be marked with THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK ID, and BLUEMARK ID COLOR 1 UniSheet = 84 labels 1 UniSheet = 48 labels 1 UniSheet = 9 labels 1 UniSheet = 16 labels	**US-EMP (25X6)-1**	0802754	10
Roll, insert labels, can be marked with THERMOMARK ROLL, THERMOMARK ROLLMASTER 300, THERMOMARK ROLLMASTER 600 1 roll = 5000 markers 1 roll = 5400 markers 1 roll = 2500 markers 1 roll = 2300 markers	**EMT (25X6)R**	0817264	1
Cable tie, halogen-free, flammability rating in accordance with UL 94: V2, maximum bundle Ø [mm] / min. tensile strength [N][1])			
35 / 130	**WT-UV HF 3,6X140 BK**	3240832	100
50 / 220	**WT-UV HF 4,5X200 BK**	3240834	100
79 / 220	**WT-UV HF 4,5X290 BK**	3240835	100
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EMP ...	**TMP-UCT-MAG26**	0803370	1
Magazine for THERMOMARK CARD..., for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

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Lettering field size: 29 x 8 mm, for cable diameter > 6 mm



Lettering field size: 60 x 15 mm, for cable diameter > 9 mm



Lettering field size: 40 x 17 mm, for cable diameter > 9 mm

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK UV (29X8)	1014107	100

Accessories

UCT-EMP (29X8)	1014118	10
US-EMP (29X8)	0829436	10
EMT (29X8)R	0817277	1
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
TMP-UCT-MAG26	0803370	1
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK UV (60X15)	1014108	50

Accessories

UCT-EMP (60X15)	1014119	10
US-EMP (60X15)	0828781	10
EMT (60X15)R	0801846	1
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
TMP-UCT-MAG26	0803370	1
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK UV (40X17)	1014109	50

Accessories

UCT-EMP (40X17)	1014120	10
US-EMP (40X17)	0829437	10
EMT (40X17)R	0817293	1
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
TMP-UCT-MAG26	0803370	1
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

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Plastic cable ties





Cable tie length of 98 ... 1000 mm

- For bundling and fastening conductors and cables
- Can be used indoors and outdoors even under unfavorable industrial conditions
- With the UNIFOX-CT ... cable tie tool, the cable ties are easily tightened and cut off flush in one step
- Cable ties are easy to use, thanks to their optimized geometries
- Optimum head shape for high tensile forces
- Temperature range: briefly up to 110°C
- Comprehensive approvals
- **Designation example:**
  WT-HF 2,5X98
  Cable tie width: 2.5 mm
  Cable tie length: 98 mm

Technical data

General data	
Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V2
Temperature range [°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	transparent	**WT-HF 2,5X98**	3240732	100
40 / 80	transparent	**WT-HF 2,6X160**	3240736	100
52 / 80	transparent	**WT-HF 2,6X200**	3240740	100
35 / 130	transparent	**WT-HF 3,6X140**	3240744	100
50 / 130	transparent	**WT-HF 3,6X200**	3240748	100
80 / 130	transparent	**WT-HF 3,6X290**	3240752	100
40 / 220	transparent	**WT-HF 4,5X160**	3240756	100
50 / 220	transparent	**WT-HF 4,5X200**	3240760	100
79 / 220	transparent	**WT-HF 4,5X290**	3240764	100
100 / 220	transparent	**WT-HF 4,5X360**	3240768	100
115 / 220	transparent	**WT-HF 4,5X430**	3240770	100
80 / 540	transparent	**WT-HF 7,8X300**	3240772	100
100 / 540	transparent	**WT-HF 7,8X365**	3240774	100
158 / 540	transparent	**WT-HF 7,8X540**	3240719	100
233 / 700	transparent	**WT-HF 9X780**	3240778	100
143 / 1080	transparent	**WT-HF 12,6X850**	3240730	50
302 / 1080	transparent	**WT-HF 12,6X1000**	3240728	50
Cable tie, large pack, maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	transparent	**WT-HF 2,5X98-L**	3240735	1000
40 / 80	transparent	**WT-HF 2,6X160-L**	3240739	1000
52 / 80	transparent	**WT-HF 2,6X200-L**	3240743	1000
35 / 130	transparent	**WT-HF 3,6X140-L**	3240747	1000
50 / 130	transparent	**WT-HF 3,6X200-L**	3240751	1000
80 / 130	transparent	**WT-HF 3,6X290-L**	3240755	500
40 / 220	transparent	**WT-HF 4,5X160-L**	3240759	1000
50 / 220	transparent	**WT-HF 4,5X200-L**	3240763	1000

Accessories

Cable tie tool, for plastic cable ties with a width of 2.2 - 4.8 mm, for a material thickness of up to 1.6 mm	**UNIFOX-CT 4,8**	1212475	1
Professional cable tie tool, for plastic cable ties with a width of 2.2 - 4.8 mm, up to 1.6 mm material thickness Ergonomically designed grip with comfortable tension force adjustment	**UNIFOX-CT 4,8P**	1212609	1



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Plastic cable ties



- The black cable ties are UV stabilized by adding carbon black and are suitable for use in outdoor systems in accordance with ISO 4895 (QUV-B 150 hours) for up to three years
- Temperature range: briefly up to 110°C
- Comprehensive approvals



Cable tie length of 98 ... 1000 mm

Technical data

General data	
Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V2
Temperature range [°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	black	**WT-HF 2,5X98 BK**	3240733	100
40 / 80	black	**WT-HF 2,6X160 BK**	3240737	100
52 / 80	black	**WT-HF 2,6X200 BK**	3240741	100
35 / 130	black	**WT-HF 3,6X140 BK**	3240745	100
50 / 130	black	**WT-HF 3,6X200 BK**	3240749	100
80 / 130	black	**WT-HF 3,6X290 BK**	3240753	100
40 / 220	black	**WT-HF 4,5X160 BK**	3240757	100
50 / 220	black	**WT-HF 4,5X200 BK**	3240761	100
79 / 220	black	**WT-HF 4,5X290 BK**	3240765	100
100 / 220	black	**WT-HF 4,5X360 BK**	3240769	100
115 / 220	black	**WT-HF 4,5X430 BK**	3240771	100
80 / 540	black	**WT-HF 7,8X300 BK**	3240773	100
100 / 540	black	**WT-HF 7,8X365 BK**	3240775	100
158 / 540	black	**WT-HF 7,8X540 BK**	3240721	100
233 / 700	black	**WT-HF 9X780 BK**	3240779	100
143 / 1080	black	**WT-HF 12,6X850 BK**	3240731	50
302 / 1080	black	**WT-HF 12,6X1000 BK**	3240729	50
Cable tie, large pack, maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	black	**WT-HF 2,5X98 BK-L**	3240734	1000
40 / 80	black	**WT-HF 2,6X160 BK-L**	3240738	1000
52 / 80	black	**WT-HF 2,6X200 BK-L**	3240742	1000
35 / 130	black	**WT-HF 3,6X140 BK-L**	3240746	1000
50 / 130	black	**WT-HF 3,6X200 BK-L**	3240750	1000
80 / 130	black	**WT-HF 3,6X290 BK-L**	3240754	500
40 / 220	black	**WT-HF 4,5X160 BK-L**	3240758	1000
50 / 220	black	**WT-HF 4,5X200 BK-L**	3240762	1000

Accessories

Cable tie tool, for plastic cable ties with a width of 2.2 - 4.8 mm, for a material thickness of up to 1.6 mm	**UNIFOX-CT 4,8**	1212475	1
Professional cable tie tool, for plastic cable ties with a width of 2.2 - 4.8 mm, up to 1.6 mm material thickness Ergonomically designed grip with comfortable tension force adjustment	**UNIFOX-CT 4,8P**	1212609	1

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Cable ties for outdoor use

– Halogen-free/silicone-free
– Constantly high temperature resistance up to 105°C





Cable tie length of 98 ... 365 mm

The WT-UV HF ... cable ties are specially designed for outdoor use and offer the following features:

– Weatherproof and UV resistant in accordance with ISO 4892 (QUV-B 600 hours) for up to ten years
– Cable ties are easy to use, thanks to their optimum geometries
– Optimum head shape for high tensile forces

Technical data

General data	
Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V2
Temperature range [°C]	-40 ... 105

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	black	**WT-UV HF 2,5X98 BK**	3240831	100
35 / 130	black	**WT-UV HF 3,6X140 BK**	3240832	100
50 / 130	black	**WT-UV HF 3,6X200 BK**	3240833	100
50 / 220	black	**WT-UV HF 4,5X200 BK**	3240834	100
79 / 220	black	**WT-UV HF 4,5X290 BK**	3240835	100
100 / 540	black	**WT-UV HF 7,8X365 BK**	3240837	100

Cable ties with V0 flammability rating in accordance with UL 94





Cable tie length of 140 ... 290 mm

Thanks to their UL 94 V0 flammability rating and absence of halogen, the WT-HP HF ... cable ties are particularly suitable for use in the rail industry.

– **Designation example:**
  WT-HP HF 3,6x140
  Cable tie width: 3.6 mm
  Cable tie length: 140 mm

Technical data

General data	
Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V0
Temperature range [°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie, flammability rating in accordance with UL 94: V0, halogen-free, temperature range: -40°C ... 85°C, maximum bundle Ø [mm]/minimum tensile strength [N]				
35 / 130	transparent	**WT-HP HF 3,6X140**	0830982	100
50 / 220	transparent	**WT-HP HF 4,8X200**	0830983	100
79 / 220	transparent	**WT-HP HF 4,5X290**	0830984	100

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Cable ties for use at high temperatures



The WT-HT HF ... cable ties are specially designed for high-temperature applications and offer the following features:

- Constantly high temperature resistance up to 125°C and briefly up to 145°C
- Cable ties are easy to use, thanks to their optimum geometries
- Black cable ties are UV stabilized
- Special head shape for high tensile forces
- Halogen-free/silicone-free
- **Designation example:**
  WT-HT HF 2,5X98
  Cable tie width: 2.5 mm
  Cable tie length: 98 mm



Cable tie length of 98 ... 365 mm

Technical data

General data	
Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V2
Temperature range [°C]	-40 ... 125

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	transparent	**WT-HT HF 2,5X98**	3240780	100
35 / 130	transparent	**WT-HT HF 3,6X140**	3240782	100
50 / 130	transparent	**WT-HT HF 3,6X200**	3240784	100
50 / 220	transparent	**WT-HT HF 4,5X200**	3240786	100
79 / 220	transparent	**WT-HT HF 4,5X290**	3240788	100
100 / 540	transparent	**WT-HT HF 7,8X365**	3240792	100
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	black	**WT-HT HF 2,5X98 BK**	3240781	100
35 / 130	black	**WT-HT HF 3,6X140 BK**	3240783	100
50 / 130	black	**WT-HT HF 3,6X200 BK**	3240785	100
50 / 220	black	**WT-HT HF 4,5X200 BK**	3240787	100
79 / 220	black	**WT-HT HF 4,5X290 BK**	3240789	100
100 / 540	black	**WT-HT HF 7,8X365 BK**	3240793	100

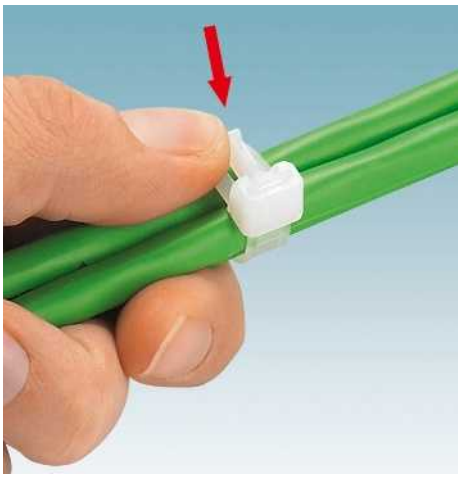
Accessories

Cable tie tool, for plastic cable ties with a width of 2.2 - 4.8 mm, for a material thickness of up to 1.6 mm	**UNIFOX-CT 4,8**	1212475	1
Professional cable tie tool, for plastic cable ties with a width of 2.2 - 4.8 mm, up to 1.6 mm material thickness Ergonomically designed grip with comfortable tension force adjustment	**UNIFOX-CT 4,8P**	1212609	1



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Cable ties for reopening



The WT-D HF ... cable ties are ideal for temporary mounting and offer the following features:
– Can be removed easily without tools and reused
– Cable ties are easy to use, thanks to their optimum geometries
– Halogen-free/silicone-free



Cable tie length of 200 ... 350 mm

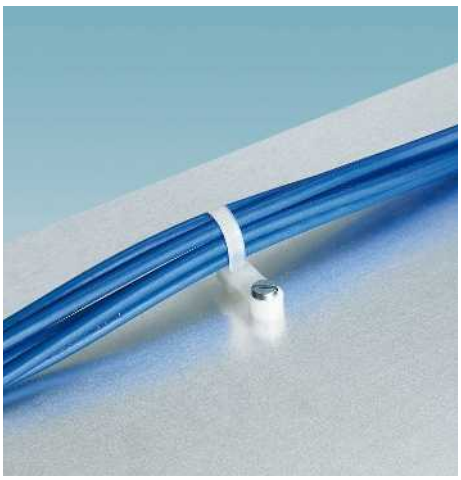
Technical data

General data		
Material		PA 6.6
Components		Free from silicone and halogen
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]				
50 / 220	transparent	**WT-D HF 7,5X200**	3240712	100
65 / 220	transparent	**WT-D HF 7,5X250**	3240714	100
100 / 220	transparent	**WT-D HF 7,5X350**	3240716	100
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]				
50 / 220	black	**WT-D HF 7,5X200 BK**	3240713	100
65 / 220	black	**WT-D HF 7,5X250 BK**	3240715	100
100 / 220	black	**WT-D HF 7,5X350 BK**	3240717	100

Cable ties with lug for direct rivet or screw mounting



The WT-E HF ... cable ties with lug for direct mounting offer the following features:
– Space saving, thanks to molded fastening lug
– Secure hold, thanks to screw or rivet fixing
– Easy to use
– Halogen-free/silicone-free
– Optimum head shape for high tensile forces
– Temperature range: briefly up to 110°C



Cable tie length of 150 ... 380 mm

Technical data

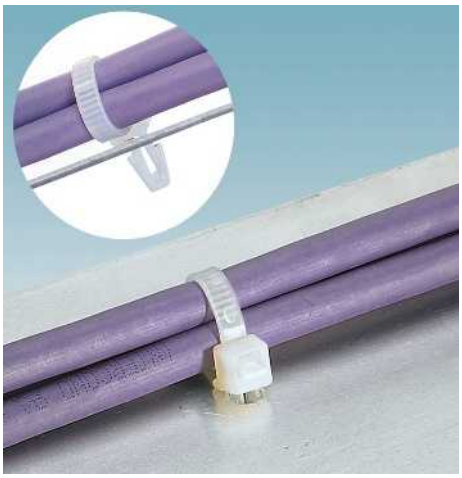
General data		
Material		PA 6.6
Components		Free from silicone and halogen
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]				
32 / 130 hole diameter **4.5** mm	transparent	**WT-E HF 3,6X150**	3240718	100
50 / 220 hole diameter **5.2** mm	transparent	**WT-E HF 4,8X200**	3240720	100
44 / 540 hole diameter **6.5** mm	transparent	**WT-E HF 7,8X200**	3240722	100
75 / 540 hole diameter **6.5** mm	transparent	**WT-E HF 7,8X300**	3240724	100
104 / 540 hole diameter **6.5** mm	transparent	**WT-E HF 7,8X380**	3240726	100

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Cable ties with body-bound rivet for direct mounting





Cable tie length of 150 ... 200 mm

The WT-R HF ... cable ties for straightforward direct mounting offer the following features:
– Space saving, thanks to molded body-bound rivet
– Easy to plug in and optimum hold in standard drill hole
– Optimum head shape for high tensile forces
– Halogen-free/silicone-free

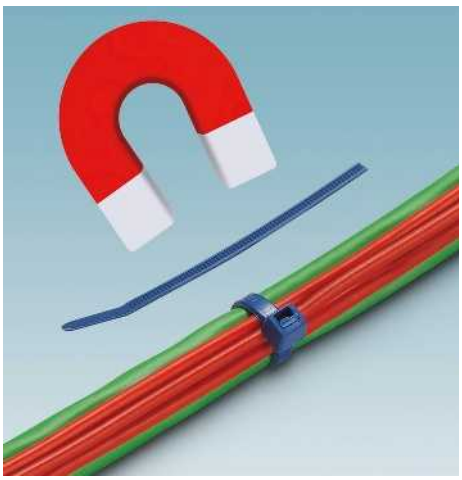
Technical data

General data		
Material		PA 6.6
Components		Free from silicone and halogen
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]				
38 / 130 hole diameter **5.2** mm	transparent	**WT-R HF 3,6X150**	3240801	100
50 / 220 hole diameter **6.3** mm	transparent	**WT-R HF 4,8X200**	3240803	100

Detectable cable ties





Cable tie length of 98 ... 365 mm

The WT-ID HF ... cable ties are specially designed for production processes in the food, pharmaceutical and chemical industries and offer the following features:
– High level of resistance against contamination in the production process
– Detectable using X-ray units or metal detectors
– Magnetic
– Easy to see
– Corrosion-free

Technical data

General data		
Material		PA 6.6
Components		Free from silicone and halogen
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie, with metal portions, maximum bundle Ø [mm]/ minimum tensile strength [N]				
21 / 80	blue	**WT-ID HF 2,5X98 BU**	3240794	100
35 / 130	blue	**WT-ID HF 3,5X140 BU**	3240795	100
50 / 130	blue	**WT-ID HF 3,5X200 BU**	3240796	100
50 / 220	blue	**WT-ID HF 4,5X200 BU**	3240797	100
79 / 220	blue	**WT-ID HF 4,5X290 BU**	3240798	100
100 / 540	blue	**WT-ID HF 7,5X365 BU**	3240800	100

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Cable ties made of stainless steel AISI 304 (V2A)

Notes:

For corresponding stainless steel cable markers, see 246.



The WT-STEEL S ... cable ties are especially suited to use outdoors and in the chemical industry. They offer the following features:

– Secure, permanent attachment with long service life
– Corrosion resistant
– Chemical resistance
– UV resistant
– Weatherproof
– Fire-proof
– Vibration-resistant
– Easy to use and self-locking
– Anti-magnetic
– Halogen-free/silicone-free



Cable tie length of 150 ... 1067 mm

Technical data

General data	
Material	Stainless steel 1.4301/AISI 304
Temperature range [°C]	-80 ... 538

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie, made of stainless steel (AISI 304), width 4.6 mm, maximum bundle Ø [mm]/minimum tensile strength [N]				
30 / 890	silver	**WT-STEEL S 4,6X150**	3240807	100
50 / 890	silver	**WT-STEEL S 4,6X201**	3240808	100
69 / 890	silver	**WT-STEEL S 4,6X259**	3240809	100
102 / 890	silver	**WT-STEEL S 4,6X360**	3240810	100
152 / 890	silver	**WT-STEEL S 4,6X520**	3240811	100
203 / 890	silver	**WT-STEEL S 4,6X679**	3240812	100
254 / 890	silver	**WT-STEEL S 4,6X838**	3240723	100
305 / 890	silver	**WT-STEEL S 4,6X1067**	3240805	100
Cable tie, made of stainless steel (AISI 304), width 7.9 mm, maximum bundle Ø [mm]/minimum tensile strength [N]				
69 / 1335	silver	**WT-STEEL S 7,9X259**	3240814	100
102 / 1335	silver	**WT-STEEL S 7,9X360**	3240815	100
152 / 1335	silver	**WT-STEEL S 7,9X520**	3240816	100
203 / 1335	silver	**WT-STEEL S 7,9X679**	3240817	100
254 / 1335	silver	**WT-STEEL S 7,9X838**	3240725	100
305 / 1335	silver	**WT-STEEL S 7,9X1067**	3240813	100

Accessories

Cable tie tool, for steel cable ties with a width of up to 7.9 mm, material thickness of up to 0.3 mm			
	UNIFOX-CT M 7,9	1212610	1



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Cable ties made of stainless steel AISI 316 (V4A)



The WT-STEEL SH ... cable ties are particularly suitable for use with aggressive chemicals and in the onshore and offshore area. They are characterized by the following:

- Secure, permanent attachment with long service life
- Corrosion resistant when exposed to aggressive chemicals, e.g., acids, salt fog, and sea water
- UV resistant
- Weatherproof
- Fire-proof
- Vibration-resistant
- Easy to use
- Anti-magnetic
- Halogen-free/silicone-free

Notes:

For corresponding stainless steel cable markers, see 246.



Cable tie length of 150 ... 1067 mm

Technical data

General data		
Material		Stainless steel 1.4401/AISI 316
Temperature range	[°C]	-80 ... 538

Ordering data

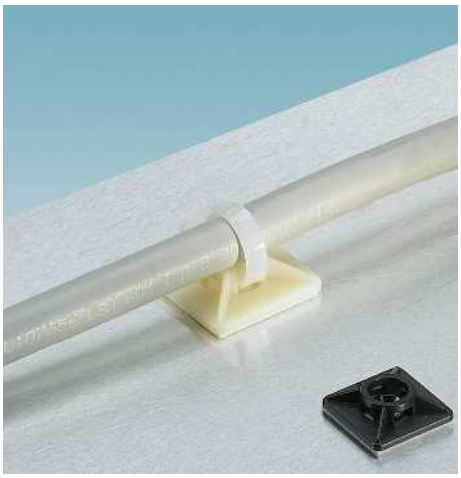
Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie, made of stainless steel (AISI 316), width 4.6 mm, maximum bundle Ø [mm]/minimum tensile strength [N]				
30 / 890	silver	**WT-STEEL SH 4,6X150**	3240820	100
50 / 890	silver	**WT-STEEL SH 4,6X201**	3240821	100
69 / 890	silver	**WT-STEEL SH 4,6X259**	3240822	100
102 / 890	silver	**WT-STEEL SH 4,6X360**	3240823	100
152 / 890	silver	**WT-STEEL SH 4,6X520**	3240824	100
203 / 890	silver	**WT-STEEL SH 4,6X679**	3240825	100
254 / 890	silver	**WT-STEEL SH 4,6X838**	3240727	100
305 / 890	silver	**WT-STEEL SH 4,6X1067**	3240818	100
Cable tie, made of stainless steel (AISI 316), width 7.9 mm, maximum bundle Ø [mm]/minimum tensile strength [N]				
69 / 1335	silver	**WT-STEEL SH 7,9X259**	3240827	100
102 / 1335	silver	**WT-STEEL SH 7,9X360**	3240828	100
152 / 1335	silver	**WT-STEEL SH 7,9X520**	3240829	100
203 / 1335	silver	**WT-STEEL SH 7,9X679**	3240830	100
254 / 1335	silver	**WT-STEEL SH 7,9X838**	3240766	100
305 / 1335	silver	**WT-STEEL SH 7,9X1067**	3240826	100

Accessories

Cable tie tool, for steel cable ties with a width of up to 7.9 mm, material thickness of up to 0.3 mm		
UNIFOX-CT M 7,9	1212610	1

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenseng.com - www.stevenengineering.com

Cable tie base, self-adhesive and/or screwable



The WT-BASE LS ... cable tie bases are characterized by their excellent adhesive properties as well as the following:
– Easy to use
– Cable ties can be fed through on four sides
– Self-adhesive and optionally screwable
– Secure hold, load can be applied after just a few minutes
– Halogen-free/silicone-free



Cable tie base, for cable tie width up to 4 (6) mm

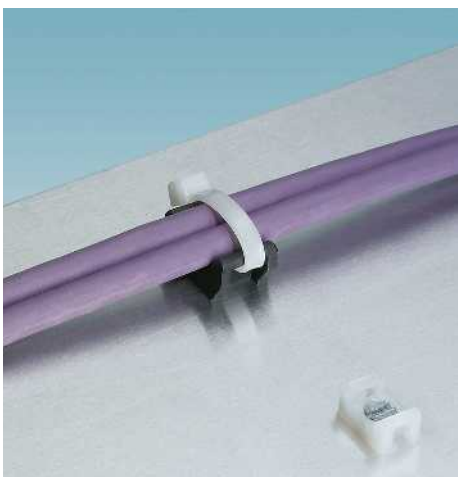
Technical data

General data	
Material	ABS
Flammability rating in accordance with UL 94	HB
Temperature range [°C]	-40 ... 60

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie base, for cable ties of up to 4 mm width, self-adhesive and screwable, 4 mm fixing hole, dimensions: 19 x 19 mm				
	transparent	**WT-BASE LS HF 4**	3240706	100
	black	**WT-BASE LS HF 4 BK**	3240707	100
Cable tie base, for cable ties of up to 6 mm width, self-adhesive and screwable, 4.8 mm fixing hole, dimensions: 27 x 27 mm				
	transparent	**WT-BASE LS HF 6**	3240708	100
	black	**WT-BASE LS HF 6 BK**	3240709	100

Cable tie base, screwable



– Space-saving design
– Easy to use
– Cable ties can be fed through on two sides
– Halogen-free/silicone-free



Cable tie base, for cable tie width from 5 (9) mm

Technical data

General data	
Material	PA 6.6
Flammability rating in accordance with UL 94	V2
Temperature range [°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie base, for cable ties of up to 5 mm width, screwable, 3.5 mm fixing hole, dimensions: 9.5 x 15 mm				
	transparent	**WT-BASE HF 5**	3240702	100
	black	**WT-BASE HF 5 BK**	3240703	100
Cable tie base, for cable ties of up to 9 mm width, screwable, 5 mm fixing hole, dimensions: 14.6 x 22 mm				
	transparent	**WT-BASE HF 9**	3240704	100
	black	**WT-BASE HF 9 BK**	3240705	100

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Cable tie base for direct mounting

- WT-BASE R ... with molded body-bound rivet for direct mounting in materials of up to 3 mm thickness
- WT-BASE P ... is ideally suited to use in solid panels
- Easy to use, can be directly knocked into the panel



Cable tie base,
for cable tie width up to 8 mm



Cable tie base,
for cable tie width up to 9.5 mm

Technical data

General data		
Material	PA 6.6	PA 6
Flammability rating in accordance with UL 94	V2	HB
Temperature range [°C]	-40 ... 85	-10 ... 65

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cable tie base, for cable ties of up to 8 mm width, with molded body-bound rivet, 6.5 mm drilling diameter	transparent	**WT-BASE R HF 8**	3240711	100			
Cable tie base, for cable ties of up to 9.5 mm width, with fins, 8 mm drilling diameter, can be knocked in	black				**WT-BASE P HF 9,5 BK**	3240710	100

Cable drillers, for fast and tool-free bundling of conductors and cables



- Fast and easy to use
- Can be removed again
- Reusable
- Tool-free mounting
- Ideal for temporary bundling
- Halogen-free/silicone-free



Cable driller,
bundle diameter from 5.1 to 20.3 mm

Technical data

General data		
Material		PA 6.6
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable driller				
Bundle diameters 5.1 - 7.6 mm	transparent	**WG-D HF 7,6**	3241099	500
Bundle diameters 7.6 - 10.2 mm	transparent	**WG-D HF 10,2**	3241101	500
Bundle diameters 10.2 - 12.7 mm	transparent	**WG-D HF 12,7**	3241103	500
Bundle diameters 12.7 - 16 mm	transparent	**WG-D HF 16**	3241105	500
Bundle diameters 16 - 20.3 mm	transparent	**WG-D HF 20,3**	3241107	1000
Cable driller				
Bundle diameters 5.1 - 7.6 mm	black	**WG-D HF 7,6 BK**	3241100	500
Bundle diameters 7.6 - 10.2 mm	black	**WG-D HF 10,2 BK**	3241102	500
Bundle diameters 10.2 - 12.7 mm	black	**WG-D HF 12,7 BK**	3241104	500
Bundle diameters 12.7 - 16 mm	black	**WG-D HF 16 BK**	3241106	500
Bundle diameters 16 - 20.3 mm	black	**WG-D HF 20,3 BK**	3241108	1000

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CLIPSAFE junction boxes and empty enclosures



Your web code: #0140



Ex stainless steel empty enclosures

The stainless steel Ex enclosure product range provides comprehensive protection for your applications in industrial environments and in process technology. The product range consists of standardized enclosures in sizes up to 1000 mm x 1000 mm x 300 mm. On request, we can expand the enclosures into ATEX- and IECEx-approved junction boxes.



Ex polyester empty enclosures

The comprehensive range of polyester Ex enclosures provides comprehensive protection for your applications in Ex areas. On request, we can expand the enclosures into ATEX- and IECEx-approved junction boxes.



Polyester empty enclosures

The extensive standard polyester enclosure range provides robust standard enclosures for industrial environments as well as for non-potentially explosive areas in the process industry. The enclosures are expanded in line with your requirements into junction boxes and control boxes.

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Empty enclosures

Select the ideal enclosure for your application. Custom dimensions and surface treatments are available on request.
For applications in the Ex area, the enclosures are supplied with corresponding component approval in accordance with ATEX or IECEx.



Empty enclosures customized according to customer specifications

We can customize the enclosures according to your specifications with threads, bore holes, and rectangular cutouts. The Ex standardsin accordance with ATEX and IECEx are taken into consideration. The enclosures are supplied with corresponding component approval.



Junction boxes assembled according to customer specifications

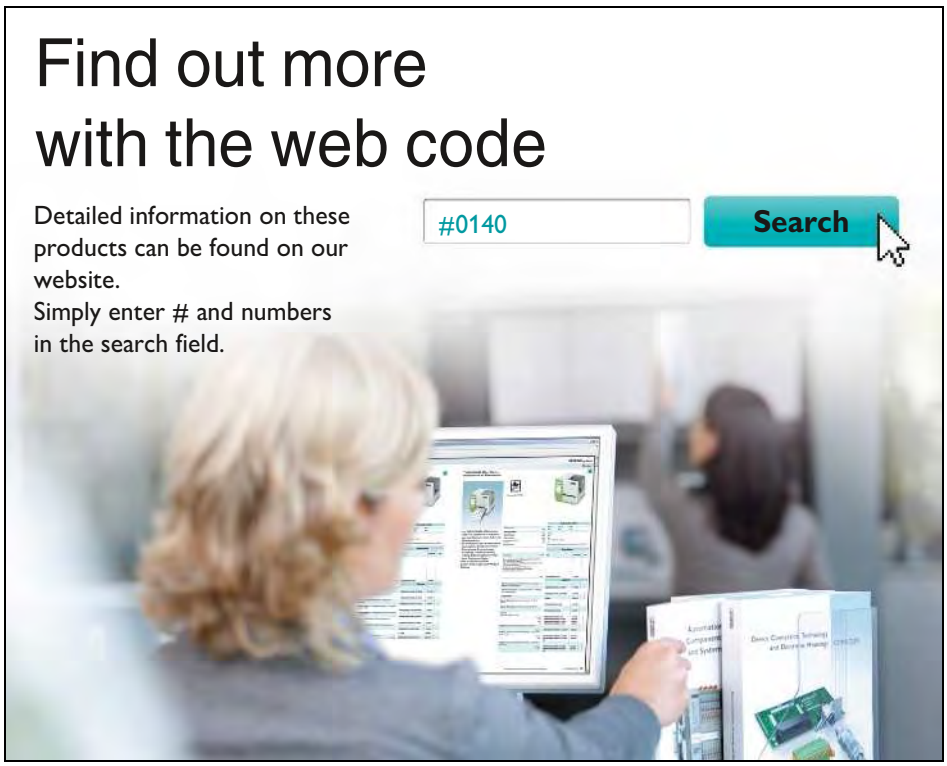
If desired, you can obtain the CLIPSAFE empty enclosure completely equipped with components and cable glands. For use in potentially explosive areas, the junction boxes are supplied with corresponding equipment approval in accordance with ATEX and IECEx.



Customer-specific solutions

To obtain a quick quote for your customized junction box and enclosure solution, please fill out the request form on the website. You can easily describe your requirements using the form. We will then prepare an individual quote based on the information provided. Just enter the web code into the search field on our website.

Your web code: #0851



Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenengineering.com - www.stevenengineering.com

Ex stainless steel empty enclosures

Empty enclosure, depth of 80 - 120 mm

- Defined stops and the special design of the seal support ensure optimum seal compression. They thereby satisfy the high requirements in terms of sealing for the housing
- As of 160 mm depth (C), four housing sides can be assembled with flange plates
- The stainless steel marking label supplied as standard is fitted on the outside away from the seal area in the bore holes provided
- The patented protective seal frame protects the flange plate seal against external influences
- Additional ground bolts are attached to the door and housing for easy door stop replacement
- The housing has a large mounting opening for convenient assembly of the terminal boxes. The flat seal edge protects against injury during installation and when carrying out maintenance and servicing

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see "Equipment marking" section

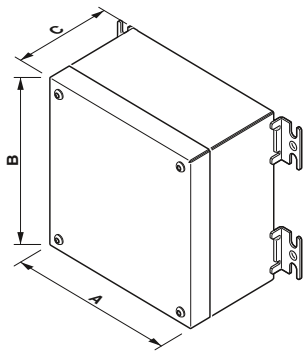
Marking

Baseefa 14 ATEX 0393U
IECEx BAS 14.0179U
Ⓔx II 2 G Ex e IIC Gb
Ⓔx II 2 D Ex tb IIIC Db
-55°C ≤ Ta ≤ +135°C Type IP66

Note: for customer-specific Ex terminal boxes, use the request form on the website, and specify web code:

ⓘ #0851

Notes:
Detailed installation and assembly instructions for use in Ex areas: see installation instructions and the download area for the item at www.phoenixcontact.net/products.
Torque values for all mounting screws are documented in the installation instructions supplied as standard and in the product area of the website at www.phoenixcontact.net/products.
In the case of sides with a length of ≥ 600 mm, the material thickness increases to 2 mm.
[1]) Matching stainless steel labels: EMP-V4A Lid-S - 0839005 and EMP-V4A Lid-S CUS - 0839006.





Depth of 80 mm and 100 mm, housing with cover screwed in place, without flange, without mounting plate

Ex: Ⓔx EAC Ex IECEx
Baseefa14ATEX0393U

Technical data

Sealing material		Silicon
Scope of supply		Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes
Degree of protection		IP66
Impact strength	[J]	7
Surface characteristics		Brushed, 240 grain
Temperature resistance	[°C]	-55 ... 135
Type of locking		Screw-on cover, Allen screws
Housing fixing		External fixing clips
Material thickness	[mm]	1.5

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Terminal box, stainless steel AISI 316 L / 1.4404, without mounting plate	100 x 100 x 80	**E S6 A 100X100X80**	0899000	1
	150 x 100 x 80	**E S6 A 150X100X80**	0899001	1
	200 x 100 x 80	**E S6 A 200X100X80**	0899002	1
	120 x 120 x 100	**E S6 A 120X120X100**	0899009	1
Terminal box, stainless steel AISI 316 L / 1.4404, with mounting plate	150 x 150 x 80			
	200 x 150 x 80			
	300 x 150 x 80			
	400 x 150 x 80			
	200 x 200 x 80			
	300 x 200 x 80			
	150 x 150 x 100			
	200 x 200 x 120			
	300 x 200 x 120			
	400 x 200 x 120			
	600 x 200 x 120			
	200 x 300 x 120			
	300 x 300 x 120			
Terminal box, stainless steel AISI 304 / 1.4301, without mounting plate	100 x 100 x 80	**E S4 A 100X100X80**	0899550	1
	150 x 100 x 80	**E S4 A 150X100X80**	0899551	1
	200 x 100 x 80	**E S4 A 200X100X80**	0899552	1
	120 x 120 x 100	**E S4 A 120X120X100**	0899559	1
Terminal box, stainless steel AISI 304 / 1.4301, with mounting plate	150 x 150 x 80			
	200 x 150 x 80			
	300 x 150 x 80			
	400 x 150 x 80			
	200 x 200 x 80			
	300 x 200 x 80			
	150 x 150 x 100			
	200 x 200 x 120			
	200 x 300 x 120			
	300 x 200 x 120			
	300 x 300 x 120			
	400 x 200 x 120			
	600 x 200 x 120			

Accessories

Stainless steel label, unmarked, 70 x 50 x 1 mm	silver	**EMP-V4A CS LID-S**	0839005	10

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Depth of 80 mm, housing with cover screwed in place, without flange, with mounting plate

Ex: EAC Ex
Baseefa14ATEX0393U

Technical data

Silicon
Mounting plate, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes

IP66
7
Brushed, 240 grain
-55 ... 135
Screw-on cover, Allen screws
External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
E S6 A 150X150X80[1])	0899003	1
E S6 A 200X150X80[1])	0899004	1
E S6 A 300X150X80[1])	0899005	1
E S6 A 400X150X80[1])	0899006	1
E S6 A 200X200X80	0899007	1
E S6 A 300X200X80	0899008	1
E S4 A 150X150X80	0899553	1
E S4 A 200X150X80	0899554	1
E S4 A 300X150X80	0899555	1
E S4 A 400X150X80	0899556	1
E S4 A 200X200X80	0899557	1
E S4 A 300X200X80	0899558	1

Accessories

EMP-V4A CS LID	0839003	10



Depth of 100 mm, housing with cover screwed in place, without flange, with mounting plate

Ex: EAC Ex
Baseefa14ATEX0393U

Technical data

Silicon
Mounting plate, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes

IP66
7
Brushed, 240 grain
-55 ... 135
Screw-on cover, Allen screws
External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
E S6 A 150X150X100	0899010	1
E S4 A 150X150X100	0899560	1

Accessories

EMP-V4A CS LID	0839003	10



Depth of 120 mm, housing with cover screwed in place, without flange, with mounting plate

Ex: EAC Ex
Baseefa14ATEX0393U

Technical data

Silicon
Mounting plate, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes

IP66
7
Brushed, 240 grain
-55 ... 135
Screw-on cover, Allen screws
External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
E S6 A 200X200X120	0899011	1
E S6 A 300X200X120	0899012	1
E S6 A 400X200X120	0899013	1
E S6 A 600X200X120	0899014	1
E S6 A 200X300X120	0899015	1
E S6 A 300X300X120	0899016	1
E S4 A 200X200X120	0899561	1
E S4 A 200X300X120	0899565	1
E S4 A 300X200X120	0899562	1
E S4 A 300X300X120	0899566	1
E S4 A 400X200X120	0899563	1
E S4 A 600X200X120	0899564	1

Accessories

EMP-V4A CS LID	0839003	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Ex stainless steel empty enclosures

Empty enclosure, depth of 160 mm

- Defined stops and the special design of the seal support ensure optimum seal compression. They thereby satisfy the high requirements in terms of sealing for the housing
- As of 160 mm depth (C), four housing sides can be assembled with flange plates
- The stainless steel marking label supplied as standard is fitted on the outside away from the seal area in the bore holes provided
- The patented protective seal frame protects the flange plate seal against external influences
- Additional ground bolts are attached to the door and housing for easy door stop replacement
- The housing has a large mounting opening for convenient assembly of the terminal boxes. The flat seal edge protects against injury during installation and when carrying out maintenance and servicing

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see "Equipment marking" section

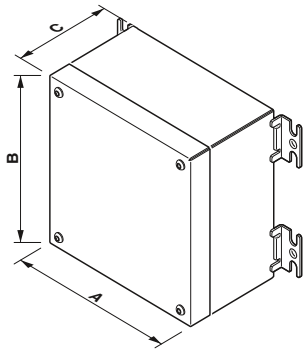
Marking

Baseefa 14 ATEX 0393U
IECEx BAS 14.0179U
Ex II 2 G Ex e IIC Gb
Ex II 2 D Ex tb IIIC Db
-55°C ≤ Ta ≤ +135°C Type IP66

Note: for customer-specific Ex terminal boxes, use the request form on the website, and specify web code:

#0851

Notes:
Detailed installation and assembly instructions for use in Ex areas: see installation instructions and the download area for the item at www.phoenixcontact.net/products.
Torque values for all mounting screws are documented in the installation instructions supplied as standard and in the product area of the website at www.phoenixcontact.net/products.
In the case of sides with a length of ≥ 600 mm, the material thickness increases to 2 mm.





Depth of 160 mm, housing with cover screwed in place, without flange, with mounting plate

Ex: Ex EAC Ex
Baseefa14ATEX0393U

Technical data

Sealing material		Silicon
Scope of supply		Mounting plate, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes
Degree of protection		IP66
Impact strength	[J]	7
Surface characteristics		Brushed, 240 grain
Temperature resistance	[°C]	-55 ... 135
Type of locking		Screw-on cover, Allen screws
Housing fixing		External fixing clips
Material thickness	[mm]	1.5

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Terminal box, stainless steel AISI 316 L / 1.4404, with mounting plate	200 x 200 x 160	**E S6 A 200X200X160**	0899017	1
	260 x 260 x 160	**E S6 A 260X260X160**	0899019	1
	400 x 260 x 160	**E S6 A 400X260X160**	0899021	1
	200 x 300 x 160	**E S6 A 200X300X160**	0899023	1
	300 x 300 x 160	**E S6 A 300X300X160**	0899025	1
	400 x 300 x 160	**E S6 A 400X300X160**	0899027	1
	260 x 380 x 160	**E S6 A 260X380X160**	0899029	1
	380 x 380 x 160	**E S6 A 380X380X160**	0899031	1
	500 x 400 x 160	**E S6 A 500X400X160**	0899033	1
	382 x 458 x 160	**E S6 A 382X458X160**	0899035	1
	480 x 480 x 160	**E S6 A 480X480X160**	0899037	1
	300 x 500 x 160	**E S6 A 300X500X160**	0899039	1
	400 x 500 x 160	**E S6 A 400X500X160**	0899041	1
	350 x 500 x 160	**E S6 A 350X500X160**	0899043	1
	450 x 620 x 160	**E S6 A 450X620X160**	0899045	1
Terminal box, stainless steel AISI 304 / 1.4301, with mounting plate	200 x 200 x 160	**E S4 A 200X200X160**	0899567	1
	200 x 300 x 160	**E S4 A 200X300X160**	0899579	1
	260 x 260 x 160	**E S4 A 260X260X160**	0899571	1
	260 x 380 x 160	**E S4 A 260X380X160**	0899591	1
	300 x 300 x 160	**E S4 A 300X300X160**	0899583	1
	300 x 500 x 160	**E S4 A 300X500X160**	0899611	1
	350 x 500 x 160	**E S4 A 350X500X160**	0899619	1
	380 x 380 x 160	**E S4 A 380X380X160**	0899595	1
	382 x 458 x 160	**E S4 A 382X458X160**	0899603	1
	400 x 260 x 160	**E S4 A 400X260X160**	0899575	1
	400 x 300 x 160	**E S4 A 400X300X160**	0899587	1
	400 x 500 x 160	**E S4 A 400X500X160**	0899615	1
	450 x 620 x 160	**E S4 A 450X620X160**	0899623	1
	480 x 480 x 160	**E S4 A 480X480X160**	0899607	1
	500 x 400 x 160	**E S4 A 500X400X160**	0899599	1

Accessories

Torque screwdriver, adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Screw bit, hexagonal, E6.3-1/4" drive, hardened, suitable for holder in accordance with DIN 3126-F 6.3/ISO 1173, size: hex 3 x 50 mm	silver	**SF-BIT-HEX 3-50**	1212647	5
Size: hex 4 x 50 mm	silver	**SF-BIT-HEX 4-50**	1212648	5
Stainless steel label, unmarked, 70 x 50 x 1 mm	silver	**EMP-V4A CS LID**	0839003	10

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Depth of 160 mm, housing with cover screwed in place, with flange plates on the bottom, with mounting plate

Ex:
Baseefa14ATEX0393U

Technical data

Silicon
Mounting plate, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes, Flange plates

IP66
7
Brushed, 240 grain
-55 ... 135
Screw-on cover, Allen screws

External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
E1 S6 A 200X200X160	0899018	1
E1 S6 A 260X260X160	0899020	1
E1 S6 A 400X260X160	0899022	1
E1 S6 A 200X300X160	0899024	1
E1 S6 A 300X300X160	0899026	1
E1 S6 A 400X300X160	0899028	1
E1 S6 A 260X380X160	0899030	1
E1 S6 A 380X380X160	0899032	1
E1 S6 A 500X400X160	0899034	1
E1 S6 A 382X458X160	0899036	1
E1 S6 A 480X480X160	0899038	1
E1 S6 A 300X500X160	0899040	1
E1 S6 A 400X500X160	0899042	1
E1 S6 A 350X500X160	0899044	1
E1 S6 A 450X620X160	0899046	1
E1 S4 A 200X200X160	0899568	1
E1 S4 A 200X300X160	0899580	1
E1 S4 A 260X260X160	0899572	1
E1 S4 A 260X380X160	0899592	1
E1 S4 A 300X300X160	0899584	1
E1 S4 A 300X500X160	0899612	1
E1 S4 A 350X500X160	0899620	1
E1 S4 A 380X380X160	0899596	1
E1 S4 A 382X458X160	0899604	1
E1 S4 A 400X260X160	0899576	1
E1 S4 A 400X300X160	0899588	1
E1 S4 A 400X500X160	0899616	1
E1 S4 A 450X620X160	0899624	1
E1 S4 A 480X480X160	0899608	1
E1 S4 A 500X400X160	0899600	1

Accessories

TSD-M 6NM	1212226	1
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
EMP-V4A CS LID	0839003	10



Depth of 160 mm, cabinet with door hinge, without flange, with mounting plate

Ex: EAC Ex
Baseefa14ATEX0393U

Technical data

Silicon
Door hinge with quarter turn locking, Mounting plate, Double-bit key, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes

IP66
7
Brushed, 240 grain
-55 ... 135
Door with replaceable hinge, Quarter turn locking with two-way key bit

External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
C S6 A 200X200X160	0899047	1
C S6 A 260X260X160	0899049	1
C S6 A 400X260X160	0899051	1
C S6 A 200X300X160	0899053	1
C S6 A 300X300X160	0899055	1
C S6 A 400X300X160	0899057	1
C S6 A 260X380X160	0899059	1
C S6 A 380X380X160	0899061	1
C S6 A 500X400X160	0899063	1
C S6 A 382X458X160	0899065	1
C S6 A 480X480X160	0899067	1
C S6 A 300X500X160	0899069	1
C S6 A 400X500X160	0899071	1
C S6 A 350X500X160	0899073	1
C S6 A 450X620X160	0899075	1
C S4 A 200X200X160	0899569	1
C S4 A 200X300X160	0899581	1
C S4 A 260X260X160	0899573	1
C S4 A 260X380X160	0899593	1
C S4 A 300X300X160	0899585	1
C S4 A 300X500X160	0899613	1
C S4 A 350X500X160	0899621	1
C S4 A 380X380X160	0899597	1
C S4 A 382X458X160	0899605	1
C S4 A 400X260X160	0899577	1
C S4 A 400X300X160	0899589	1
C S4 A 400X500X160	0899617	1
C S4 A 450X620X160	0899625	1
C S4 A 480X480X160	0899609	1
C S4 A 500X400X160	0899601	1

Accessories

TSD-M 6NM	1212226	1
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
EMP-V4A CS DOOR	0839001	10



Depth of 160 mm, cabinet with door hinge, with flange plates below, with mounting plate

Ex:
Baseefa14ATEX0393U

Technical data

Silicon
Door hinge with quarter turn locking, Mounting plate, Double-bit key, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes, Flange plates

IP66
7
Brushed, 240 grain
-55 ... 135
Door with replaceable hinge, Quarter turn locking with two-way key bit

External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
C1 S6 A 200X200X160	0899048	1
C1 S6 A 260X260X160	0899050	1
C1 S6 A 400X260X160	0899052	1
C1 S6 A 200X300X160	0899054	1
C1 S6 A 300X300X160	0899056	1
C1 S6 A 400X300X160	0899058	1
C1 S6 A 260X380X160	0899060	1
C1 S6 A 380X380X160	0899062	1
C1 S6 A 500X400X160	0899064	1
C1 S6 A 382X458X160	0899066	1
C1 S6 A 480X480X160	0899068	1
C1 S6 A 300X500X160	0899070	1
C1 S6 A 400X500X160	0899072	1
C1 S6 A 350X500X160	0899074	1
C1 S6 A 450X620X160	0899076	1
C1 S4 A 200X200X160	0899570	1
C1 S4 A 200X300X160	0899582	1
C1 S4 A 260X260X160	0899574	1
C1 S4 A 260X380X160	0899594	1
C1 S4 A 300X300X160	0899586	1
C1 S4 A 300X500X160	0899614	1
C1 S4 A 350X500X160	0899622	1
C1 S4 A 380X380X160	0899598	1
C1 S4 A 382X458X160	0899606	1
C1 S4 A 400X260X160	0899578	1
C1 S4 A 400X300X160	0899590	1
C1 S4 A 400X500X160	0899618	1
C1 S4 A 450X620X160	0899626	1
C1 S4 A 480X480X160	0899610	1
C1 S4 A 500X400X160	0899602	1

Accessories

TSD-M 6NM	1212226	1
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
EMP-V4A CS DOOR	0839001	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenseng.com - www.stevenengineering.com

Ex stainless steel empty enclosures

Terminal boxes, depth of 200 mm

- Defined stops and the special design of the seal support ensure optimum seal compression. They thereby satisfy the high requirements in terms of sealing for the housing
- As of 160 mm depth (C), four housing sides can be assembled with flange plates
- The stainless steel marking label supplied as standard is fitted on the outside away from the seal area in the bore holes provided
- The patented protective seal frame protects the flange plate seal against external influences
- Additional ground bolts are attached to the door and housing for easy door stop replacement
- The housing has a large mounting opening for convenient assembly of the terminal boxes. The flat seal edge protects against injury during installation and when carrying out maintenance and servicing

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see "Equipment marking" section

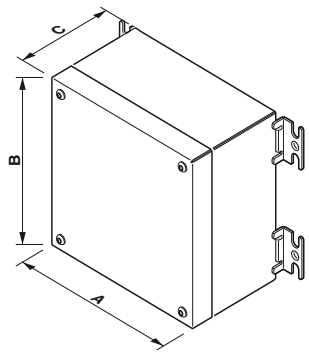
Marking

Baseefa 14 ATEX 0393U
IECEx BAS 14.0179U
Ⓔx II 2 G Ex e IIC Gb
Ⓔx II 2 D Ex tb IIIC Db
-55°C ≤ Ta ≤ +135°C Type IP66

Note: for customer-specific Ex terminal boxes, use the request form on the website, and specify web code:

ⓘ #0851

Notes:
Detailed installation and assembly instructions for use in Ex areas: see installation instructions and the download area for the item at www.phoenixcontact.net/products.
Torque values for all mounting screws are documented in the installation instructions supplied as standard and in the product area of the website at www.phoenixcontact.net/products.
In the case of sides with a length of ≥ 600 mm, the material thickness increases to 2 mm.





Depth of 200 mm, housing with cover screwed in place, without flange plates, with mounting plate

Ex: Ⓔx EAC Ex IECEx
Baseefa14ATEX0393U

Technical data

Sealing material		Silicon
Scope of supply		Mounting plate, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes
Degree of protection		IP66
Impact strength	[J]	7
Surface characteristics		Brushed, 240 grain
Temperature resistance	[°C]	-55 ... 135
Type of locking		Screw-on cover, Allen screws
Housing fixing		External fixing clips
Material thickness	[mm]	1.5

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Terminal box, stainless steel AISI 316L / 1.4404, with cover screwed in place	260 x 300 x 200	**E S6 A 260X300X200**	0899077	1
	300 x 300 x 200	**E S6 A 300X300X200**	0899078	1
	300 x 400 x 200	**E S6 A 300X400X200**	0899079	1
	400 x 400 x 200	**E S6 A 400X400X200**	0899080	1
Terminal box, stainless steel AISI 316L / 1.4404, with door and twist lock	260 x 300 x 200			
	300 x 300 x 200			
	600 x 400 x 200			
Terminal box, stainless steel AISI 304 / 1.4301, with cover screwed in place	260 x 300 x 200	**E S4 A 260X300X200**	0899627	1
	300 x 300 x 200	**E S4 A 300X300X200**	0899629	1
	300 x 400 x 200	**E S4 A 300X400X200**	0899631	1
	400 x 400 x 200	**E S4 A 400X400X200**	0899632	1
Terminal box, stainless steel AISI 304 / 1.4301, with door and twist lock	260 x 300 x 200			
	300 x 300 x 200			
	600 x 400 x 200			

Accessories

Torque screwdriver, adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Screw bit, hexagonal, E6.3-1/4" drive, hardened, suitable for holder in accordance with DIN 3126-F 6.3/ISO 1173, size: hex 3 x 50 mm	silver	**SF-BIT-HEX 3-50**	1212647	5
Size: hex 4 x 50 mm	silver	**SF-BIT-HEX 4-50**	1212648	5
Stainless steel label, unmarked, 70 x 50 x 1 mm	silver	**EMP-V4A CS LID**	0839003	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



Depth of 200 mm, cabinet with door hinge, without flange plates, with mounting plate

Ex: EAC Ex
Baseefa14ATEX0393U

Technical data

Silicon
Door hinge with quarter turn locking, Mounting plate, Double-bit key, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes

IP66
7
Brushed, 240 grain
-55 ... 135
Door with replaceable hinge, Quarter turn locking with two-way key bit
External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
C S6 A 260X300X200	0899081	1
C S6 A 300X300X200	0899082	1
C S6 A 600X400X200	0899083	1
C S4 A 260X300X200	0899628	1
C S4 A 300X300X200	0899630	1
C S4 A 600X400X200	0899633	1

Accessories

TSD-M 6NM	1212226	1
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
EMP-V4A CS DOOR	0839001	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Ex stainless steel empty enclosures

Empty enclosure, depth of 210 mm

- Defined stops and the special design of the seal support ensure optimum seal compression. They thereby satisfy the high requirements in terms of sealing for the housing
- As of 160 mm depth (C), four housing sides can be assembled with flange plates
- The stainless steel marking label supplied as standard is fitted on the outside away from the seal area in the bore holes provided
- The patented protective seal frame protects the flange plate seal against external influences
- Additional ground bolts are attached to the door and housing for easy door stop replacement
- The housing has a large mounting opening for convenient assembly of the terminal boxes. The flat seal edge protects against injury during installation and when carrying out maintenance and servicing

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see "Equipment marking" section

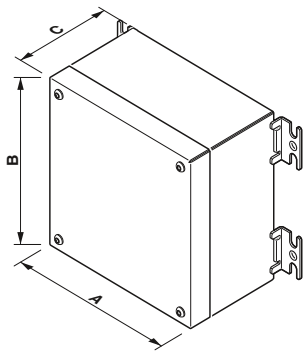
Marking

Baseefa 14 ATEX 0393U
IECEx BAS 14.0179U
Ex II 2 G Ex e IIC Gb
Ex II 2 D Ex tb IIIC Db
-55°C ≤ Ta ≤ +135°C Type IP66

Note: for customer-specific Ex terminal boxes, use the request form on the website, and specify web code:

#0851

Notes:
Detailed installation and assembly instructions for use in Ex areas: see installation instructions and the download area for the item at www.phoenixcontact.net/products.
Torque values for all mounting screws are documented in the installation instructions supplied as standard and in the product area of the website at www.phoenixcontact.net/products.
In the case of sides with a length of ≥ 600 mm, the material thickness increases to 2 mm.





Depth of 210 mm, cabinet with door hinge, without flange plates, with mounting plate

Ex:
Baseefa14ATEX0393U

Technical data

Sealing material		Silicon
Scope of supply		Door hinge with quarter turn locking, Mounting plate, Double-bit key, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes
Degree of protection		IP66
Impact strength	[J]	7
Surface characteristics		Brushed, 240 grain
Temperature resistance	[°C]	-55 ... 135
Type of locking		Door with replaceable hinge, Quarter turn locking with two-way key bit
Housing fixing		External fixing clips
Material thickness	[mm]	1.5

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Terminal box, stainless steel AISI 316L / 1.4404, with door and twist lock	260 x 260 x 210	**C S6 A 260X260X210**	0899084	1
	300 x 300 x 210	**C S6 A 300X300X210**	0899087	1
	260 x 380 x 210	**C S6 A 260X380X210**	0899090	1
	600 x 400 x 210	**C S6 A 600X400X210**	0899093	1
	382 x 458 x 210	**C S6 A 382X458X210**	0899096	1
	480 x 480 x 210	**C S6 A 480X480X210**	0899099	1
	350 x 500 x 210	**C S6 A 350X500X210**	0899102	1
	600 x 600 x 210	**C S6 A 600X600X210**	0899105	1
	450 x 620 x 210	**C S6 A 450X620X210**	0899108	1
	550 x 740 x 210	**C S6 A 550X740X210**	0899111	1
	508 x 762 x 210	**C S6 A 508X762X210**	0899114	1
	640 x 860 x 210	**C S6 A 640X860X210**	0899117	1
	610 x 914 x 210	**C S6 A 610X914X210**	0899120	1
	740 x 980 x 210	**C S6 A 740X980X210**	0899123	1
Terminal box, stainless steel AISI 304 / 1.4301, with door and twist lock	260 x 260 x 210	**C S4 A 260X260X210**	0899634	1
	260 x 380 x 210	**C S4 A 260X380X210**	0899640	1
	300 x 300 x 210	**C S4 A 300X300X210**	0899637	1
	350 x 500 x 210	**C S4 A 350X500X210**	0899652	1
	382 x 458 x 210	**C S4 A 382X458X210**	0899646	1
	450 x 620 x 210	**C S4 A 450X620X210**	0899658	1
	480 x 480 x 210	**C S4 A 480X480X210**	0899649	1
	508 x 762 x 210	**C S4 A 508X762X210**	0899664	1
	550 x 740 x 210	**C S4 A 550X740X210**	0899661	1
	600 x 400 x 210	**C S4 A 600X400X210**	0899643	1
	600 x 600 x 210	**C S4 A 600X600X210**	0899655	1
	610 x 914 x 210	**C S4 A 610X914X210**	0899670	1
	640 x 860 x 210	**C S4 A 640X860X210**	0899667	1
	740 x 980 x 210	**C S4 A 740X980X210**	0899673	1

Accessories

Torque screwdriver, adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Screw bit, hexagonal, E6.3-1/4" drive, hardened, suitable for holder in accordance with DIN 3126-F 6.3/ISO 1173, size: hex 3 x 50 mm	silver	**SF-BIT-HEX 3-50**	1212647	5
Size: hex 4 x 50 mm	silver	**SF-BIT-HEX 4-50**	1212648	5
Stainless steel label, unmarked, 70 x 50 x 1 mm	silver	**EMP-V4A CS DOOR**	0839001	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



Depth of 210 mm, cabinet with door hinge, with flange plates below, with mounting plate

Ex: EAC Ex
Baseefa14ATEX0393U

Technical data

Silicon
Door hinge with quarter turn locking, Mounting plate, Double-bit key, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes, Flange plates

IP66
7
Brushed, 240 grain
-55 ... 135
Door with replaceable hinge, Quarter turn locking with two-way key bit
External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
C1 S6 A 260X260X210	0899085	1
C1 S6 A 300X300X210	0899088	1
C1 S6 A 260X380X210	0899091	1
C1 S6 A 600X400X210	0899094	1
C1 S6 A 382X458X210	0899097	1
C1 S6 A 480X480X210	0899100	1
C1 S6 A 350X500X210	0899103	1
C1 S6 A 600X600X210	0899106	1
C1 S6 A 450X620X210	0899109	1
C1 S6 A 550X740X210	0899112	1
C1 S6 A 508X762X210	0899115	1
C1 S6 A 640X860X210	0899118	1
C1 S6 A 610X914X210	0899121	1
C1 S6 A 740X980X210	0899124	1
C1 S4 A 260X260X210	0899635	1
C1 S4 A 260X380X210	0899641	1
C1 S4 A 300X300X210	0899638	1
C1 S4 A 350X500X210	0899653	1
C1 S4 A 382X458X210	0899647	1
C1 S4 A 450X620X210	0899659	1
C1 S4 A 480X480X210	0899650	1
C1 S4 A 508X762X210	0899665	1
C1 S4 A 550X740X210	0899662	1
C1 S4 A 600X400X210	0899644	1
C1 S4 A 600X600X210	0899656	1
C1 S4 A 610X914X210	0899671	1
C1 S4 A 640X860X210	0899668	1
C1 S4 A 740X980X210	0899674	1

Accessories

TSD-M 6NM	1212226	1
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
EMP-V4A CS DOOR	0839001	10



Depth of 210 mm, cabinet with door hinge, with flange plates below, left and right, with mounting plate

Ex:
Baseefa14ATEX0393U

Technical data

Silicon
Door hinge with quarter turn locking, Mounting plate, Double-bit key, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes

IP66
7
Brushed, 240 grain
-55 ... 135
Door with replaceable hinge, Quarter turn locking with two-way key bit
External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
C3 S6 A 260X260X210	0899086	1
C3 S6 A 300X300X210	0899089	1
C3 S6 A 260X380X210	0899092	1
C3 S6 A 600X400X210	0899095	1
C3 S6 A 382X458X210	0899098	1
C3 S6 A 480X480X210	0899101	1
C3 S6 A 350X500X210	0899104	1
C3 S6 A 600X600X210	0899107	1
C3 S6 A 450X620X210	0899110	1
C3 S6 A 550X740X210	0899113	1
C3 S6 A 508X762X210	0899116	1
C3 S6 A 640X860X210	0899119	1
C3 S6 A 610X914X210	0899122	1
C3 S6 A 740X980X210	0899125	1
C3 S4 A 260X260X210	0899636	1
C3 S4 A 260X380X210	0899642	1
C3 S4 A 300X300X210	0899639	1
C3 S4 A 350X500X210	0899654	1
C3 S4 A 382X458X210	0899648	1
C3 S4 A 450X620X210	0899660	1
C3 S4 A 480X480X210	0899651	1
C3 S4 A 508X762X210	0899666	1
C3 S4 A 550X740X210	0899663	1
C3 S4 A 600X400X210	0899645	1
C3 S4 A 600X600X210	0899657	1
C3 S4 A 610X914X210	0899672	1
C3 S4 A 640X860X210	0899669	1
C3 S4 A 740X980X210	0899675	1

Accessories

TSD-M 6NM	1212226	1
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
EMP-V4A CS DOOR	0839001	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Ex stainless steel empty enclosures

Empty enclosure, depth of 240 mm, 260 mm, and 300 mm

- Defined stops and the special design of the seal support ensure optimum seal compression. They thereby satisfy the high requirements in terms of sealing for the housing
- As of 160 mm depth (C), four housing sides can be assembled with flange plates
- The stainless steel marking label supplied as standard is fitted on the outside away from the seal area in the bore holes provided
- The patented protective seal frame protects the flange plate seal against external influences
- Additional ground bolts are attached to the door and housing for easy door stop replacement
- The housing has a large mounting opening for convenient assembly of the terminal boxes. The flat seal edge protects against injury during installation and when carrying out maintenance and servicing

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see "Equipment marking" section

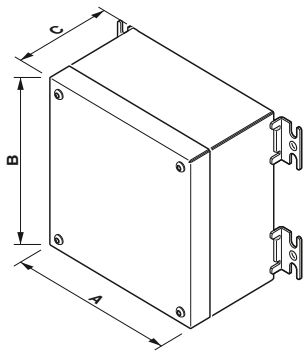
Marking

Baseefa 14 ATEX 0393U
IECEx BAS 14.0179U
Ex II 2 G Ex e IIC Gb
Ex II 2 D Ex tb IIIC Db
-55°C ≤ Ta ≤ +135°C Type IP66

Note: for customer-specific Ex terminal boxes, use the request form on the website, and specify web code:

#0851

Notes:
Detailed installation and assembly instructions for use in Ex areas: see installation instructions and the download area for the item at www.phoenixcontact.net/products.
Torque values for all mounting screws are documented in the installation instructions supplied as standard and in the product area of the website at www.phoenixcontact.net/products.
In the case of sides with a length of ≥ 600 mm, the material thickness increases to 2 mm.





Depth of 240 mm, cabinet with door hinge, without flange plates, with mounting plate

Ex:
Baseefa14ATEX0393U

Technical data

Sealing material		Silicon
Scope of supply		Door hinge with quarter turn locking, Mounting plate, Double-bit key, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes
Degree of protection		IP66
Impact strength	[J]	7
Surface characteristics		Brushed, 240 grain
Temperature resistance	[°C]	-55 ... 135
Type of locking		Door with replaceable hinge, Quarter turn locking with two-way key bit
Housing fixing		External fixing clips
Material thickness	[mm]	2

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Terminal box, stainless steel AISI 316L / 1.4404, with door and twist lock, without flange, including mounting plate	600 x 650 x 240	**C S6 A 600X650X240**	0899126	1
	400 x 650 x 260			
	600 x 600 x 300			
	508 x 762 x 300			
	600 x 800 x 300			
	800 x 800 x 300			
	740 x 980 x 300			
	1000 x 1000 x 300			
Terminal box, stainless steel AISI 316L / 1.4404, with door and twist lock, incl. flange and mounting plate	600 x 600 x 300			
	508 x 762 x 300			
	600 x 800 x 300			
	800 x 800 x 300			
	740 x 980 x 300			
	1000 x 1000 x 300			
Terminal box, stainless steel AISI 304 / 1.4301, with door and twist lock, without flange, incl. mounting plate	600 x 650 x 240	**C S4 A 600X650X240**	0899676	1
	400 x 650 x 260			
	508 x 762 x 300			
	600 x 600 x 300			
	600 x 800 x 300			
	740 x 980 x 300			
	800 x 800 x 300			
	1000 x 1000 x 300			
Terminal box, stainless steel AISI 304 / 1.4301, with door and twist lock, incl. flange and mounting plate	508 x 762 x 300			
	600 x 600 x 300			
	600 x 800 x 300			
	740 x 980 x 300			
	800 x 800 x 300			
	1000 x 1000 x 300			

Accessories

Stainless steel label, unmarked, 70 x 50 x 1 mm	silver	**EMP-V4A CS DOOR**	0839001	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



Depth of 260 mm, cabinet with door hinge, without flange plates, with mounting plate

Ex: EAC Ex
Baseefa14ATEX0393U

Technical data

Silicon
Door hinge with quarter turn locking, Mounting plate, Double-bit key, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes

IP66
7
Brushed, 240 grain
-55 ... 135
Door with replaceable hinge, Quarter turn locking with two-way key bit
External fixing clips
2

Ordering data

Type	Order No.	Pcs./Pkt.
C S6 A 400X650X260	0899127	1
C S4 A 400X650X260	0899677	1

Accessories

EMP-V4A CS DOOR	0839001	10



Depth of 300 mm, cabinet with door hinge, without flange plates, with mounting plate

Ex: EAC Ex
Baseefa14ATEX0393U

Technical data

Silicon
Door hinge with quarter turn locking, Mounting plate, Double-bit key, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes

IP66
7
Brushed, 240 grain
-55 ... 135
Door with replaceable hinge, Quarter turn locking with two-way key bit
External fixing clips
2

Ordering data

Type	Order No.	Pcs./Pkt.
C S6 A 600X600X300	0899128	1
C S6 A 508X762X300	0899130	1
C S6 A 600X800X300	0899132	1
C S6 A 800X800X300	0899134	1
C S6 A 740X980X300	0899136	1
C S6 A 1000X1000X300	0899138	1
C S4 A 508X762X300	0899680	1
C S4 A 600X600X300	0899678	1
C S4 A 600X800X300	0899682	1
C S4 A 740X980X300	0899686	1
C S4 A 800X800X300	0899684	1
C S4 A 1000X1000X300	0899688	1

Accessories

EMP-V4A CS DOOR	0839001	10



Depth of 300 mm, cabinet with door hinge, with flange plates below, with mounting plate

Ex: EAC Ex
Baseefa14ATEX0393U

Technical data

Silicon
Door hinge with quarter turn locking, Mounting plate, Double-bit key, Fixing angle with mounting screws, M12 grounding bolts, affixed externally, Installation notes, Flange plates

IP66
7
Brushed, 240 grain
-55 ... 135
Door with replaceable hinge, Quarter turn locking with two-way key bit
External fixing clips
2

Ordering data

Type	Order No.	Pcs./Pkt.
C1 S6 A 600X600X300	0899129	1
C1 S6 A 508X762X300	0899131	1
C1 S6 A 600X800X300	0899133	1
C1 S6 A 800X800X300	0899135	1
C1 S6 A 740X980X300	0899137	1
C1 S6 A 1000X1000X300	0899139	1
C1 S4 A 508X762X300	0899681	1
C1 S4 A 600X600X300	0899679	1
C1 S4 A 600X800X300	0899683	1
C1 S4 A 740X980X300	0899687	1
C1 S4 A 800X800X300	0899685	1
C1 S4 A 1000X1000X300	0899689	1

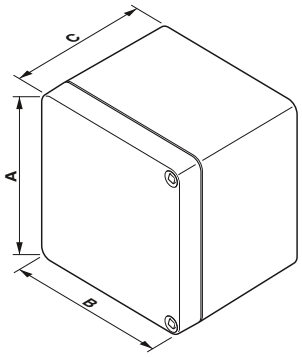
Accessories

EMP-V4A CS DOOR	0839001	10

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@stevenerng.com - www.stevenengineering.com

Empty enclosure with door







Junction box

- Easy door mounting, with spring-mounted hinge pins, means the door can be removed without tools
- Mounting brackets with turning protection can be flexibly adapted to the installation situation
- Comprehensive, optional accessories for customer-specific terminal boxes: grounding bolts, various locking systems in the shape of triangle bit, square bit, double bit, and T-handle can be supplied

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see "Equipment marking" section

Note: for customer-specific Ex terminal boxes, use the request form on the website, and specify web code:

#0851

Technical data

Material		Fiberglass-reinforced polyester with added graphite
Sealing material		Silicon
Scope of supply		Door hinge with 8 mm square lock
Degree of protection		IP66
Impact strength	[J]	7 in accordance with EN 60079-0
Temperature resistance	[°C]	-55 ... 127
Type of locking		Door, Square lock
Housing fixing		External fixing clips
Material thickness	[mm]	

Description	Dimension A x B x C [mm]
Terminal box	200 x 200 x 171
	300 x 200 x 171
	305 x 405 x 202
	405 x 605 x 252

Ordering data

Type	Order No.	Pcs./Pkt.
C PX A 200X200X168	0899331	1
C PX A 200X300X168	0899332	1
C PX A 405X305X202	0899333	1
C PX A 605X405X252	0899334	1

Accessories

Metal control cabinet key, for all common types of closure: 3 - 5 mm two-way key bit, 5, 6, 7 - 8, 9 - 10 mm square, 7, 8 - 9, 10 - 11 mm triangle, 6 mm special	**SF-CCK 9**	1212525	1
Control cabinet key, for all popular control cabinets, closures: 5, 6, 7-8 mm, square, 7-8 mm triangle, 3-5 mm two-way key bit	**USS 4**	1203149	1

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Mounting plate



Fixing bracket

Technical data	
Steel, galvanized	
-	
-	
-	
-	
-, -	
-	
-	

Technical data	
Stainless steel	
-	
-	
-	
-	
-, -	
-	
-	

Ordering data

Type	Order No.	Pcs./Pkt.
AE MP SH CP 200X200	**0899447**	1
AE MP SH CP 200X300	**0899448**	1
AE MP SH CP 300X400	**0899445**	1
AE MP SH CP 400X600	**0899446**	1

Ordering data

Type	Order No.	Pcs./Pkt.
AE EMB CP 2	**0899522**	4
AE EMB CP 2	**0899522**	4
AE EMB CP 1	**0899521**	1
AE EMB CP 1	**0899521**	1

Accessories

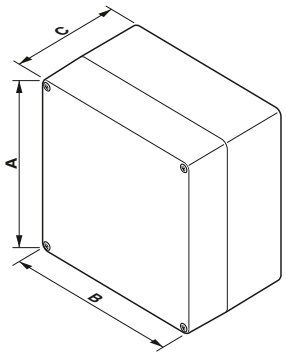
Accessories

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Ex polyester empty enclosures

Empty enclosure with cover







Junction box

- Mounting brackets with turning protection can be flexibly adapted to the installation situation
- Direct wall mounting option, thanks to fixing channels outside the sealing area, protected by the cover
- The mounting screws made from stainless steel are captively integrated into the cover
- Comprehensive, ideal range of accessories for customer-specific terminal boxes: lateral joints, metal bracket (offshore plate) for shielding and grounding, grounding bolts, protective conductor busbars, precise DIN rails

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see “Equipment marking” section

Note: for customer-specific Ex terminal boxes, use the request form on the website, and specify web code:

#0851

Technical data

Material		Fiberglass-reinforced polyester with added graphite
Sealing material		Silicon
Degree of protection		IP66
Impact strength	[J]	7 in accordance with EN 60079-0
Temperature resistance	[°C]	-55 ... 127
Type of locking		Screw-on cover, Plus/minus screw
Housing fixing		External fixing clips available as an option
Material thickness	[mm]	

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Terminal box	75 x 80 x 56	**E PX A 75X80X56**	0899300	1
	75 x 80 x 75	**E PX A 75X80X75**	0899301	1
	75 x 110 x 56	**E PX A 75X110X56**	0899302	1
	75 x 110 x 75	**E PX A 75X110X75**	0899303	1
	75 x 160 x 56	**E PX A 75X160X56**	0899304	1
	75 x 160 x 75	**E PX A 75X160X75**	0899305	1
	75 x 190 x 56	**E PX A 75X190X56**	0899306	1
	75 x 190 x 75	**E PX A 75X190X75**	0899307	1
	75 x 230 x 56	**E PX A 75X230X56**	0899308	1
	75 x 230 x 75	**E PX A 75X230X75**	0899309	1
	120 x 122 x 91	**E PX A 120X122X91**	0899310	1
	120 x 220 x 91	**E PX A 120X220X91**	0899311	1
	160 x 160 x 91	**E PX A 160X160X91**	0899312	1
	160 x 260 x 91	**E PX A 160X260X91**	0899313	1
	160 x 360 x 91	**E PX A 160X360X91**	0899314	1
	160 x 560 x 91	**E PX A 160X560X91**	0899315	1
	250 x 255 x 121	**E PX A 250X255X121**	0899316	1
	250 x 255 x 161	**E PX A 250X255X161**	0899317	1
	250 x 400 x 121	**E PX A 250X400X121**	0899318	1
	250 x 400 x 161	**E PX A 250X400X161**	0899319	1
	250 x 600 x 121	**E PX A 250X600X121**	0899320	1
	360 x 360 x 91	**E PX A 360X360X91**	0899321	1
	405 x 400 x 121	**E PX A 405X400X121**	0899322	1
	405 x 400 x 201	**E PX A 405X400X201**	0899323	1

Accessories

Torque screwdriver, adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Screw bit	silver	**SF-BIT-PHSL 2-70**	1212601	5



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Mounting plate



Fixing bracket

Technical data	
Steel, galvanized	
-	
-	
-	
-	
-, -	
-	
-	

Technical data	
Stainless steel	
-	
-	
-	
-	
-, -	
-	
-	

Ordering data

Type	Order No.	Pcs./Pkt.
AE MP SH EP 75X80	0899429	1
AE MP SH EP 75X80	0899429	1
AE MP SH EP 75X110	0899430	1
AE MP SH EP 75X110	0899430	1
AE MP SH EP 75X160	0899431	1
AE MP SH EP 75X160	0899431	1
AE MP SH EP 75X190	0899432	1
AE MP SH EP 75X190	0899432	1
AE MP SH EP 120X122	0899434	1
AE MP SH EP 120X220	0899435	1
AE MP SH EP 160X160	0899436	1
AE MP SH EP 160X260	0899437	1
AE MP SH EP 160X360	0899438	1
AE MP SH EP 160X560	0899439	1
AE MP SH EP 250X255	0899440	1
AE MP SH EP 250X255	0899440	1
AE MP SH EP 250X400	0899441	1
AE MP SH EP 250X400	0899441	1
AE MP SH EP 250X600	0899442	1
AE MP SH EP 360X360	0899443	1
AE MP SH EP 405X400	0899444	1
AE MP SH EP 405X400	0899444	1

Ordering data

Type	Order No.	Pcs./Pkt.
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
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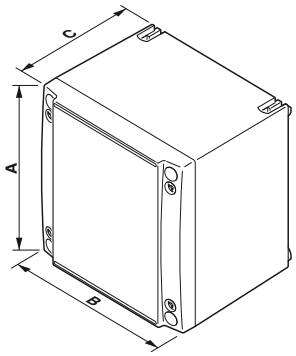
Accessories

Accessories

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Empty enclosure with two wiring levels







Junction box

- Save space, thanks to a second wiring level. The height of the top mounting frame can be individually adjusted
- Direct wall mounting option, thanks to fixing channels outside the sealing area, protected by the cover
- Retaining bands secure the cover when opening
- The mounting screws made from stainless steel are captively integrated into the cover
- Comprehensive, ideal range of accessories for customer-specific terminal boxes: assembly frames, metal bracket (offshore plate) for shielding and grounding, grounding bolts, protective conductor busbars, precise DIN rails, retaining bands

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see “Equipment marking” section

Note: for customer-specific Ex terminal boxes, use the request form on the website, and specify web code:

#0851

Technical data

Material		Fiberglass-reinforced polyester with added graphite
Sealing material		Silicon
Degree of protection		IP66
Impact strength	[J]	7 in accordance with EN 60079-0
Temperature resistance	[°C]	-55 ... 127
Type of locking		Screw-on cover, Plus/minus screw
Housing fixing		Integrated blind hole
Material thickness	[mm]	

Description	Dimension A x B x C [mm]
Terminal box	177 x 177 x 145
	360 x 177 x 145
	360 x 360 x 145

Torque screwdriver, adjustable from 3 - 6 Nm	black
Screw bit	silver

Ordering data

Type	Order No.	Pcs./Pkt.
D PX A 177X177X145	0899324	1
D PX A 360X177X145	0899325	1
D PX A 360X360X145	0899326	1

Accessories

TSD-M 6NM	1212226	1
SF-BIT-PHSL 2-70	1212601	5



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Mounting plate

Technical data

Steel, galvanized

-
-
-
-
-, -
-
-

Ordering data

Type	Order No.	Pcs./Pkt.
AE MP SH DP 177X177	0899453	1
AE MP SH DP 360X177	0899454	1
AE MP SH DP 360X360	0899455	1

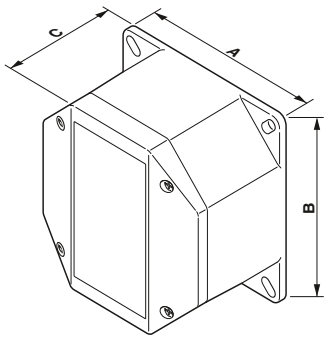
Accessories

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Ex polyester empty enclosures

Octagonal empty enclosure







Junction box

- Integrated mounting bracket outside the sealing area, protected by the cover
- The mounting screws made from stainless steel are captively integrated into the cover
- Comprehensive, ideal range of accessories for customer-specific terminal boxes: metal bracket (offshore plate) for shielding and grounding, grounding bolts, precise DIN rails

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see “Equipment marking” section

Note: for customer-specific Ex terminal boxes, use the request form on the website, and specify web code:

#0851

Technical data

Material		Fiberglass-reinforced polyester with added graphite
Sealing material		Silicon
Degree of protection		IP66
Impact strength	[J]	7 in accordance with EN 60079-0
Temperature resistance	[°C]	-55 ... 127
Type of locking		Screw-on cover, Plus/minus screw
Housing fixing		Integrated external fixing clip

Description	Dimension A x B x C [mm]
Terminal box	81 x 81 x 75
	121 x 121 x 75
	161 x 161 x 93
	200 x 200 x 125

Torque screwdriver, adjustable from 3 - 6 Nm	black
Screw bit	silver

Ordering data

Type	Order No.	Pcs./Pkt.
O PX A 81X81X75	0899327	1
O PX A 121X121X75	0899328	1
O PX A 161X161X93	0899329	1
O PX A 200X200X125	0899330	1

Accessories

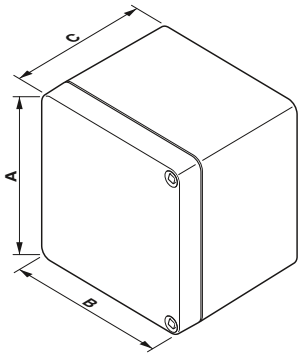
TSD-M 6NM	1212226	1
SF-BIT-PHSL 2-70	1212601	5

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Empty enclosure with cover







Junction box

- Direct wall mounting option, thanks to fixing channels outside the sealing area, protected by the cover
- Mounting brackets with turning protection can be flexibly adapted to the installation situation
- The mounting screws made from stainless steel are captively integrated into the cover
- Comprehensive, optional range of accessories for customer-specific terminal boxes: lateral joints, grounding bolts, protective conductor busbars, precise DIN rails

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see "Equipment marking" section

Note: for customer-specific Ex terminal boxes, use the request form on the website, and specify web code:

#0851

Technical data

Material		Polyester fiberglass reinforced
Sealing material		Chloroprene
Degree of protection		IP66
Impact strength	[J]	7 in accordance with EN 60079-0
Temperature resistance	[°C]	-40 ... 100
Type of locking		Screw-on cover, Plus/minus screw
Housing fixing		Integrated blind hole
Material thickness	[mm]	

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Terminal box	55 x 55 x 37	**E PE A 55X55X37**	0899335	1
	55 x 55 x 59	**E PE A 55X55X59**	0899336	1
	75 x 80 x 56	**E PE A 75X80X56**	0899337	1
	75 x 80 x 75	**E PE A 75X80X75**	0899338	1
	75 x 110 x 56	**E PE A 75X110X56**	0899339	1
	75 x 110 x 75	**E PE A 75X110X75**	0899340	1
	75 x 160 x 56	**E PE A 75X160X56**	0899341	1
	75 x 160 x 75	**E PE A 75X160X75**	0899342	1
	75 x 190 x 56	**E PE A 75X190X56**	0899343	1
	75 x 190 x 75	**E PE A 75X190X75**	0899344	1
	75 x 230 x 59	**E PE A 75X230X56**	0899345	1
	75 x 230 x 75	**E PE A 75X230X75**	0899346	1
	100 x 320 x 81	**E PE A 100X320X81**	0899347	1
	120 x 122 x 91	**E PE A 120X122X91**	0899348	1
	120 x 220 x 91	**E PE A 120X220X91**	0899349	1
	160 x 160 x 91	**E PE A 160X160X91**	0899350	1
	160 x 260 x 91	**E PE A 160X260X91**	0899351	1
	160 x 360 x 91	**E PE A 160X360X91**	0899352	1
	160 x 560 x 91	**E PE A 160X560X91**	0899353	1
	250 x 255 x 121	**E PE A 250X255X121**	0899354	1
	250 x 255 x 161	**E PE A 250X255X161**	0899355	1
	250 x 400 x 121	**E PE A 250X400X121**	0899356	1
	250 x 400 x 161	**E PE A 250X400X161**	0899357	1
	250 x 600 x 121	**E PE A 250X600X121**	0899358	1
	360 x 360 x 91	**E PE A 360X360X91**	0899359	1
	405 x 400 x 121	**E PE A 405X400X121**	0899360	1
	405 x 400 x 201	**E PE A 405X400X201**	0899361	1

Accessories

Torque screwdriver, adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Screw bit	silver	**SF-BIT-PHSL 2-70**	1212601	5



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Mounting plate



Fixing bracket

Technical data	
Steel, galvanized	
-	
-	
-	
-	
-, -	
-	
-	

Technical data	
Stainless steel	
-	
-	
-	
-	
-, -	
-	
-	

Ordering data

Type	Order No.	Pcs./Pkt.
AE MP SH EP 75X80	0899429	1
AE MP SH EP 75X80	0899429	1
AE MP SH EP 75X110	0899430	1
AE MP SH EP 75X110	0899430	1
AE MP SH EP 75X160	0899431	1
AE MP SH EP 75X160	0899431	1
AE MP SH EP 75X190	0899432	1
AE MP SH EP 75X190	0899432	1
AE MP SH EP 100X320	0899433	1
AE MP SH EP 120X122	0899434	1
AE MP SH EP 120X220	0899435	1
AE MP SH EP 160X160	0899436	1
AE MP SH EP 160X260	0899437	1
AE MP SH EP 160X360	0899438	1
AE MP SH EP 160X560	0899439	1
AE MP SH EP 250X255	0899440	1
AE MP SH EP 250X255	0899440	1
AE MP SH EP 250X400	0899441	1
AE MP SH EP 250X400	0899441	1
AE MP SH EP 250X600	0899442	1
AE MP SH EP 360X360	0899443	1
AE MP SH EP 405X400	0899444	1
AE MP SH EP 405X400	0899444	1

Accessories

Ordering data

Type	Order No.	Pcs./Pkt.
AE EMB CP 1	0899521	1
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AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1

Accessories

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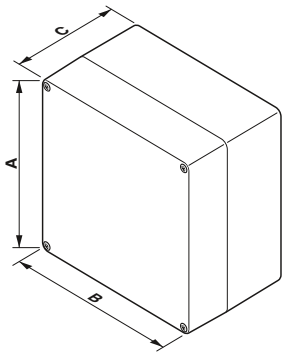
ABS terminal boxes

Assembled terminal boxes

- Terminal box with cover and pre-assembled terminal strip with Push-in connection technology (2.5 mm² cross section)
- Available pre-assembled with 6, 12 or 20 terminal blocks
- Available with 2, 3 or 4 M20 plastic cable glands depending on the version
- Fast wiring without the need for additional components

Connection data for the terminal blocks

Nominal current I_N: 24 A (at 2.5 mm²)
Nominal voltage U_N: 800 V
Maximum load current: 30 A
(with a 4 mm² conductor cross section)
Min. conductor cross section, rigid: 0.14 mm²
Max. conductor cross section, rigid: 4 mm²





Terminal box with 6 2.5 mm² terminal blocks with Push-in connection technology

Technical data

Material		ABS
Sealing material		Silicon
Degree of protection		IP67
Impact strength	[J]	2 in accordance with EN 62262/EN 50102
Temperature resistance	[°C]	-25 ... 60
Type of locking		Screw-on cover, Phillips-Recess
Housing fixing		Screw connection in housing base

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Terminal box with 6 2.5 mm² terminal blocks and 2 x M20 cable glands (1 below/1 above)	85 x 83 x 60	**E AB A 85X83X60 6MPT**	3001998	1
Terminal box with 12 2.5 mm² terminal blocks and 3 x M20 cable glands (1 below/2 above)	130 x 80 x 60			
Terminal box with 20 2.5 mm² terminal blocks and 4 x M20 cable glands (1 below/3 above)	180 x 130 x 100			

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Terminal box with 12 2.5 mm² terminal blocks with Push-in connection technology



Terminal box with 20 2.5 mm² terminal blocks with Push-in connection technology

Technical data

ABS
Silicon
IP67
2 in accordance with EN 62262/EN 50102
-25 ... 60
Screw-on cover, Phillips-Recess
Screw connection in housing base

Ordering data

Type	Order No.	Pcs./Pkt.
E AB A 130X80X60 12MPT	3001999	1

Technical data

ABS
Silicon
IP67
2 in accordance with EN 62262/EN 50102
-25 ... 60
Screw-on cover, Phillips-Recess
Screw connection in housing base

Ordering data

Type	Order No.	Pcs./Pkt.
E AB A 180X130X100 20PT	3002001	1

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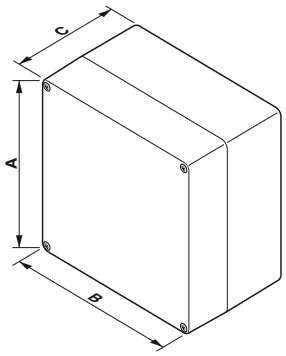
ABS terminal boxes

Assembled terminal boxes

Terminal box with cover, pre-assembled terminal strip, and screw connection technology (2.5 mm² cross section)
– Available pre-assembled with 6, 12 or 20 terminal blocks
– Available with 2, 3 or 4 M20 plastic cable glands depending on the version
– Fast wiring without the need for additional components

Connection data for the terminal blocks

Nominal current I_N: 24 A
Nominal voltage U_N: 800 V
Maximum load current: 24 A
Min. conductor cross section, rigid: 0.5 mm²
Max. conductor cross section, rigid: 4 mm²





Terminal box with 6 2.5 mm² terminal blocks and screw connection technology

Technical data		
Material		ABS
Sealing material		Silicon
Degree of protection		IP67
Impact strength	[J]	2 according to EN 62262/EN 50102
Temperature resistance	[°C]	-25 ... 60
Type of locking		Screw-on cover, Phillips-Recess
Housing fixing		Screw connection in housing base

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Terminal box with 6 2.5 mm² terminal blocks and 2 x M20 cable glands (1 below/1 above)	85 x 83 x 60	**E AB A 85X83X60 6TB**	3002002	1
Terminal box with 12 2.5 mm² terminal blocks and 3 x M20 cable glands (1 below/2 above)	130 x 80 x 60			
Terminal box with 20 2.5 mm² terminal blocks and 4 x M20 cable glands (1 below/3 above)	180 x 130 x 100			

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Terminal box with 12 2.5 mm² terminal blocks and screw connection technology



Terminal box with 20 2.5 mm² terminal blocks and screw connection technology

Technical data

ABS
Silicon
IP67
2 according to EN 62262/EN 50102
-25 ... 60
Screw-on cover, Phillips-Recess
Screw connection in housing base

Ordering data

Type	Order No.	Pcs./Pkt.
E AB A 130X80X60 12TB	3002003	1

Technical data

ABS
Silicon
IP67
2 according to EN 62262/EN 50102
-25 ... 60
Screw-on cover, Phillips-Recess
Screw connection in housing base

Ordering data

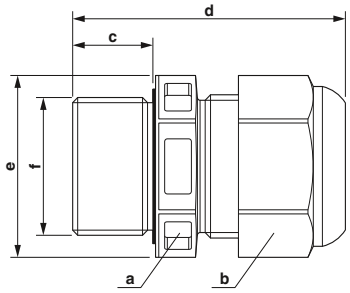
Type	Order No.	Pcs./Pkt.
E AB A 180X130X100 20TB	3002004	1

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Plastic cable glands, metric, Ex protection

– Halogen-free
– Vibration-proof plastic cable gland with protection against over-tightening of the cap nut
– Glow-wire test: 750°C
– Degree of protection: IP66/IP68, 5 bar (30 minutes)

Marking:
– II 2 G Ex e IIC Gb
– II 2 D Ex IIIC Db IP68



Notes:
For counter nuts, see page 656.



Plastic cable gland

Ex: EAC Ex
PTB 13 ATEX 1015 X / IECEx PTB 13.0034X

Technical data

General data	
Cable gland material	PA
Seal material	EPDM (Cable seal, halogen-free)
Cable seal material	-
Ambient temperature (operation)	-40°C ... 75°C (static (see prototype test report +15°C ... +65°C at impact energy of 4J))

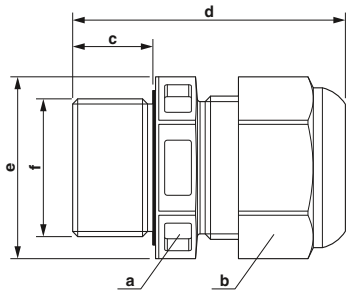
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M12 x 1.5	black	3.00 - 6.00	16.00	16.00	15.00	34.00	18.00	M12	G-ESIS-M12-S68L-PEPDS-BK	1415106	10
M16 x 1.5	black	4.50 - 9.00	20.00	20.00	15.00	37.00	23.00	M16	G-ESIS-M16-S68L-PEPDS-BK	1415107	10
M20 x 1.5	black	7.00 - 13.00	24.00	24.00	15.00	41.00	28.00	M20	G-ESIS-M20-S68L-PEPDS-BK	1415108	10
M25 x 1.5	black	10.00 - 17.00	29.00	29.00	15.00	43.00	33.00	M25	G-ESIS-M25-M68L-PEPDS-BK	1415109	10
M32 x 1.5	black	13.00 - 21.00	36.00	36.00	15.00	51.00	41.00	M32	G-ESIS-M32-M68L-PEPDS-BK	1415110	5
M40 x 1.5	black	17.00 - 28.00	46.00	46.00	18.00	58.00	51.00	M40	G-ESIS-M40-M68L-PEPDS-BK	1415111	5

Plastic cable glands, metric, Ex protection

– Halogen-free
– Vibration-proof plastic cable gland with protection against over-tightening of the cap nut
– Glow-wire test: 750°C
– Degree of protection: IP66/IP68, 5 bar (30 minutes)

Marking:
– II 2 G Ex e IIC Gb
– II 2 D Ex IIIC Db IP68



Notes:
For counter nuts, see page 656.



Plastic cable gland

Ex: EAC Ex
PTB 13 ATEX 1015 X / IECEx PTB 13.0034X

Technical data

General data	
Cable gland material	PA
Seal material	EPDM (Cable seal, halogen-free)
Cable seal material	-
Ambient temperature (operation)	-40°C ... 75°C (static (see prototype test report +15°C ... +65°C at impact energy of 4J))

Ordering data

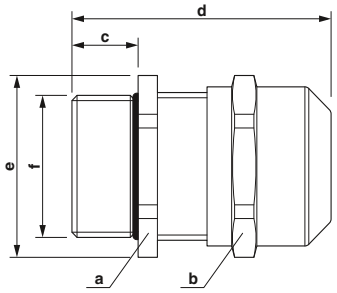
Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M12 x 1.5	black/blue	3.00 - 6.00	16.00	16.00	15.00	35.00	18.00	M12	G-ESIS-M12-S68L-PEPDS-BL	1415114	10
M16 x 1.5	black/blue	4.50 - 9.00	20.00	20.00	15.00	37.00	23.00	M16	G-ESIS-M16-S68L-PEPDS-BL	1415116	10
M20 x 1.5	black/blue	7.00 - 13.00	24.00	24.00	15.00	41.00	28.00	M20	G-ESIS-M20-S68L-PEPDS-BL	1415117	10
M25 x 1.5	black/blue	10.00 - 17.00	29.00	29.00	15.00	43.00	33.00	M25	G-ESIS-M25-M68L-PEPDS-BL	1415118	10
M32 x 1.5	black/blue	13.00 - 21.00	36.00	36.00	15.00	45.00	41.00	M32	G-ESIS-M32-M68L-PEPDS-BL	1415119	5
M40 x 1.5	black/blue	17.00 - 28.00	46.00	46.00	18.00	58.00	51.00	M40	G-ESIS-M40-M68L-PEPDS-BL	1415120	5
M50 x 1.5	black/blue	23.00 - 35.00	55.00	55.00	18.00	63.00	61.00	M50	G-ESIS-M50-L68L-PEPDS-BL	1415121	1
M63 x 1.5	black/blue	34.00 - 48.00	68.00	68.00	18.00	67.00	75.00	M63	G-ESIS-M63-L68L-PEPDS-BL	1415122	1

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Brass cable glands, metric, Ex protection

– Halogen-free
– Polyamide compression ring
– Degree of protection: IP66/IP68, 5 bar (30 minutes)

Marking:
– II 2 G Ex e IIC Gb
– II 2 D Ex IIIC Db IP68



Notes:
For counter nuts, see page 656.



Brass cable gland

Ex: EAC Ex

PTB 04 ATEX 1112 X / IECEx PTB 13.0027X

Technical data

General data	
Cable gland material	Nickel-plated brass
Seal material	EPDM (O-ring)
Cable seal material	EPDM
Material, insert	PA
Ambient temperature (operation)	-40°C ... 75°C (static)

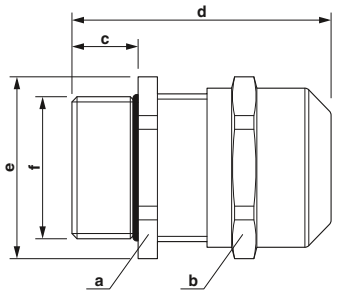
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M12 x 1.5	silver	4.00 - 7.00	-	16.00	12.00	30.00	18.00	M12	G-ESIS-M12-S68N-NEPDS-S	1415123	10
M16 x 1.5	silver	5.00 - 10.00	-	20.00	12.00	33.00	22.00	M16	G-ESIS-M16-S68N-NEPDS-S	1415124	10
M20 x 1.5	silver	6.00 - 13.00	-	24.00	12.00	43.00	27.00	M20	G-ESIS-M20-S68N-NEPDS-S	1415125	10
M25 x 1.5	silver	10.00 - 17.00	-	29.00	12.00	38.00	32.00	M25	G-ESIS-M25-M68N-NEPDS-S	1415126	10
M32 x 1.5	silver	13.00 - 21.00	-	36.00	15.00	43.00	40.00	M32	G-ESIS-M32-M68L-NEPDS-S	1415127	5
M40 x 1.5	silver	16.00 - 28.00	-	46.00	15.00	51.00	51.00	M40	G-ESIS-M40-M68L-NEPDS-S	1415129	5
M50 x 1.5	silver	21.00 - 35.00	-	55.00	15.00	57.00	61.00	M50	G-ESIS-M50-L68L-NEPDS-S	1415146	1
M63 x 1.5	silver	34.00 - 48.00	-	68.00	15.00	61.00	75.00	M63	G-ESIS-M63-L68L-NEPDS-S	1415147	1

Brass EMC cable glands, metric, Ex protection

– Halogen-free
– Polyamide compression ring
– Permanent braided shield contact by means of grounding cones in the EMC screw connection
– Degree of protection: IP66/IP68, 5 bar (30 minutes)

Marking:
– II 2 G Ex e IIC Gb
– II 2 D Ex IIIC Db IP68



Notes:
For ribbed counter nut, see page 657.



Brass EMC cable gland

Ex: EAC Ex

PTB 04 ATEX 1112 X / IECEx PTB 13.0027X

Technical data

General data	
Cable gland material	Nickel-plated brass
Seal material	EPDM (O-ring)
Cable seal material	EPDM
Material, insert	PA
Ambient temperature (operation)	-40°C ... 75°C (static)

Ordering data

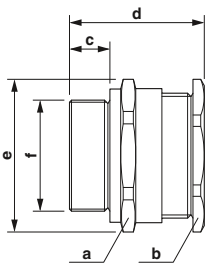
Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M12 x 1.5	silver	4.00 - 7.00	16.00	16.00	12.00	30.00	18.00	M12	G-ESISEC-M12-S68N-NEPDS-S	1415148	10
M16 x 1.5	silver	5.00 - 10.00	20.00	20.00	12.00	33.00	22.00	M16	G-ESISEC-M16-S68N-NEPDS-S	1415149	10
M20 x 1.5	silver	6.00 - 13.00	24.00	24.00	12.00	43.00	27.00	M20	G-ESISEC-M20-S68N-NEPDS-S	1415163	10
M25 x 1.5	silver	10.00 - 17.00	29.00	29.00	12.00	38.00	32.00	M25	G-ESISEC-M25-M68N-NEPDS-S	1415165	10
M32 x 1.5	silver	13.00 - 21.00	36.00	36.00	15.00	43.00	40.00	M32	G-ESISEC-M32-M68L-NEPDS-S	1415166	5
M40 x 1.5	silver	16.00 - 28.00	46.00	46.00	15.00	51.00	51.00	M40	G-ESISEC-M40-M68L-NEPDS-S	1415168	5
M50 x 1.5	silver	21.00 - 35.00	55.00	55.00	15.00	57.00	61.00	M50	G-ESISEC-M50-L68L-NEPDS-S	1415169	1
M63 x 1.5	silver	34.00 - 48.00	68.00	68.00	15.00	61.00	75.00	M63	G-ESISEC-M63-L68L-NEPDS-S	1415170	1

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Brass cable glands, metric, Ex protection

The cable glands for unarmored and braided cables provide flameproof (type “d”), increased safety (type “e”), and restricted breathing (type “nR”) protection.

– Degree of protection: IP66/IP67/IP68





Brass cable gland

Notes:

For counter nuts, see page 656.

Ex: EAC Ex

Sira 13ATEX1068X / IECEx SIR 13.0023X

Technical data

General data	
Cable gland material	Nickel-plated brass
Seal material	-
Cable seal material	EPDM
Ambient temperature (operation)	-60°C ... 130°C (static)

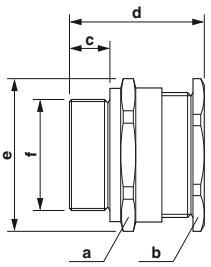
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20 x 1.5	silver	6.50 - 14.00	27.00	27.00	15.00	39.00	29.70	M20	G-ESS-M20-S66L-NTES-S	1411075	20
M25 x 1.5	silver	11.10 - 20.00	36.00	36.00	15.00	41.00	39.60	M25	G-ESS-M25-M66L-NTES-S	1411077	20
M32 x 1.5	silver	17.00 - 26.30	41.00	41.00	15.00	42.00	45.10	M32	G-ESS-M32-M66L-NTES-S	1411079	10
M40 x 1.5	silver	23.50 - 32.20	50.00	50.00	15.00	43.00	55.00	M40	G-ESS-M40-L66L-NTES-S	1411081	2
M50 x 1.5	silver	35.60 - 44.10	60.00	60.00	15.00	45.00	66.00	M50	G-ESS-M50-L66L-NTES-S	1411084	2
M63 x 1.5	silver	47.20 - 56.00	75.00	75.00	15.00	45.00	82.50	M63	G-ESS-M63-L66L-NTES-S	1411086	2

Stainless steel cable glands, metric, Ex protection

The cable glands for unarmored and braided cables provide flameproof (type “d”), increased safety (type “e”), and restricted breathing (type “nR”) protection.

– Degree of protection: IP66/IP67/IP68





Stainless steel cable gland

Notes:

For counter nuts, see page 657.

Ex: EAC Ex

Sira 13ATEX1068X / IECEx SIR 13.0023X

Technical data

General data	
Cable gland material	Stainless steel 316L
Seal material	-
Cable seal material	EPDM
Ambient temperature (operation)	-60°C ... 130°C (static)

Ordering data

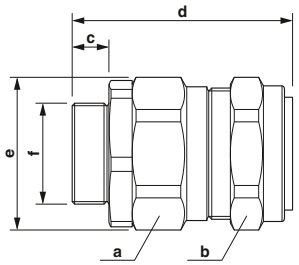
Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20 x 1.5	silver	6.50 - 14.00	27.00	27.00	15.00	39.00	29.70	M20	G-ESS-M20-S66L-STES-S	1411076	20
M25 x 1.5	silver	11.10 - 20.00	36.00	36.00	15.00	41.00	39.60	M25	G-ESS-M25-M66L-STES-S	1411078	20
M32 x 1.5	silver	17.00 - 26.30	41.00	41.00	15.00	42.00	45.10	M32	G-ESS-M32-M66L-STES-S	1411080	10
M40 x 1.5	silver	23.50 - 32.20	50.00	50.00	15.00	43.00	55.00	M40	G-ESS-M40-L66L-STES-S	1411082	2
M50 x 1.5	silver	35.60 - 44.10	60.00	60.00	15.00	45.00	66.00	M50	G-ESS-M50-L66L-STES-S	1411085	2
M63 x 1.5	silver	47.20 - 56.00	75.00	75.00	15.00	45.00	82.50	M63	G-ESS-M63-L66L-STES-S	1411087	2

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Brass cable glands, metric, Ex protection

The cable glands for armored cables provide increased safety (type “e”) protection.

– Degree of protection: IP66/IP67/IP68



Notes:

For counter nuts, see page 656.



Brass cable gland

Ex: EAC Ex

Sira 13ATEX1070X / IECEx SIR 13.0025X

Technical data

General data	
Cable gland material	Nickel-plated brass
Seal material	-
O-ring material	-
Cable seal material	EPDM
Ambient temperature (operation)	-60°C ... 130°C (static)

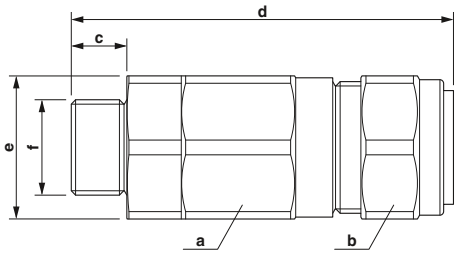
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20 x 1.5	silver	9.50 - 15.90	24.00	24.00	15.00	73.00	26.40	M20	G-ESSWU-M20S-S66L-NTES-S	1411088	10
M20 x 1.5	silver	12.50 - 20.90	30.50	30.50	15.00	75.00	33.60	M20	G-ESSWU-M20-M66L-NTES-S	1411090	10
M25 x 1.5	silver	18.20 - 26.20	37.50	37.50	15.00	82.00	41.30	M25	G-ESSWU-M25-M66L-NTES-S	1411092	10
M32 x 1.5	silver	23.70 - 33.90	46.00	46.00	15.00	84.00	50.60	M32	G-ESSWU-M32-L66L-NTES-S	1411094	5
M40 x 1.5	silver	27.90 - 40.40	55.00	55.00	15.00	93.00	60.50	M40	G-ESSWU-M40-L66L-NTES-S	1411097	1
M50 x 1.5	silver	40.40 - 53.10	70.00	70.00	15.00	95.00	77.00	M50	G-ESSWU-M50-L66L-NTES-S	1411100	5
M63 x 1.5	silver	54.60 - 65.90	80.00	80.00	15.00	107.00	88.00	M63	G-ESSWU-M63-L66L-NTES-S	1411102	1

Stainless steel cable glands, metric, Ex protection

The cable glands for armored cables provide flameproof (type “d”), increased safety (type “e”), and restricted breathing (type “nR”) protection.

– Degree of protection: IP66/IP67/IP68



Notes:

For counter nuts, see page 657.



Stainless steel cable gland

Ex: EAC Ex

Sira 13ATEX1073X / IECEx SIR 13.0028X

Technical data

General data	
Cable gland material	Stainless steel 316L
Seal material	EPDM
O-ring material	-
Cable seal material	EPDM
Ambient temperature (operation)	-60°C ... 130°C (static)

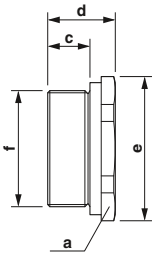
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20 x 1.5	silver	9.50 - 15.90	24.00	24.00	15.00	73.00	26.40	M20	G-EDSWU-M20S-S66L-STES-S	1411089	10
M20 x 1.5	silver	12.50 - 20.90	30.50	30.50	15.00	75.00	33.60	M20	G-EDSWU-M20-M66L-STES-S	1411091	10
M25 x 1.5	silver	18.20 - 26.20	37.50	37.50	15.00	82.00	41.30	M25	G-EDSWU-M25-M66L-STES-S	1411093	10
M32 x 1.5	silver	23.70 - 33.90	46.00	46.00	15.00	84.00	50.60	M32	G-EDSWU-M32-L66L-STES-S	1411095	5
M40 x 1.5	silver	27.90 - 40.40	55.00	55.00	15.00	101.00	60.50	M40	G-EDSWU-M40-L66L-STES-S	1411099	1
M50 x 1.5	silver	40.40 - 53.10	70.00	70.00	15.00	95.00	77.00	M50	G-EDSWU-M50-L66L-STES-S	1411101	1
M63 x 1.5	silver	54.60 - 65.90	80.00	80.00	15.00	107.00	88.00	M63	G-EDSWU-M63-L66L-STES-S	1411103	1

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Brass screw plugs, metric, Ex protection

The screw plugs offer IP66 and IP68 protection, if they are installed with an entry thread. These seal unused cable entries in systems with flameproof enclosures (type d) and increased safety (type e).





Brass screw plug

Notes:

For counter nuts, see page 656.

Ex:

Technical data

General data

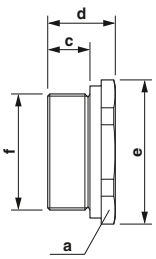
Material	Brass, nickel-plated
Ambient temperature (operation)	-60°C ... 130°C

Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20 x 1.5	silver	-	24.00	-	15.30	20.30	26.40	M20	A-EXSH-M20-68L-N-S	1411104	20
M25 x 1.5	silver	-	30.00	-	15.00	24.00	33.00	M25	A-EXSH-M25-68L-N-S	1411107	20
M32 x 1.5	silver	-	36.00	-	15.00	24.00	39.60	M32	A-EXSH-M32-68L-N-S	1411109	10
M40 x 1.5	silver	-	46.00	-	15.00	24.00	50.60	M40	A-EXSH-M40-68L-N-S	1411111	5
M50 x 1.5	silver	-	55.00	-	15.00	24.00	60.50	M50	A-EXSH-M50-68L-N-S	1411113	2
M63 x 1.5	silver	-	65.00	-	15.00	24.00	77.00	M63	A-EXSH-M63-68L-N-S	1411115	1

Stainless steel screw plugs, metric, Ex protection

The screw plugs offer IP66 and IP68 protection, if they are installed with an entry thread. These seal unused cable entries in systems with flameproof enclosures (type d) and increased safety (type e).





Stainless steel screw plug

Notes:

For counter nuts, see page 657.

Ex:

Technical data

General data

Material	Stainless steel 316L
Ambient temperature (operation)	-60°C ... 130°C

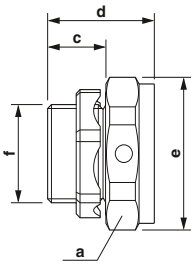
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20 x 1.5	silver	-	24.00	-	15.00	24.00	26.40	M20	A-EXSH-M20-68L-S-S	1411105	20
M25 x 1.5	silver	-	30.00	-	15.00	24.00	33.00	M25	A-EXSH-M25-68L-S-S	1411108	20
M32 x 1.5	silver	-	36.00	-	15.00	24.00	39.60	M32	A-EXSH-M32-68L-S-S	1411110	10
M40 x 1.5	silver	-	46.00	-	15.00	24.00	50.60	M40	A-EXSH-M40-68L-S-S	1411112	5
M50 x 1.5	silver	-	55.00	-	15.00	24.00	60.50	M50	A-EXSH-M50-68L-S-S	1411114	2
M63 x 1.5	silver	-	65.00	-	15.00	24.00	77.00	M63	A-EXSH-M63-68L-S-S	1411116	1

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Brass pressure compensation, metric, Ex protection

Breather/drain plugs for increased safety (type "e") provide superior ventilation for devices. They are designed to act as a pressure compensation element preventing moisture build-up to IP66.





Brass pressure compensation

Notes:

For counter nuts, see page 656.

Ex: EAC Ex
Sira 10ATEX1307U / IECEx SIR 10.0149U

Technical data

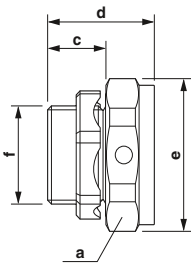
General data	
Material	Brass, nickel-plated
O-ring material	Silicon
Ambient temperature (operation)	-60°C ... 130°C

Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20 x 1.5	silver	-	30.00	-	15.00	32.00	33.00	M20	**A-EXB-20-66L-N-S**	1411117	5
M25 x 1.5	silver	-	31.50	-	15.00	32.00	39.60	M25	**A-EXB-25-66L-N-S**	1411120	5

Stainless steel pressure compensation, metric, Ex protection

Breather/drain plugs for increased safety (type "e") provide superior ventilation for devices. They are designed to act as a pressure compensation element preventing moisture build-up to IP66.





Stainless steel pressure compensation

Notes:

For counter nuts, see page 657.

Ex: EAC Ex
Sira 10ATEX1307U / IECEx SIR 10.0149U

Technical data

General data	
Material	Stainless steel 1.4404
O-ring material	Silicon
Ambient temperature (operation)	-60°C ... 130°C

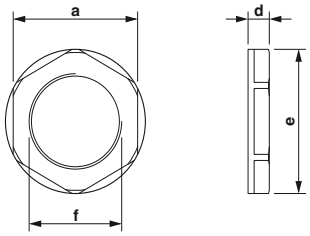
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20 x 1.5	silver	-	30.00	-	15.00	32.00	26.40	M20	**A-EXB-20-66L-S-S**	1411118	5
M25 x 1.5	silver	-	31.50	-	15.00	32.00	33.00	M25	**A-EXB-25-66L-S-S**	1411121	5

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Plastic counter nuts, metric, EN 60423

– Color: jet black (RAL 9005)





Technical data

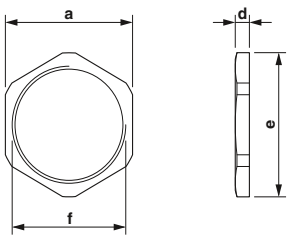
General data

Material	PA
Ambient temperature (operation)	-20°C ... 100°C

Ordering data

Thread type	Color	Clamping area	Dimensions [mm]					Thread	Type	Order No.	Pcs./Pkt.
		[mm]	a	b	c	d	e	f			
M12 x 1.5	jet black RAL 9005	-	18.00	-	-	5.00	19.50	M12	**A-INL-M12-P-BK**	1411213	10
M16 x 1.5	jet black RAL 9005	-	22.00	-	-	5.00	24.20	M16	**A-INL-M16-P-BK**	1411214	10
M20 x 1.5	jet black RAL 9005	-	26.00	-	-	6.00	28.60	M20	**A-INL-M20-P-BK**	1411215	5
M25 x 1.5	jet black RAL 9005	-	32.00	-	-	6.00	35.00	M25	**A-INL-M25-P-BK**	1411216	5
M32 x 1.5	jet black RAL 9005	-	41.00	-	-	7.00	46.10	M32	**A-INL-M32-P-BK**	1411217	5
M40 x 1.5	jet black RAL 9005	-	50.00	-	-	7.00	55.30	M40	**A-INL-M40-P-BK**	1411218	5
M50 x 1.5	jet black RAL 9005	-	60.00	-	-	8.00	66.10	M50	**A-INL-M50-P-BK**	1411219	5
M63 x 1.5	jet black RAL 9005	-	75.00	-	-	8.00	82.50	M63	**A-INL-M63-P-BK**	1411220	5

Brass counter nuts, metric, EN 60423





Brass counter nut

Technical data

General data

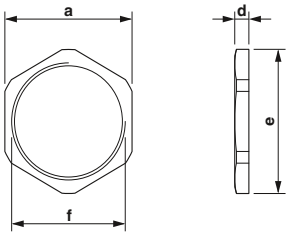
Material	Brass, nickel-plated
Ambient temperature (operation)	-70°C ... 220°C

Ordering data

Thread type	Color	Clamping area	Dimensions [mm]					Thread	Type	Order No.	Pcs./Pkt.
		[mm]	a	b	c	d	e	f			
M12 x 1.5	silver	-	15.00	-	-	2.80	16.50	M12	**A-INL-M12-N-S**	1411240	100
M16 x 1.5	silver	-	19.00	-	-	2.80	21.00	M16	**A-INL-M16-N-S**	1411241	100
M20 x 1.5	silver	-	24.00	-	-	3.00	27.00	M20	**A-INL-M20-N-S**	1411242	100
M25 x 1.5	silver	-	30.00	-	-	3.50	33.50	M25	**A-INL-M25-N-S**	1411243	100
M32 x 1.5	silver	-	36.00	-	-	4.00	40.00	M32	**A-INL-M32-N-S**	1411244	100
M40 x 1.5	silver	-	46.00	-	-	5.00	50.00	M40	**A-INL-M40-N-S**	1411246	50
M50 x 1.5	silver	-	57.00	-	-	5.00	65.00	M50	**A-INL-M50-N-S**	1411247	25
M63 x 1.5	silver	-	70.00	-	-	6.00	75.00	M63	**A-INL-M63-N-S**	1411248	25

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Stainless steel counter nuts, metric, EN 60423





Stainless steel counter nut

Technical data

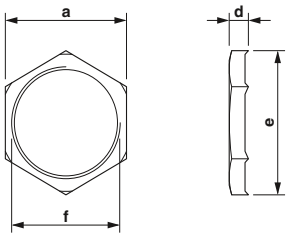
General data	
Material	Stainless steel 1.4305
Ambient temperature (operation)	-70°C ... 220°C

Ordering data

Thread type	Color	Clamping area	Dimensions [mm]					Thread	Type	Order No.	Pcs./Pkt.
		[mm]	a	b	c	d	e	f			
M20 x 1.5	silver	-	24.00	-	-	3.00	27.00	M20	A-INL-M20-S-S	1411249	10
M25 x 1.5	silver	-	30.00	-	-	3.50	33.50	M25	A-INL-M25-S-S	1411250	10
M32 x 1.5	silver	-	36.00	-	-	4.00	40.00	M32	A-INL-M32-S-S	1411251	5
M40 x 1.5	silver	-	46.00	-	-	5.00	50.00	M40	A-INL-M40-S-S	1411252	5
M50 x 1.5	silver	-	55.00	-	-	5.00	65.00	M50	A-INL-M50-S-S	1411253	2
M63 x 1.5	silver	-	70.00	-	-	6.00	75.00	M63	A-INL-M63-S-S	1411254	1

Brass counter nuts, metric, EN 60423, ribbed

– Version: ribbed





Brass counter nut

Technical data

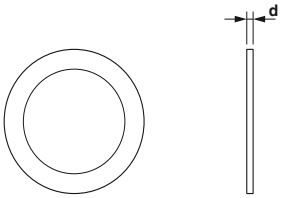
General data	
Material	Brass, nickel-plated
Ambient temperature (operation)	-70°C ... 220°C

Ordering data

Thread type	Color	Clamping area	Dimensions [mm]					Thread	Type	Order No.	Pcs./Pkt.
		[mm]	a	b	c	d	e	f			
M12 x 1.5	silver	-	15.00	-	-	4.70	16.50	M12	A-INLE-M12-N-S	1411267	100
M16 x 1.5	silver	-	19.00	-	-	4.70	21.00	M16	A-INLE-M16-N-S	1411268	100
M20 x 1.5	silver	-	24.00	-	-	4.70	27.00	M20	A-INLE-M20-N-S	1411269	100
M25 x 1.5	silver	-	30.00	-	-	5.20	33.50	M25	A-INLE-M25-N-S	1411270	50
M32 x 1.5	silver	-	36.00	-	-	5.70	40.00	M32	A-INLE-M32-N-S	1411271	50
M40 x 1.5	silver	-	46.00	-	-	6.50	50.00	M40	A-INLE-M40-N-S	1411272	50
M50 x 1.5	silver	-	60.00	-	-	6.50	65.00	M50	A-INLE-M50-N-S	1411273	10
M63 x 1.5	silver	-	70.00	-	-	7.00	75.00	M63	A-INLE-M63-N-S	1411274	10

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Sealing washers, metric





Sealing washer

Technical data

General data	
Material	Nylon
Ambient temperature (operation)	-60°C ... 130°C

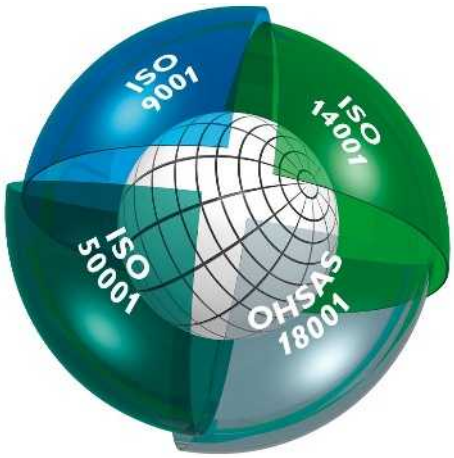
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20	white	-	-	-	-	-	-	M20	A-SEW-20-P-W	1411283	20
M25	white	-	-	-	-	-	-	M25	A-SEW-25-P-W	1411284	20
M32	white	-	-	-	-	-	-	M32	A-SEW-32-P-W	1411285	20
M40	white	-	-	-	-	-	-	M40	A-SEW-40-P-W	1411286	20
M50	white	-	-	-	-	-	-	M50	A-SEW-50-P-W	1411287	10
M63	white	-	-	-	-	-	-	M63	A-SEW-63-P-W	1411288	10

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For further information and full technical data, visit phoenixcontact.net/products.
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Quality in quantity



Integrated management system

The objective of the Phoenix Contact integrated management system is to integrate all requirements pertaining to products, processes, and the organization.

Statutory and regulatory requirements, as well as those of international standards and our customers, are met and, in some cases, even exceeded in all phases of the product lifecycle.

The Phoenix Contact management system is monitored by internationally recognized independent bodies each year to ensure that quality, environmental protection, energy efficiency, and occupational safety have been integrated in conformance with the relevant requirements. Certification in accordance with international standards ISO 9001, ISO 14001, ISO 50001, and BS OHSAS 18001 is the result of our corporate philosophy of meeting the needs of our customers, staff, and environment as best as possible. This serves as the basis for innovative products with the familiar high Phoenix Contact quality standard, actively practiced environmental protection through efficient production and products that conserve resources, and responsibility in the field of occupational health and safety. It goes without saying that we integrate all further requirements of standards, international approvals or special customer requirements into our company processes.

The result of this system is a building block for the success of the Phoenix Contact Group as well as its products and services.

CE marking

CE marking was introduced as an important instrument for the free movement of goods and services within the single European market. By applying the mark to a product, the manufacturer confirms its compliance with all EU directives applicable to this product. The EU directives describe the product characteristics with regard to device safety and the avoidance of risks. They have been incorporated in national legislation. Compliance with the requirements is a **condition for placing the product on the market within the EU**.

Where applicable, our products currently fall within the scope of the following directives in particular:

– 2014/35/EU
Electrical equipment designed for use within certain voltage limits (Low Voltage Directive)
– 2014/30/EU
Electromagnetic compatibility (EMC Directive)
– 2014/32/EU
Measuring instruments
– 2006/42/EC
Safety of machinery (Machinery Directive)
– 2014/34/EU
Equipment and protective systems intended for use in potentially explosive atmospheres (ATEX Directive)
– 2014/53/EU
Radio equipment (RED)
– 2011/65/EU
Restriction of the use of certain hazardous substances (RoHS Directive)
– 2012/19/EU
Waste electrical and electronic equipment (WEEE Directive)

The standards used as the basis for the aforementioned directives have been at the heart of our development standard for some time as a way of ensuring compliance with European directives. The numbers of the directives indicate their version at the time of publication. In the event of changes to directives and/or standards, our products will undergo conformity assessment again in good time and a new declaration of conformity will be issued promptly. The current declarations for each product can also be found in our download area.

Among the aforementioned European directives, the EMC Directive plays a particularly important role. It uses a directive enshrined in national legislation as the basis for defining electromagnetic compatibility as a fundamental device property. European legislation therefore places great emphasis on the electromagnetic compatibility of devices and systems as a basic prerequisite for the error-free operation of machines and systems. As an international leader in the field of surge protection, Phoenix Contact has extensive expertise in EMC. This expertise and the experience gained over many years in the development and application of industrial interface and communication technology have resulted in an extremely high standard of quality for our products when it comes to electromagnetic compatibility. Our independent laboratory, Phoenix Testlab, was founded in order to share this expertise with other companies. Phoenix Testlab GmbH is an accredited service company, which carries out EMC testing in compliance with European standards. At Phoenix Testlab, devices are also tested with regard to their electrical safety, mechanical influences, and their behavior in relation to environmental influences. Phoenix Testlab is also a notified body in accordance with EMC Directive 2014/30/EU and Radio Equipment Directive (RED) 2014/53/EU. As a certification body (TCB, FCB, and RCB), Phoenix Testlab is also able to approve these products for the markets in the USA, Canada, and Japan.

Standards and regulations

All relevant standards and regulations are used as the basis for the development and maintenance of our products.

International standards are subject to continuous changes as a result of harmonization and new developments. In line with this process, the current version of all standards that are relevant to our products is documented in the product area on our website at **phoenixcontact.net/products**.

Online product information service on the world wide web

Phoenix Contact is continuously extending its product range.

Within the scope of our product monitoring obligation, all products are subject to an improvement process.

The Internet is an ideal platform to quickly communicate new product developments and improvements to the market.

You can quickly access the relevant Phoenix Contact website for your region via phoenixcontact.com. There you will always find an up-to-date overview of products, solutions, and services from Phoenix Contact. This includes technical documents such as data sheets and user manuals, current driver and demo software, and a direct link to the relevant contact person.

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Materials

Polyamide (PA)

Polyamide has excellent electrical, mechanical, chemical, and thermal properties, even at high operating temperatures. Brief peak temperatures of up to 200°C are permitted as a result of heat aging stabilization. Polyamide absorbs moisture from its surroundings (2.8% on average). However, this moisture is not crystallization water in the plastic itself, but chemically bonded H_2O groups in the molecular structure. This makes the plastic flexible and resistant to breakage, even at temperatures as low as -60°C. As per UL 94, PA has a flammability rating of V2 to V0. The polyamide used by Phoenix Contact is silicone and halogen-free and is suitable for use at temperatures between -60°C and +125°C.

Polycarbonate (PC)

Polycarbonate is characterized by its high mechanical strength and chemical resistance. Other properties of this material include rigidity, dimensional stability, and good heat distortion resistance. Polycarbonate is used to manufacture particularly smooth and stable marking materials. The polycarbonate used by Phoenix Contact absorbs little moisture, is silicone and halogen-free, and is suitable for use at temperatures between -40°C and +125°C.

Polycarbonate/acrylonitrile butadiene styrene (PC/ABS)

PC/ABS blends are amorphous thermoplastics which are characterized by high impact strength potential even at low temperatures. They are resistant to acids and lyes, for example. In addition to benefiting from high dimensional accuracy and low distortion tendency, they absorb little moisture. The products manufactured from these blends have a high-gloss finish. Temperature range: -50°C to +90°C.

Acrylonitrile butadiene styrene (ABS)

ABS is a copolymer. It has a high impact strength and is strong and hard. The ABS used by Phoenix Contact is silicone-free and is suitable for use at temperatures between -40°C and +85°C.

Polyvinyl chloride (PVC)

PVC has a long service life. It is characterized in particular by its outstanding mechanical strength and high chemical resistance. PVC is unaffected by oxygen and ozone. The material is resistant to corrosive salt solutions and most acids. The polyvinyl chloride used by Phoenix Contact is silicone-free and is suitable for use at temperatures between -30°C and +80°C.

Polyester

Polyester is resistant to chemicals. It is ideally suited to printing, shaping, and punching. Polyester is resistant to UV radiation and absorbs little moisture. The polyester used by Phoenix Contact is silicone and halogen-free. Depending on its composition, it is suitable for use at temperatures between -40°C and +150°C.

Polyolefin

Polyolefins are semi-crystalline thermoplastics, which can be easily processed as extrusion profiles (shrink sleeves). They are characterized by good chemical resistance. Silicone-free, temperature range: -55°C to +125°C.

Polyethylene (PE)

Polyethylene is a thermoplastic material which is highly resistant to acids, lyes, and other solvents. PE absorbs hardly any moisture and has high durability and breaking elongation. Silicone and halogen-free, temperature range: -40°C to +80°C.

Halogen-free

The term halogen-free, based on international standards for base materials for PCBs (e.g., IEC 61249-2-21, IPC 4101 C), relates to the elements chlorine and bromine in flame protection agents. This also forbids the use of flame protection agents containing halogen in accordance with DIN EN ISO 1043-4.

As per the definition in the ZVEI position paper (requirements for the use of halogen-free products in the electrical and electronics industry), this means that no flame protection agents containing halogen or PVC are present in the components.

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Flammability classification

UL 94 V0/1/2

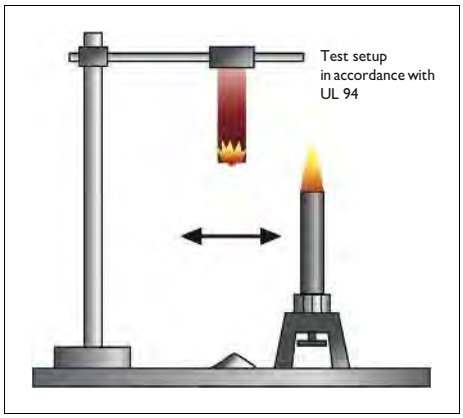
The flammability tests for plastics have been defined by Underwriters Laboratories (USA) in regulation UL 94. This applies to all areas of application, particularly in electrical engineering. A horizontal (HB - Horizontal Burn) or vertical (VB - Vertical Burn) test is carried out at the test laboratory to determine the flammability of the plastic material with a naked flame. In order of increasing flame-retardant behavior, the evaluation classes are HB, V1, V2, and V0. Test results are recorded on "yellow cards" and are published annually in the Recognized Component Directory.

The flash point, the combustion point, and the ignition point of a material are decisive with regard to its fire behavior. The tests show that the UL 94 V1/2/0 classifications are stricter than that of UL 94 HB.

The test bar is clamped vertically and flame-treated several times for 10 seconds at a time. Between the flame treatments, the time until the test bar is extinguished is measured. The afterflame times and the drip behavior are then evaluated.

This test setup is not suitable for foils and/or very thin test objects that shrink when exposed to the heat of the flame.

Phoenix Contact only uses plastics which conform to UL 94 V1/2/0.



Classification	UL 94 V0	UL 94 V1	UL 94 V2	UL 94 HB
Burning time after each flame treatment	≤ 10 s	≤ 30 s	≤ 30 s	-
Total burning time after 10 flame treatments	≤ 50 s	≤ 250 s	≤ 250 s	-
Glowing time after the 2nd flame treatment	≤ 30 s	≤ 60 s	≤ 60 s	-
Complete burn-off	No	No	No	Yes
Ignition of the absorbent cotton under the sample	No	No	No	-

Halogen-free flame protection

DIN EN ISO 1043-4

Halogens include the chemical elements astatine, fluorine, chlorine, bromine, and iodine. One property of the halogen compounds of bromine and chlorine is the reduction in the degree of flammability when used in plastics. In the event of fire, poisonous corrosive gases are formed. Secondary damage attributable in part to the water used to extinguish the fire can also be caused. For this reason, Phoenix Contact does not use any flame protection systems which contain halogens or other additives. Polyamide, polycarbonate, polycarbonate/acrylonitrile butadiene styrene, acrylonitrile butadiene styrene, and polyolefins feature halogen-free flame protection systems.



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Industrial identification – Quality features

Marking materials and their markings must withstand a wide range of extreme environmental conditions, depending on their area of application. To ensure clear and permanent marking, the properties of the base material must not alter too drastically and the quality of the printing must remain constant. In addition to environmental influences, marking materials and their markings are often subjected to mechanical influences.

It must not be possible to scratch the marking off, and abrasions caused by industrial cleaning agents must not render the marking illegible. Furthermore, the marking materials must remain securely fixed in place even when subjected to vibration. Phoenix Contact only uses tested materials that satisfy the requirements set by these standards in every respect.

Weathering resistance

DIN EN ISO 4892-2

To simulate several years of use outdoors, the marking materials are exposed to cyclical stresses through UV radiation and humidity.

In this way, artificial weathering provides an insight into the mechanical properties and the appearance of a material.



Resistance to oil and chemicals

DIN EN ISO 175

Liquid oils and chemicals can trigger physical or chemical reactions that have a negative impact on the base material. Both the mechanical properties of a plastic and the durability of the marking can be affected. Tested materials withstand these influences.



Wipe resistance

DIN EN ISO 61010-1-2 and DIN EN ISO 62208

To ensure the wipe resistance of markings in an industrial environment, the markings undergo a test with isopropanol, n-hexane, and petroleum ether. A cloth is soaked in the respective chemical and wiped over the marking material with a defined force for 30 s. After the test, the marking has to be clearly legible.



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Corrosion resistance

DIN 50018

To test the resistance of the materials to corrosion damage, they are exposed to a condensation changing climate with a sulfur dioxide laden atmosphere at +40°C. This climate forms an acidic atmosphere during the test. Finally, a microscopic visual inspection of the materials is performed. All marking materials used by Phoenix Contact conform to this demanding standard and are resistant to aggressive substances.



Salt spray

IEC 60068-2-11/-52

Particularly in shipbuilding and offshore applications, the markings must withstand corrosive atmospheres containing salt. To ensure this can be achieved, the resistance of the materials is tested with salt spray in a corrosive atmosphere. A visual inspection is performed after the test.



Vibration resistance

DIN EN 50155

To simulate vibration stress that occurs in practice (e.g., in the railway industry), the marking materials are exposed to increasing and decreasing frequencies and amplitudes. They are tested in the three axes (x, y, z) for five hours each, and must not be damaged and their secure positioning must not have been impacted.



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Scratch resistance

DIN EN ISO 1518

The scratch resistance of markings when exposed to intermittent or linear stress is tested using an Erichsen test pencil. A defined force is applied to an engraving needle via spring tension. The spring tension at which the Erichsen hardness test pencil leaves behind a barely visible trace is decisive.



Adhesion

DIN EN ISO 2409

To test the adhesion of printing, for the Tesa test, a transparent strip of self-adhesive tape with an adhesive strength of 10 ±1 N is applied to the printing to be tested. The self-adhesive tape is then pulled off at an angle of 60° in relation to the pulling direction. There should be no marks from the printing on the adhesive tape after the test.



Adhesive strength

FINAT 1, 2, and 9

To determine the adhesive strength of a label on a base material, a strip of labels (25 mm x 175 mm) is applied with a defined force. The test sample is then removed after a defined wait time, at a predefined angle, at 300 mm/min. The adhesive strength is specified in N/25 mm.



IP degree of protection

DIN EN 60529 / ISO 20653

Differing ambient conditions and requirements necessitate a clear classification of markings in IP degrees of protection. These are indicated by a code consisting of two numbers following the IP abbreviation: the first number describes the scope of protection against the ingress of foreign bodies, the second the tightness of seal against humidity.



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Conductors and cables

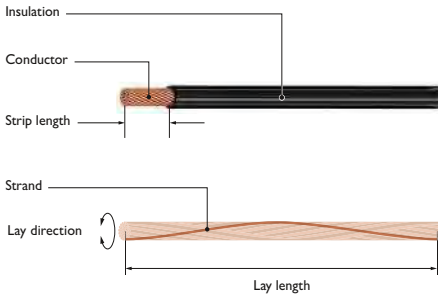
Conductors, cables, and lines all serve the same purpose: to carry electrical signals or energy. In everyday conversation, cables are often equated to lines, as both versions generally consist of several conductors that are isolated from each other. Cables have increased mechanical resistance. This enables them to be used in the ground, underwater or even unprotected outside.

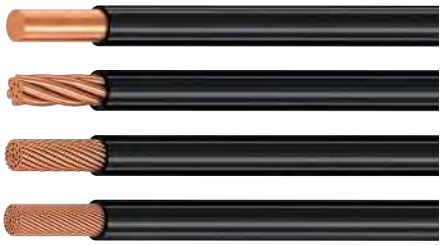
The conductor (also referred to as a wire) consists of a conductive copper or aluminum core surrounded by insulation. Copper is preferred, due to its excellent electrotechnical properties. IEC/DIN EN 60228 (VDE 0295) subdivides conductors into 4 classes of flexibility. They are classed according to the basic flexibility of the conductor. The criteria for this are the individual wire diameters and the number of individual wires.

Another factor that influences the inherent stability is the twist pitch. The twist pitch refers to the length of an individual wire that is required for a 360° rotation. The lower the twist pitch, the more rigid and compact the conductor is, and this also increases the outside diameter. In standard IEC/DIN EN 60228 (VDE 0295), the conductor cross sections are defined by the electric conductance or resistance values. These values are the basis for determining the maximum current carrying capacity. Geometrical data, in particular cross section tolerances, is not specified here. As a result, the actual cross section can deviate substantially from the nominal cross sections.

These days, copper exhibits a purity of up to 99.99%. By using copper, the manufacturer is in a position to replace the actual copper cross section with one of more than 10% less. This presents a challenge when it comes to crimping. Insulation permanently isolates the individual conductors from each other. Furthermore, it also acts as a protective sleeve against external influences. The basic requirement for the insulation material is to achieve the maximum possible electrical resistance; however, the corresponding resulting warmth can detract from this.

Today, the choice of insulation is above all plastic, in all its versions. The type and properties of the plastic determine later possible applications for conductors, cables, and lines. Another criterion is the strength of the insulation. This directly influences the mechanical and electrical loading capacity. The condition of the insulation (hardness, durability, thickness, etc.) is furthermore decisive when choosing the right stripping tool.





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Ferrules

The ferrule is a useful tool in conductor assembly and wiring. Using sleeves prevents potential splicing of the individual litz wires. This enables effective, and above all, reliable processing. In DIN 46228, the ferrule is defined as being between 0.5 and 50 mm². This standard is divided into four parts:

– Part 1: Tubular end-sleeves without plastic sleeve
– Part 2: Crimp-type end-splices, with and without insulation grip
– Part 3: Conductor-embracing end-splices, without insulation grip
– Part 4: Tubular end-sleeves with plastic sleeve

In addition to the geometric dimensions, the standard also sets out the material, the coloring according to the cross section, and the test specifications. Furthermore, the sleeve must fit class 2, 5, and 6 conductors.

The conductor cross sections are defined using the electrical resistance values and not, as is the case for sleeves, using the geometric dimensions. Greater variations in the cross sections are therefore possible (also refer to the section on conductors and cables). Due to this, there is a certain discrepancy between the sleeve and the conductor. However, Phoenix Contact crimping tools are largely designed to compensate for this difference in capacity.

In addition to DIN, there is a French standard for ferrules, NFC 63-023. With the exception of the coloring for some cross sections (see matrix), the NFC standard is based on the DIN standard. UL 486 F as well as Canadian standard C22.2 NO. 291-14 are new additions to the normative framework for ferrules.

These harmonized standards are also based on the DIN standard. However, they deal more with test methods and specific requirements (for example, see table for pull-out values).

In UL 486 F, special sleeves such as "TWIN" for two-conductor connection are also recorded for the first time in the standard. For certification in accordance with the aforementioned UL and CSA standards, comprehensive testing must be carried out by the respective organization. It is not just the sleeves that are tested and certified, but the entire system comprising crimping tools and ferrules.

The key advantages of ferrules:

– Increased, long-term operational safety and contact reliability
– Time-saving further processing (particularly in the case of Push-in terminal blocks)
– Reliable connection, even with repeated rewiring
– Reduction in cable breakages
– Easy cross section detection
– Increased vibration resistance
– Permanently low contact resistance
– Individual litz wires are protected (particularly in the case of screw terminal blocks)
– Consistent clamping in the case of screw connections

Note: Now UL-certified

Phoenix Contact was one of the first tool manufacturers to have ferrules in combination with crimping tools and crimping devices certified in accordance with the "new" UL 486 F standard. Together with conformity with DIN 46228 (1-4), this allows us to satisfy global market requirements in the areas of quality, safety, and compatibility.

Cross section [mm²]	NFC 63-023	German code	DIN 46228-4	UL486-F (E shape)
0.14		Gray		
0.25		Light blue		
0.34	Green	Turquoise		
0.50	White	Orange	White	White
0.75	Blue	White	Gray	Gray
1.00	Red	Yellow	Red	Red
1.50	Black	Red	Black	Black
2.50	Gray	Blue	Blue	Blue
4.00	Orange	Gray	Gray	Gray
6.00	Green	Black	Yellow	Yellow
10.00	Brown	Ivory	Red	Red
16.00	Ivory	Green	Blue	Blue
25.00	Black	Brown	Yellow	Yellow
35.00	Red	Beige	Red	Red
50.00	Blue	Olive	Blue	Blue

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Crimping, pressing, crushing

Crimping describes the mechanical joining of the contact and conductor.

In addition to crimping, two further terms are used, based on standards. The type of deformation plays a decisive role here. Based on the type of contact, a distinction is made between:

– Crushing,
  for insulated cable lugs
– Pressing,
  for ferrules, uninsulated cable lugs, and similar closed connectors.

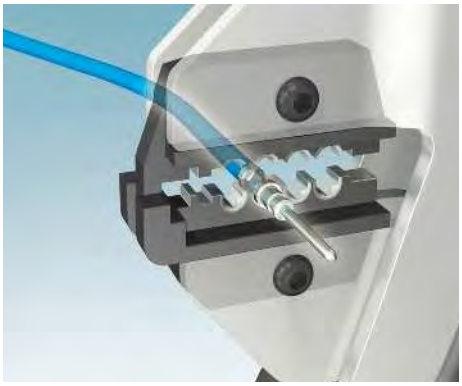
When processing spade connectors, for example, this is called crimping. Please observe the following key points to ensure a reliable connection between the contact and the conductor.

– The conductor must be processed correctly
– The conductor and the contact must be compatible
– The conductor must be positioned correctly in the contact
– The correct crimping tool must be selected
– The conductor and contact are placed in the designated die nest of the pliers

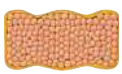
Professional crimping pliers are always equipped with a pressure lock that can be unlocked. It unlocks as soon as the required crimping pressure is applied. This prevents operation with insufficient pressure. This ensures consistent crimping results for the user with maximum possible pull-out values.

Automatic or semi-automatic crimping machines are often used when processing large numbers of contacts. Standards DIN EN 60352-2 and DIN EN 60999-1 are among the references used to subsequently assess crimping results. In addition to a variety of electrical and mechanical tests, conductor pull-out tests are the decisive criterion.

All tools in the CRIMPFOX series from Phoenix Contact are calibrated and tested in accordance with the applicable standards. These tools ensure gas-tight crimping with long-term stability. We recommend checking the crimp quality every 5000 cycles or once per year, using suitable, calibrated test equipment.



Crimp profiles



WM crimp
For crimping ferrules in accordance with DIN 46228-1/4, UL 486F.



B crimp
For crimping uninsulated spade connectors, slip-on sleeves, and other open crimping sleeves.



Hex crimp
For crimping ferrules in accordance with DIN 46228-1/4, UL 486F, uninsulated tubular cable lugs, coaxial connectors, and FO connectors.



Square crimp
For crimping ferrules in accordance with DIN 46228-1/4, UL 486F, uninsulated tubular cable lugs, coaxial connectors, and FO connectors.



Indent/mandrel crimp
For crimping uninsulated cable lugs and connectors.



Four-mandrel crimp
For crimping turned contacts.



Trapezoidal crimp
For crimping ferrules in accordance with DIN 46228-1/4, UL 486F.



Oval crimp
For crimping insulated cable lugs and connectors.



Double indent crimp
For crimping uninsulated cable lugs and connectors.

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Connectors

The crimp connections have proven themselves millions of times over in all areas of industry, automotive technology, aviation, the transport industry, and in medical equipment. Connectors are also known as crimp contacts. They are available in a wide range of versions and designs.

They are divided into two main groups: the solid, turned connectors or contacts are referred to as being "closed", while the punched, rolled connectors or contacts are "open". In an electrical installation, these crimp connections fall into the category of "solder-free electrical connections".

The scope of performance as well as test specifications are described in European standard DIN EN 60352-2. "Crimping" is a joining process that permanently connects one or more conductors with a contact. A stripped conductor is inserted into the crimp zone of the contact and connected by means of a defined crimping process. This results in a permanent, reliable connection that cannot be detached.

The following key groups make up the different connector types, with a large range of dimensions and conductor cross sections:

– Punched-rolled contacts
– Turned contacts
– Hard-soldered crimping cable lugs
– Tubular and compression cable lugs
– Butt connectors
– Insulated crimping cable lugs
– Pin cable lugs
– Uninsulated and insulated ring cable lugs
– Uninsulated and insulated fork-type cable lugs
– Uninsulated and insulated slip-on sleeves
– Coaxial CATV connectors

The B crimp profile is mainly used as a crimping profile for punched-rolled contacts. Solid turned connectors or contacts mainly exhibit profiles in four-mandrel crimping (4/8 indent), square, hexagonal, and B crimp.

Mechanical crimping pliers with a ratchet system or hydraulically operated tools with different die sizes and crimp profiles process cross sections larger than 10 mm².

Depending on the machine type, square and four-mandrel profiles up to 10 mm² are installed in electrical, pneumatic, and electropneumatic crimping machines. For larger cross sections, such as for a vehicle connector, the B crimp profile is also used. Other profiles, such as WM crimp, O crimp, indent crimp, and double indent crimp, are used for processing ferrules, tubular and crimped cable lugs, and connectors up to 300 mm².

DIN 46230, DIN 46234, and DIN 46235 are used as a reference for the standard. This time-saving, cost-effective connection method has proved itself millions of times over for many decades. Getting the right design, however, is a very complex task. For standard-compliant crimp connections, the perfect interplay between the following is crucial:

– Litz wire cross section
– Crimp contact
– Crimping tools
– Correct tool settings

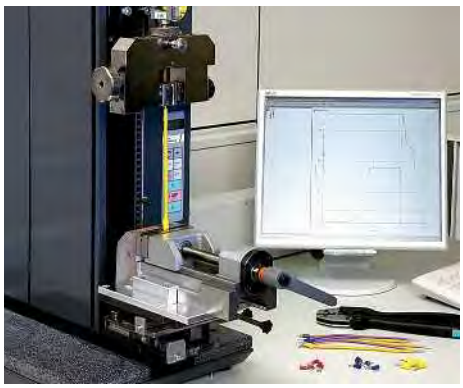
Selecting the crimp profile depends on various parameters, such as the connector or crimp contact, the applicable standard, the area of use, and the specific connector type.

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Conductor pull-out test

DIN EN 60352-2

Crimping points can be affected by tensile forces during wiring or operation. Therefore, properly crimped ferrules and connectors must offer a high degree of mechanical safety. To test the tensile load capacity, a crimped conductor is exposed to a predefined, cross-sectional tensile force for a period of up to 60 seconds, and it must withstand this load. The tensile force exerts stress on the conductor at the crimping point. Damage must not occur to the crimping point as a result. Generally, even the maximum tensile force is tolerated, until the connection is destroyed.



Conductor cross sections/conductor pull-out forces

Metric	JIS type	AWG/MCM equivalent		UL 486F - A-F	"IEC 60999-1/2 EN 60947-1 DIN 46228-1/4"	IEC 60352-2	UL486A/B (CU)	JIS C 2805	DIN EN 61238-1 (CU)	DIN EN 61238-1 (CU)
[mm²]	[mm²]	AWG	[mm²]	[N]	[N]	[N]	[N]	[N]	[N]	[N]
0.2	-	24	0.21	20	10	28	22.3			28
0.25				20		32				
0.34	-	22	0.33	20	15	40	35.6			40
0.5	-	20	0.52	20	20	60	57.9			56
0.75	-			30	30	85	89			87
		18	0.82	30	30	90	89			
1	-			35	35	108				108
	1.25							100 (200)		
1.5		16	1.31	40	40	135	134			150
				40	40	150	134			
	2.0							100 (290)		
2.5		14	2.08	50	50	200	223			230
				50	50	230	223			
	3.5							540		
4				60	60	310	312			310
		12	3.31	60	60	275	312			
	5.5							780		
6		10	5.26	80	80	360	356			360
	8							980		
10		8	8.37			370	401		600	
				90	90	380	401			
	14							1400		
16		6	13.23	100	100		445		960	
	22							1800		
25		4	21.15	135	135		623		1500	
		3	26.67				712			
35		2	33.62	190	190		801		2100	
	38							2500		
		1	42.41				890			
50		1/0	53.48		236		1113		3000	
	60							3200		
70		2/0	67.43		285		1235		4200	
95		3/0	85.01		351		1558		5700	
	100							3900		
120		4/0	107.22		427		2003		7200	
		250 MCM	127				2225			
150	150	300 MCM	152				2448	4100	9000	
185		350 MCM	177				2670		11100	
	200							4400		
		400 MCM	203				2893			
240		500 MCM	253		578		3560		14400	
	250							4600		
300		600 MCM	304		578		4005		18000	
	325							4800		

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Gas tightness

A gas-tight crimp connection is the result of a defined crimping process. The wire strands in one or more conductors and a connector are joined to create a largely homogeneous structure with no gaps. This results in a permanent, reliable connection that cannot be detached.

In addition to the mechanical and electrical properties to be tested, a visual examination of the crimp area provides important information regarding the quality of the connection. To this end, micrographs or images are captured by means of computer tomography. The porosity, elongation at break, and the deformation of the individual wire strands is assessed in this way.

When crimping is performed correctly, it is largely protected from gases such as industrial atmospheres that contain sulfur dioxide and from oxygen, salt spray or other corrosive media. This prevents gases causing corrosion on the individual wire strands during the lifetime of the connection and any resulting deterioration in the electrical properties.

The crimp connections of ferrules differ from connectors or cable lugs. Ferrules are used as splicing protection for class 2, 5, and 6 copper wires that are multi-stranded, fine-stranded, and extra finely stranded. The copper sleeves of ferrules have a material thickness of just 0.15 mm to 0.45 mm. This is significantly thinner than that of cable lugs, for example.

DIN 46228 (Part 1 - 4) describes the mechanical testing and overall dimension check starting from 2.5 mm². Class 5 copper wires in accordance with IEC 60228 are described for the crimping of ferrules. The electrical properties are evaluated in conjunction with the later application, e.g., within a terminal block. Corrosion-free contact areas are a prerequisite for low-resistance and therefore high-performance connections, especially in aggressive environments.

For this reason, the secure positioning of the connection in the terminal point must be ensured.

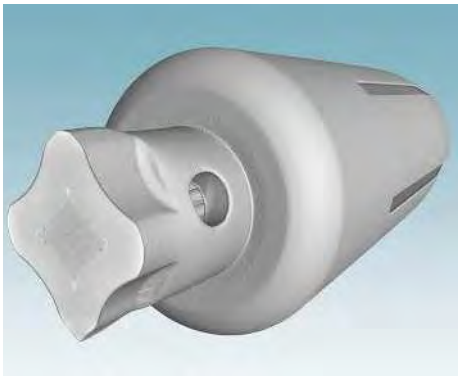
The impact of aggressive media on the terminal point is evaluated in the terminal block standard for copper wires. The voltage drop in accordance with DIN EN 60947-7-1 must not exceed a value of 3.2 mV before or after the test, nor must it exceed 1.5 times the value measured at the start of the test.

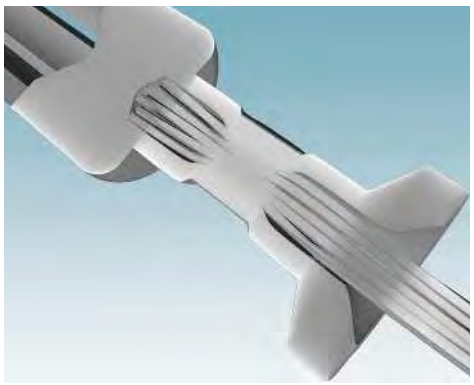
The connection is deemed gas-tight if the test object meets the requirements of a test in a condensation changing climate with an atmosphere that contains sulfur dioxide in accordance with DIN 50018 (AHT 2,0 S).

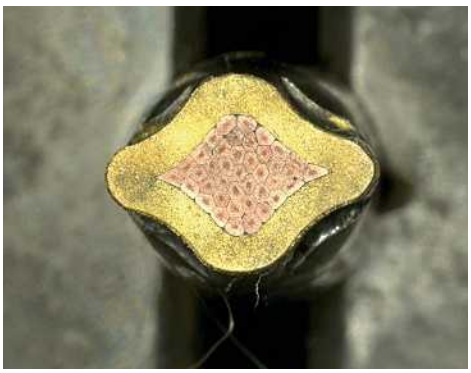
This test involves storage in a condensation changing climate with changing humidity and temperatures. In the first test section, the test object is exposed to an SO2 volumetric concentration of 0.67% at a temperature of 40°C and humidity of approximately 100% for 8 hours.

After this test, the test objects are left to dry for 16 hours with the door open. This cycle is performed twice, before the test objects are assessed.

When used correctly at contact points, Phoenix Contact crimping tools, ferrules, and connectors achieve a permanent gas-tight connection. Even aggressive media cannot impact this connection.







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1000 V tests in accordance with EN 60900

In the strict safety regulations for working on live parts up to 1000 V AC and 1500 V DC, VDE-insulated tools perform a key role. Of course, general safety measures also apply. International standard IEC 60900 places very stringent requirements on insulated tools.

In addition to specifications regarding the geometry and dimensions, this standard primarily defines the properties of the insulation material. Comprehensive test specifications complete the standard. For example, the condition of the insulation and markings is visually inspected.

An impact test checks the resistance of the insulation layer to impacts. Breakages, flaking or cracks must not occur, even at low temperatures (-25°C or -40°C depending on the category).

Following an indentation test (semi-sphere 5 mm in diameter), a force of 20 N is applied to the insulation for 2 hours at 70°C. After cooling, the test point must not exhibit any electrical disruptive discharge, flashover or sparkover over a period of 3 minutes while a voltage of 5 kV is applied (r.m.s. value).

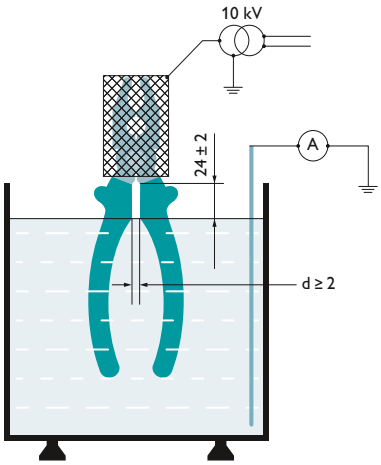
In dielectric tests, pre-conditioned tools (water bath/storage in humidity cabinet) undergo voltage testing. A voltage of 10 kV is applied for three minutes. The discharge current must be less than 1 mA per 200 mm coating length of the hand tool.

Other tests that are performed assess the adhesive strength of the insulation coating, the markings' resistance to chemicals, and the combustion behavior. If the tool successfully passes type testing, this provides the basis for using the VDE logo in conjunction with IEC 60900.

Regular inspections of production sites and test centers are also made by the appropriate VDE approval body. Among other things, this involves taking random product samples from ongoing production and assessing them. The manufacturer already carries out comprehensive testing during the production stage, ensuring full compliance with the requirements of IEC 60900.

The last hurdle is the test for electric strength. Each tool is tested at 10,000 V AC. Only after passing this test can a tool be referred to as VDE-certified and released for sale.

VDE-insulated tools from Phoenix Contact, which are marketed accordingly, provide the user with a high degree of quality and maximum possible safety when working with live parts up to 1000 V AC and 1500 V DC.



Identification colors

The plastic sleeves of the insulated cable lugs and connectors are different colors depending on the cross section. This makes it easy to reliably differentiate between the conductor cross sections.

Conductor cross sections and their corresponding identification colors are listed in the table.

Conductor cross section		Color
[mm²]	AWG	
0.1 - 0.5 0.25 - 0.75	26 - 20 24 - 18	Yellow/light green Green
0.5 - 1.5 1.5 - 2.5	20 - 16 16 - 14	Red Blue
4 - 6 10	12 - 10 8	Yellow Red
16 25	6 4	Blue Yellow

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Cutting

Cable processing starts with trimming or cutting the conductor or cable to length.

Conductors and cables in a wide range of sizes, shapes, and insulation can only be processed professionally and permanently using high-quality tools. Optimum leverage means that you only need to apply low manual force to generate maximum force in the cutting area.

When it comes to cutting conductors and cables in the upper cross section range up to 1400 mm², ratchet-driven cable cutters are the solution. Here, the finely stepped down drives also keep the required manual force to a minimum. Both versions, with direct and indirect force transmission, feature special cutting geometries which help to ensure ease of movement and can be relied upon to produce burr-free right-angle cuts. Accidental deformation of the conductor is thereby prevented.

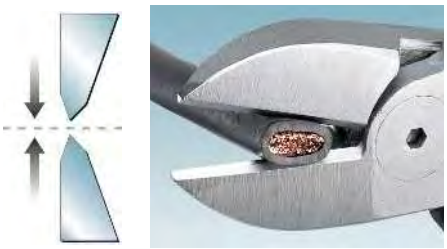
The cutting method described above, which is also known as shear cutting, is listed under the generic term "splitting" in DIN 8588. The two blades move toward and past one another and cut (shear) the material without burring.

Bite cutting involves two wedge-shaped blades which move toward one another to cut the material. The wedge angle set for the blades is deliberately large and therefore stable. In addition to the hardening of the entire tool, the cutting area is subsequently hardened again inductively. This makes it possible to sever even extremely hard materials such as piano wire and spring steel with a tensile strength of up to 2300 N/mm² without damaging the tool. Bite cutting is suitable only to a limited extent for cutting through cables and lines.

When used appropriately, the CUTFOX cutting tools from Phoenix Contact can be relied upon for long-term stability and permanently consistent results.



Shear cutting



Bite cutting

Stripping

Stripping is the next step in the manufacturing process for creating a reliable crimp connection. In this case, a distinction is made between stripping and removing the sheath.

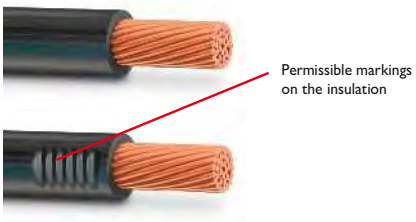
Stripping is used as a generic term as well as to describe the removal of insulation from conductors up to 16 mm². Removal of the sheath describes the stripping process for large conductor cross sections and multi-strand or multi-layered lines and cables. Insulation can be removed professionally and quickly using appropriate stripping tools.

The length of insulation to be removed varies depending on the terminal point or connector. The amount is set using adjustable limit stops, thereby ensuring consistent stripping lengths. When the insulation is removed, make sure that neither the single wires inside nor the braided shield are damaged.

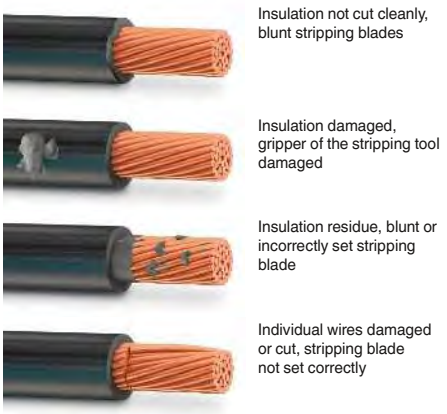
The remaining insulation must not be damaged by the grip pressure, although pressure points on and color changes in the insulation material are permitted. Further faults that need to be prevented are indicated in DIN IEC 60352-2.

Blade geometries suitable for the application in question are used to process special insulation materials. V blades are used for both hard (e.g., Teflon/Radox®) and soft rubber insulations (silicone). In contrast to the straight blade geometry, V blades cut the insulation all the way round, thereby reducing the tear-off force.

In order to satisfy these requirements, Phoenix Contact offers a wide range of stripping tools for the convenient and safe processing of various conductor, line, and cable types.



Correctly stripped conductor in accordance with DIN IEC 60352-2



Cable stripped incorrectly in accordance with DIN IEC 60352-2

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Tightening torque of terminal block screws

DIN EN 60947-1

Table 4 of the standard specifies the tightening torque to demonstrate the mechanical strength of screw connections/ screw terminal blocks.

These torques are sufficient for reliably connecting conductors with Phoenix Contact terminal blocks.

The table opposite lists recommended tightening torques which differ from those in this standard and will ensure gas-tight connections with long-term stability.

Extract from DIN EN 60947-1/ EN 60947-1, Table 4

The IEC/EN torque and the recommended tightening torque for Phoenix Contact terminal blocks are specified.

Head screw with slot	
Thread	**Torque**
	[Nm]
M1.6	0.1*
M2.0	0.2*
M2.5 (M2.6)	0.4*
M3	0.5*
M4	1.2*
M4.5	1.8*
M5	2.0*
M6	2.5*
M8	3.5*
M10	4.0* / 10**
M12	14**
M14	19**
M16	25**
M20	36**
M24	50**

* Valid for nuts and screws tightened with screwdrivers.
** Valid for nuts and screws that can be tightened with tools other than screwdrivers.

Color designations

Color	Code
White	WH
Red	RD
Blue	BU
Green	GN
Yellow	YE
Gray	GY
Brown	BN
Orange	OG
Black	BK
Turquoise	TQ
Ivory	IV
Beige	BE
Olive	OL

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DIN rails

DIN rails/protective conductor busbars
Extract from IEC 60947-7-2 / EN 60947-7-2 / DIN EN 60947-7-2 / VDE 0611-3

Phoenix Contact type	Rail profile	Material	Short-circuit current rating ≙ E CU conductor [mm²]*	Short-time withstand current 1 s [kA]	Maximum permissible thermal nominal current for PEN function [A]
NS 15 UNPERF 2000MM	DIN rail, in acc. with EN 60715 – 15 x 5.5	Steel	10	1.2	* *
NS 15 PERF 2000MM	DIN rail, in acc. with EN 60715 – 15 x 5.5	Steel	10	1.2	* *
NS 15-AL PERF 2000MM	DIN rail, dimensions in acc. with EN 60715 – 15 x 5.5	Aluminum	16	1.92	76
NS 32 UNPERF 2000MM	G-profile rail, in acc. with EN 60715 – G 32	Steel	35	4.2	* *
NS 32 PERF 2000MM	G-profile rail, in acc. with EN 60715 – G 32	Steel	35	4.2	* *
NS 32-CU/35 QMM UNPERF 2000MM	G-profile rail, dimensions in acc. with EN 60715 – G 32	Copper	120	14.4	269
NS 32-CU/120 QMM UNPERF 2000MM	G-profile rail, similar to EN 60715 – G 32	Copper	150	18.0	309
NS 35/7,5 UNPERF 2000MM	DIN rail, in acc. with EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 PERF 2000MM	DIN rail, in acc. with EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 V2A UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Copper	50	6.0	150
NS 35/7,5-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Aluminum	35	4.2	125
NS 35/15-2,3 UNPERF 2000MM	DIN rail, in acc. with EN 60715 – 35 x 15	Steel	50	6.0	* *
NS 35/15 UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Copper	95	11.4	232
NS 35/15-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Aluminum	70	8.4	192

* Cross sections calculated in acc. with IEC 60439-1 / EN 60439-1 / DIN EN 60439-1 / VDE 0660-500.
* * Protective conductor busbars made of steel must not be used for PEN function.

Air clearances and creepage distances

IEC 60947-7-1 / UL 1059

Carrying out a dimensional check of air clearances and creepage distances verifies that electrical insulation properties are adequate with respect to the following:

– Application
– Expected contamination
– Ambient conditions

The minimum distances are defined in IEC 60947-1 and UL 1059.

The distance is verified by measuring between two adjacent terminal blocks and the support, taking into account the shortest distances.

For the clearance, this means:

The clearance is the shortest distance in the air between two conductive parts. The deciding factors for rating the minimum clearance values are the rated surge voltage and the overvoltage category of the terminal block.

For the creepage distances, this means:

The creepage distance is the shortest distance along the insulating body between two conductive parts. The deciding factors for determining the minimum creepage distance are the rated voltage, the pollution degree, and the insulation material group of the terminal block.

The minimum values can be taken from the tables of the relevant standards.

IEC 60947-7-1

Phoenix Contact terminal blocks are designed with overvoltage category III and pollution degree 3 with the required distances.

UL 1059

Phoenix Contact terminal blocks are generally designed for a nominal voltage of 600 V in Use Group C.

Detailed information can be found in the data sheets or the catalog documentation.

UL Use Group	Definition	Maximum voltage [V]
A	Operating elements, consoles, and similar devices	150 300 600
B	Conventional devices, including office and electronic data processing equipment, and similar devices	150 300 600
C	Industrial applications, without restrictions	150 300 600
D	Industrial applications, equipment with limited rating	300 600

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Certification authorities and marks

Certification authorities and approvals		Country code
CB scheme	IECEE CB Scheme (in combination with certifying body)	International
CCA	CENELEC Certification Agreement (CCA inspection report) (in combination with certifying body)	EU
	Canadian Standards Association (CSA)	CA
	Canadian Standards Association (CSA) - CSA approval for the USA -	US
	Canadian Standards Association (CSA) combined logo - CSA approval for Canada and the USA -	CA US
	Underwriters Laboratories Inc. (UL)	US
	Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA
	Underwriters Laboratories Inc. (UL) combined logo - UL approval for the USA and Canada -	US CA
	INSIEME PER LA QUALITA'E LA SICUREZZA	IT
EAC	Eurasian Conformity	EAEU
KEMA KEUR	DEKRA Certification B.V.	NL
ÖVE	Österreichischer Verband für Elektrotechnik	AT
SEV	Eurofins Electrosuisse Product Testing AG SEV certification scheme	CH
VDE	Verband Deutscher Elektrotechniker e.V. (VDE) – Approval of drawings – Reports with production monitoring	DE
	Berufsgenossenschaft (BG) GS – Geprüfte Sicherheit (tested safety)	DE
Intertek	Intertek ETL Listed - Approval for the USA -	US
Intertek	Intertek ETL Listed - Approval for Canada -	CA
Intertek	Intertek ETL Listed - Approval for the USA and Canada -	US CA
TÜV	TÜV Rheinland Industrie Service GmbH	DE
	China Compulsory Certification	CN
	Korean Certification Mark	KR

Explosion protection		Country code
IECEx	International Electrotechnical Commission	International
Ex	ATEX Directive	EU
	Canadian Standards Association (CSA)	CA
	Canadian Standards Association (CSA) - CSA approval for the USA -	US
	Canadian Standards Association (CSA) combined logo - CSA approval for Canada and the USA -	CA US
	Underwriters Laboratories Inc. (UL)	US
	Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA
	Underwriters Laboratories Inc. (UL) combined logo - UL approval for the USA and Canada -	US CA
FM APPROVED	FM Approvals	US
FM APPROVED	FM Approvals - FM approval for Canada -	CA
FM APPROVED	FM Approvals - FM approval for the USA and Canada -	US CA
EAC Ex	Eurasian Conformity for Ex-products	EAEU
KCS	Korean Certification Mark for Ex-products	KR
INMETRO	National Institute of Metrology, Standardization and Industrial Quality	BR
Ex NEPSI	National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation	CN
CIDET	Corp. Centro de Investigación y Desarrollo Tecnólogico del Sector Eléctrico	CO

Marine classification societies		Country code
DNV GL	DNV GL - MARITIME	DE
BUREAU VERITAS	Bureau Veritas	FR
Lloyd's Register	Lloyd's Index of Shipping	GB
ClassNK	Nippon Kaiji Kyokai	JP
	Polski Rejestr Statków	PL
	Russian Maritime Register of Shipping	RU
KR KOREAN REGISTER	Korean Register of Shipping	KR
ABS	American Bureau of Shipping	US
RINA	Registro Italiano Navale	IT

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Type	Order No.	Page
A		
A 0,25- 5	3202465	480
A 0,25- 7	3202478	480
A 0,34- 7	3009202	480
A 0,5 - 6	3200218	480
A 0,5 - 8	3202481	480
A 0,5 -10	3202494	480
A 0,75- 6	3200221	480
A 0,75- 8	3202504	480
A 0,75-10	3200234	480
A 1 - 6	3200247	480
A 1 - 8	3202517	480
A 1 -10	3200250	480
A 1,5 - 7	3200263	480
A 1,5 -10	3200276	480
A 1,5 -12	3202588	480
A 1,5 -15	3202591	480
A 1,5 -18	3202601	480
A 2,5 - 7	3200289	480
A 2,5 -12	3200292	480
A 2,5 -18	3202821	480
A 4 - 9	3200302	480
A 4 -12	3200315	480
A 4 -18	3202834	480
A 6 -10	3202520	480
A 6 -12	3200328	480
A 10 -12	3200331	480
A 10 -18	3200344	480
A 10 -25	1090628	480
A 10 -32	1090629	480
A 120 -40	1090640	480
A 16 -12	3200425	480
A 16 -25	1090632	480
A 16 -32	1090633	480
A 25 -12	3200357	480
A 25 -15	3200360	480
A 25 -18	3200373	480
A 25 -20	3200386	480
A 25 -40	3241238	480
A 25 -25	1090634	480
A 25 -32	1090636	480
A 35 -18	3200399	480
A 35 -20	3200409	480
A 35 -40	3241239	480
A 35 -32	1090638	480
A 50 -40	3241240	480
A 50 -32	1090639	480
A 70 -40	3241241	480
A 95 -40	3241242	480
A-EXB-20-66L-N-S	1411117	655
A-EXB-20-66L-S-S	1411118	655
A-EXB-25-66L-N-S	1411120	655
A-EXB-25-66L-S-S	1411121	655
A-EXSH-M20-68L-N-S	1411104	654
A-EXSH-M20-68L-S-S	1411105	654
A-EXSH-M25-68L-N-S	1411107	654
A-EXSH-M25-68L-S-S	1411108	654
A-EXSH-M32-68L-N-S	1411109	654
A-EXSH-M32-68L-S-S	1411110	654
A-EXSH-M40-68L-N-S	1411111	654
A-EXSH-M40-68L-S-S	1411112	654
A-EXSH-M50-68L-N-S	1411113	654
A-EXSH-M50-68L-S-S	1411114	654
A-EXSH-M63-68L-N-S	1411115	654
A-EXSH-M63-68L-S-S	1411116	654
A-INL-M12-N-S	1411240	656
A-INL-M12-P-BK	1411213	656
A-INL-M16-N-S	1411241	656
A-INL-M16-P-BK	1411214	656
A-INL-M20-N-S	1411242	656
A-INL-M20-P-BK	1411215	656
A-INL-M20-S-S	1411249	657
A-INL-M25-N-S	1411243	656
A-INL-M25-P-BK	1411216	656
A-INL-M25-S-S	1411250	657
A-INL-M32-N-S	1411244	656
A-INL-M32-P-BK	1411217	656
A-INL-M32-S-S	1411251	657
A-INL-M40-N-S	1411246	656
A-INL-M40-P-BK	1411218	656
A-INL-M40-S-S	1411252	657
A-INL-M50-N-S	1411247	656
A-INL-M50-P-BK	1411219	656
A-INL-M50-S-S	1411253	657
A-INL-M63-N-S	1411248	656
A-INL-M63-P-BK	1411220	656
A-INL-M63-S-S	1411254	657
A-INLE-M12-N-S	1411267	657
A-INLE-M16-N-S	1411268	657
A-INLE-M20-N-S	1411269	657
A-INLE-M25-N-S	1411270	657
A-INLE-M32-N-S	1411271	657
A-INLE-M40-N-S	1411272	657
A-INLE-M50-N-S	1411273	657
A-INLE-M63-N-S	1411274	657
A-SEW-20-P-W	1411283	658
A-SEW-25-P-W	1411284	658
A-SEW-32-P-W	1411285	658
A-SEW-40-P-W	1411286	658
A-SEW-50-P-W	1411287	658
A-SEW-63-P-W	1411288	658
A/U CM	5021110	546
AB-SK	3025341	571
AB-SK 65	3026489	571
AB-SK 65-D	3026900	573
AB-SK 65-D INSULATED	3040889	573
AB-SK TOP	3062090	570
AB-SK TOP INSULATED	3062074	570
AB-SK-D TOP	3062100	572
AB-SK-D TOP INSULATED	3062087	573
AB-SK/E	3026476	576
AB-SK/E-NS 35	3213111	576
AB-SKS 60	3240223	571
AB/NS	1201141	545
AB/SKS	3240224	574
AB/SS	0404428	552
AB/SS-EX	0404415	552
AB/SS-M	3025888	574
AB2/SS	0404431	552
AB3/SS	0800086	552
ABN 2/SS	0404460	552
AE EMB CP 1	0899521	637
AE EMB CP 2	0899522	637
AE EMB EP 1	0899519	639
AE EMB EP 2	0899520	639
AE MP SH CP 200X200	0899447	637
AE MP SH CP 200X300	0899448	637
AE MP SH CP 300X400	0899445	637
AE MP SH CP 400X600	0899446	637
AE MP SH DP 177X177	0899453	641
AE MP SH DP 360X177	0899454	641
AE MP SH DP 360X360	0899455	641
AE MP SH EP 100X320	0899433	645
AE MP SH EP 120X122	0899434	639
AE MP SH EP 120X220	0899435	639
AE MP SH EP 160X160	0899436	639
AE MP SH EP 160X260	0899437	639
AE MP SH EP 160X360	0899438	639
AE MP SH EP 160X560	0899439	639
AE MP SH EP 250X255	0899440	639
AE MP SH EP 250X400	0899441	639
AE MP SH EP 250X600	0899442	639
AE MP SH EP 360X360	0899443	639
AE MP SH EP 405X400	0899444	639
AE MP SH EP 75X110	0899430	639
AE MP SH EP 75X160	0899431	639
AE MP SH EP 75X190	0899432	639
AE MP SH EP 75X80	0899429	639
AH-ME	3240265	546
AH-ME 115X150X80	3240267	546
AH-ME 145X150X80	3240266	546
AH-ME 200X150X78	3240268	546
AI 0,14- 6 GY -1000	1034128	483
AI 0,14- 8 GY -1000	3203011	483
AI 0,25- 6 BU	3203040	483
AI 0,25- 6 YE	3203024	481
AI 0,25- 8 BU	3201364	483
AI 0,25- 8 YE	3203037	481
AI 0,25-10 YE	3241128	481
AI 0,25-12 BU	3200632	483
AI 0,34- 6 TQ	3203053	483
AI 0,34- 8 TQ	3203066	483
AI 0,34-10 TQ	3241129	483
AI 0,34-12 TQ	3200645	483
AI 0,5 - 6 OG	3201301	483
AI 0,5 - 6 WH	3200687	481
AI 0,5 - 8 OG	3201123	483
AI 0,5 - 8 OG-1000	3202902	483
AI 0,5 - 8 OG-B	3201563	515
AI 0,5 - 8 WH	3200014	481
AI 0,5 - 8 WH -1000	3200881	481
AI 0,5 - 8 WH-B	3201369	515
AI 0,5 - 8 WH-GB	1208966	484
AI 0,5 -10 OG	3241126	483
AI 0,5 -10 WH	3201275	481
AI 0,5 -12 WH	3200506	481
AI 0,75- 6 GY	3200690	481
AI 0,75- 6 WH	3201314	483
AI 0,75- 8 BU	3200027	482
AI 0,75- 8 BU -1000	1213200	482
AI 0,75- 8 BU S1	1200163	415
AI 0,75- 8 BU-B	3201547	515
AI 0,75- 8 BU-S	1212785	488
AI 0,75- 8 GY	3200519	481
AI 0,75- 8 GY -1000	3200894	481
AI 0,75- 8 GY S1	1200105	415
AI 0,75- 8 GY-B	3201372	515
AI 0,75- 8 GY-GB	1208979	484
AI 0,75- 8 GY-S	1212522	488
AI 0,75- 8 WH	3201110	483
AI 0,75- 8 WH-B	3201576	515
AI 0,75- 8 WH-S	1212783	488
AI 0,75-10 GY	3201288	481
AI 0,75-10 GY-1000	3203118	481
AI 0,75-10 GY-GB-1000	3203299	484
AI 0,75-12 GY	3200849	481
AI 1 - 6 RD	3200742	481
AI 1 - 6 YE	3201327	483
AI 1 - 8 RD	3200030	481
AI 1 - 8 RD -1000	3200904	481
AI 1 - 8 RD-B	3201385	515
AI 1 - 8 RD-GB	1208982	484
AI 1 - 8 YE	3201097	483
AI 1 - 8 YE-B	3201589	515
AI 1 -10 RD	3200182	481
AI 1 -10 RD-GB-1000	1208869	484
AI 1 -12 RD	3200674	481
AI 1,5 - 6 BK	3200755	481
AI 1,5 - 8 BK	3200043	481
AI 1,5 - 8 BK -1000	3200917	481
AI 1,5 - 8 BK-B	3201398	515
AI 1,5 - 8 BK-GB-1000	3202892	484
AI 1,5 - 8 RD	3201136	483
AI 1,5 - 8 RD-1000	3202928	483
AI 1,5 - 8 RD-B	3201592	515
AI 1,5 -10 BK	3200195	481
AI 1,5 -10 BK-1000	3203134	481
AI 1,5 -10 BK-GB-1000	1208872	484
AI 1,5 -12 BK	3201482	481
AI 1,5 -18 BK	3200056	481
AI 1,5 -18 RD	3241125	483
AI 2,5 - 8 GY -1000	1213201	482
AI 2,5 - 8 BU	3200522	481
AI 2,5 - 8 BU -1000	3200920	481
AI 2,5 - 8 BU-B	3201408	515
AI 2,5 - 8 GY	3200069	482
AI 2,5 - 8 GY-B	3201550	515
AI 2,5 -10 BU	3202533	481
AI 2,5 -10 BU-1000	3203147	481
AI 2,5 -12 BU	3200962	481
AI 2,5 -12 GY	3200205	482
AI 2,5 -18 BU	3200580	481
AI 2,5 -18 GY	3200072	482
AI 2,5-8 GY S1	1200164	415
AI 4 -10 GY	3200535	481
AI 4 -10 OG	3200085	482
AI 4 -10 OG -1000	1213202	482
AI 4 -12 GY	3200959	481
AI 4 -12 OG	3200438	482
AI 4 -15 GY	1200264	481
AI 4 -18 GY	3200593	481
AI 4 -18 OG	3200098	482
AI 6 -12 BK	3201107	483
AI 6 -12 BK -1000	1004301	483
AI 6 -12 GN	3200108	482
AI 6 -12 GN -1000	1213203	482
AI 6 -12 YE	3200548	481
AI 6 -18 GN	3200111	482
AI 6 -18 YE	3200603	481
AI 0,25-8 BU-B	3240250	515
AI 0,25-8 YE-B	3240251	515
AI 0,34-8 TQ-B	3240249	515
AI 0,5-10 WH-GB	3203150	484
AI 0,5-8 OG-S	1212784	488
AI 0,5-8 WH S1	1200104	415
AI 0,5-8 WH-B 3000	3240663	487
AI 0,5-8 WH-S	1212521	488
AI 0,75-10 GY-GB	3203163	484
AI 0,75-8 GY-B 3000	3240664	487
AI 0,75-8 WH-B 3000	3240677	487
AI 1,0-8 RD S1	1200106	415
AI 1,0-8 RD-S	1212523	488
AI 1,0-8 YE-S	1212782	488
AI 1,5-8 BK S1	1200107	415
AI 1,5-8 BK-B 2500	3240666	487
AI 1,5-8 BK-S	1212524	488
AI 1,5-8 RD-S	1212781	488
AI 1-8 RD-B 3000	3240665	487
AI 10 -12 BN	3200124	482
AI 10 -12 IV	3201068	483
AI 10 -12 RD	3200551	481
AI 10 -18 BN	3200137	482
AI 10 -18 RD	3200616	481
AI 16 -12 BU	3200564	481
AI 16 -12 GN	3201152	483
AI 16 -12 IV	3201181	482
AI 16 -12 WH	3200140	483
AI 16 -18 BU	3200629	481
AI 16 -18 GN	3201330	483
AI 16 -18 WH	3200153	483
AI 2,5-8 BU S1	1200108	415
AI 2,5-8 BU-B 1500	3240667	487
AI 25 -16 BK	3200412	482
AI 25 -16 BN	3201084	483
AI 25 -16 YE	3200577	481
AI 25 -18 YE	3201505	481
AI 25 -22 BK	3200739	482
AI 25 -22 YE	3200700	481
AI 35 -16 BE	3201071	483
AI 35 -16 RD	3200441	481
AI 35 -18 RD	3201495	481
AI 35 -25 RD	3200713	481
AI 50 -20 BU	3200454	481
AI 50 -20 OL	3201178	483
AI 50 -25 BU	3200726	481
AI 50-25 BK	3240678	483
AI 70 -20 YE	3201848	481
AI 95 -25 RD	3201853	481
AI SORTI BOX ANT	3202973	489
AI SORTI BOX RD	3202960	489
AI SORTI BOX-E LGY	3203008	489
AI-TWIN 2X 0,5 - 8 WH	3200933	486
AI-TWIN 2X 0,5-10 WH	3203309	486
AI-TWIN 2X 0,75- 8 BU	3240668	486
AI-TWIN 2X 0,75- 8 GY	3200807	486
AI-TWIN 2X 0,75-10 GY	3200975	486
AI-TWIN 2X 1 - 8 RD	3200810	486
AI-TWIN 2X 1 -10 RD	3200988	486
AI-TWIN 2X 1,5 - 8 BK	3200823	486
AI-TWIN 2X 1,5 -10 BK	3201534	486
AI-TWIN 2X 1,5 -12 BK	3200991	486
AI-TWIN 2X 2,5 -10 BU	3200836	486
AI-TWIN 2X 2,5 -10 GY	3240669	486
AI-TWIN 2X 2,5 -13 BU	3200878	486
AI-TWIN 2X 2,5 -16 BU	1200281	486
AI-TWIN 2X 4 -12 GY	3201000	486
AI-TWIN 2X 4 -12 OG	1213204	486

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Type	Order No.	Page
AI-TWIN 2X 6 -14 GN	1213205	486
AI-TWIN 2X 6 -14 YE	3201013	486
AI-TWIN 2X10 -14 BN	1213206	486
AI-TWIN 2X10 -14 RD	3201026	486
AI-TWIN 2X16 -16 BU	3202847	486
AI-TWIN 2X16 -16 WH	1213207	486
AI-TWIN 2X1-12 RD	3240679	486
AI-TWIN SORTI BOX BU	3202986	489
AI-TWIN SORTI BOX GY	3202999	489
AI-WM 0,5-8 WH	3240542	201
AI-WM 0,75-8 GY	3240543	201
AI-WM 1,5-8 WH	3240545	201
AI-WM 1-8 RD	3240544	201
AI-WM 2,5-8 BU	3240572	201
AI-XL 1,5- 8 BK	3201916	485
AI-XL 1,5-10 BK	3201974	485
AI-XL 2,5- 8 BU	3201929	485
AI-XL 2,5-12 BU	3201987	485
AI-XL 4 -10 GY	3201932	485
AI-XL 6 -12 YE	3201945	485
AI-XL 10 -12 RD	3201958	485
AI-XL 16 -12 BU	3201961	485
AI120 -27 BU	3201822	481
AK 4	0404017	554
AK 16	0404033	555
AK 35	0404046	555
AKG 4 BK	0421032	554
AKG 4 BK-EX	0421058	554
AKG 4 BU	0421016	554
AKG 4 BU-EX	0421061	554
AKG 4 GN	3062935	554
AKG 4 GNYE	0421029	554
AKG 4 GNYE-EX	0421045	554
AKG 4 RD	3062922	554
AKG 4 YE	3062948	554
AKG 16 BK	0423030	555
AKG 16 BU	0423014	555
AKG 16 GN	3062964	555
AKG 16 GNYE	0423027	555
AKG 16 GY	0423043	555
AKG 16 RD	3062951	555
AKG 16 YE	3062977	555
AKG 35 BK	0424039	555
AKG 35 BU	0424013	555
AKG 35 GN	3062993	555
AKG 35 GNYE	0424026	555
AKG 35 RD	3062980	555
AKG 35 YE	3063002	555
AP 2 METER	5022627	546
AP 2 CM	5022889	546
AP 2-TU	5022630	548
AP 2-TU KS	3034372	548
AP 3 METER	5022643	546
AP 3 CM	5022876	546
AP 3-TNS 32	5022669	548
AP 3-TNS 35	5022672	548
AP 3-TU	5022656	548
AP 3-TU KS	3034373	548
AP-ES	5022685	548
AP-ME METER	3034361	546
AP-ME CM	3034345	546
APH-ME	3034374	548
APK 1	5022795	551
APK-HP 2 METER	5022818	551
APK-TU	5022805	551
APT-ME	3034358	548
AZK 35	0702997	553

B

Type	Order No.	Page
B-STIFT	1051993	55
BF 6,3	1209936	453
BG/F	1201060	544
BG/F 1	1201112	544
BG/S	1201086	544
BG/SA	1201604	544
BG/SH	1201099	544
BG/SHA	1201594	544
BHN 5,5	1209965	453
BHN 8	1209978	453
BHN 10	1209981	453
BHN 13	1209994	453
BLUEMARK ID	1003334	33
BLUEMARK ID COLOR	1002329	33
BLUEMARK MAG AI-WM	5146567	201
BLUEMARK MAG AI-WM 2,5	5146640	201
BLUEMARK MAG EM-M (100X60)	0802742	295
BLUEMARK MAG EM-M (27X15)	0802736	295
BLUEMARK MAG EM-M (27X18)	0802737	295
BLUEMARK MAG EM-M (27X27)	1011801	295
BLUEMARK MAG EM-M (49X15)	0802738	295
BLUEMARK MAG EM-M (60X15)	0802739	295
BLUEMARK MAG EM-M (60X30)	0802740	295
BLUEMARK MAG EM-M (85,6X54)	0802741	295
BLUEMARK MAG UM-TM	0803335	168
BLUEMARK MAG WM-M (29X8)	0802743	192
BLUEMARK MAG WM-M (40X15)	0802744	192
BLUEMARK MAG WM-M (60X15)	0802746	192
BLUEMARK MAG WM-M (D30)	0802747	193
BM ID CASE	1049953	33
BM ID-ADAPTER PLATE-US	1044355	33
BM ID-CARDBOARD BOX	1044361	33
BM ID-CARTR. BK	1044345	33
BM ID-CARTR. CY	1044346	33
BM ID-CARTR. MA	1044347	33
BM ID-CARTR. YE	1044348	33
BM ID-CLEANING CARTR.	1044350	33
BM ID-DUMMY CARTR. BK	1044351	33
BM ID-DUMMY CARTR. CY	1044352	33
BM ID-DUMMY CARTR. MA	1044353	33
BM ID-DUMMY CARTR. YE	1044354	33
BM ID-MAG20	1044356	33
BM ID-MAG40	1044357	33
BMK 15X 9 YE	5031605	345
BMK 19X11 YE	5031582	345
BMK 20X 8 YE	5031388	345
BMK 38X11 YE	5031676	345
BMKL 12X12 WH	5032361	344
BMKL 15X 9 WH	0803663	344
BMKL 15X 9 YE	5032497	344
BMKL 16X 6 YE	0807096	344
BMKL 18X 6 WH	5032293	344
BMKL 18X 8 WH	5032329	344
BMKL 18X 8 YE	5032170	344
BMKL 19X11 YE	0800705	344
BMKL 20X 8 WH	5032280	344
BMKL 20X 8 YE	5032138	344
BMKL 25X 8 WH	5032332	344
BMKL 25X12 WH	5032374	344
BMKL 26,8X6,8 WH	0807106	344
BMKL 26X10 YE	0811516	344
BMKL 27X 8 SR	0803702	344
BMKL 27X12,5 SR	0803676	344
BMKL 27X18 SR	0803689	344
BMKL 27X27 SR	0803692	344
BMKL 50X12 WH	5032387	344
BMKL 64X16 WH	0821807	344
BMKL 64X16 YE	0821810	344
BMKL 64X34 WH	5032400	344

C

Type	Order No.	Page
C PX A 200X200X168	0899331	636
C PX A 200X300X168	0899332	636
C PX A 405X305X202	0899333	636
C PX A 605X405X252	0899334	636
C S4 A 1000X1000X300	0899688	635
C S4 A 200X200X160	0899569	629
C S4 A 200X300X160	0899581	629
C S4 A 260X260X160	0899573	629
C S4 A 260X260X210	0899634	632
C S4 A 260X300X200	0899628	631
C S4 A 260X380X160	0899593	629
C S4 A 260X380X210	0899640	632
C S4 A 300X300X160	0899585	629
C S4 A 300X300X200	0899630	631
C S4 A 300X300X210	0899637	632
C S4 A 300X500X160	0899613	629
C S4 A 350X500X160	0899621	629
C S4 A 350X500X210	0899652	632
C S4 A 380X380X160	0899597	629
C S4 A 382X458X160	0899605	629
C S4 A 382X458X210	0899646	632
C S4 A 400X260X160	0899577	629
C S4 A 400X300X160	0899589	629
C S4 A 400X500X160	0899617	629
C S4 A 400X650X260	0899677	635
C S4 A 450X620X160	0899625	629
C S4 A 450X620X210	0899658	632
C S4 A 480X480X160	0899609	629
C S4 A 480X480X210	0899649	632
C S4 A 500X400X160	0899601	629
C S4 A 508X762X210	0899664	632
C S4 A 508X762X300	0899680	635
C S4 A 550X740X210	0899661	632
C S4 A 600X400X200	0899633	631
C S4 A 600X400X210	0899643	632
C S4 A 600X600X210	0899655	632
C S4 A 600X600X300	0899678	635
C S4 A 600X650X240	0899676	634
C S4 A 600X800X300	0899682	635
C S4 A 610X914X210	0899670	632
C S4 A 640X860X210	0899667	632
C S4 A 740X980X210	0899673	632
C S4 A 740X980X300	0899686	635
C S4 A 800X800X300	0899684	635
C S6 A 1000X1000X300	0899138	635
C S6 A 200X200X160	0899047	629
C S6 A 200X300X160	0899053	629
C S6 A 260X260X160	0899049	629
C S6 A 260X260X210	0899084	632
C S6 A 260X300X200	0899081	631
C S6 A 260X380X160	0899059	629
C S6 A 260X380X210	0899090	632
C S6 A 300X300X160	0899055	629
C S6 A 300X300X200	0899082	631
C S6 A 300X300X210	0899087	632
C S6 A 300X500X160	0899069	629
C S6 A 350X500X160	0899073	629
C S6 A 350X500X210	0899102	632
C S6 A 380X380X160	0899061	629
C S6 A 382X458X160	0899065	629
C S6 A 382X458X210	0899096	632
C S6 A 400X260X160	0899051	629
C S6 A 400X300X160	0899057	629
C S6 A 400X500X160	0899071	629
C S6 A 400X650X260	0899127	635
C S6 A 450X620X160	0899075	629
C S6 A 450X620X210	0899108	632
C S6 A 480X480X160	0899067	629
C S6 A 480X480X210	0899099	632
C S6 A 500X400X160	0899063	629
C S6 A 508X762X210	0899114	632
C S6 A 508X762X300	0899130	635
C S6 A 550X740X210	0899111	632
C S6 A 600X400X200	0899083	631
C S6 A 600X400X210	0899093	632
C S6 A 600X600X210	0899105	632
C S6 A 600X600X300	0899128	635
C S6 A 600X650X240	0899126	634
C S6 A 600X800X300	0899132	635
C S6 A 610X914X210	0899120	632
C S6 A 640X860X210	0899117	632
C S6 A 740X980X210	0899123	632
C S6 A 740X980X300	0899136	635
C S6 A 800X800X300	0899134	635
C-BCI 1,5/2,8	3240015	497
C-BCI 1,5/4,6	3240568	497
C-BCI 2,5/2,8	3240046	497
C-BCI 2,5/4,6	3240569	497
C-BCI 6/2,8	3240047	497
C-BCI 6/4,6	3240570	497
C-BCSI 1,5/9X2,8	3240531	497
C-BCSI 2,5/9X2,8	3240532	497
C-BCSI 6/10X2,8	3240546	497
C-BCSI 6/18X4,5	3240533	497
C-FC 1,5/M3	3240137	494
C-FC 1,5/M3,5	3240138	494
C-FC 1,5/M4	3240139	494
C-FC 1,5/M5	3240140	494
C-FC 1,5/M6	3240141	494
C-FC 2,5/M3	3240142	494
C-FC 2,5/M3,5	3240143	494
C-FC 2,5/M4	3240144	494
C-FC 2,5/M5	3240145	494
C-FC 2,5/M6	3240146	494
C-FC 2,5/M8	3240147	494
C-FC 6/M4	3240148	494
C-FC 6/M5	3240149	494
C-FC 6/M6	3240150	494
C-FC 6/M8	3240151	494
C-FCI 1,5/M3	3240032	495
C-FCI 1,5/M3,5	3240033	495
C-FCI 1,5/M4	3240034	495
C-FCI 1,5/M5	3240035	495
C-FCI 1,5/M6	3240036	495
C-FCI 2,5/M3	3240037	495
C-FCI 2,5/M3,5	3240038	495
C-FCI 2,5/M4	3240039	495
C-FCI 2,5/M5	3240040	495
C-FCI 2,5/M6	3240041	495
C-FCI 6/M4	3240042	495
C-FCI 6/M5	3240043	495
C-FCI 6/M6	3240044	495
C-FCI 6/M8	3240045	495
C-JCI 1,5	3240061	501
C-JCI 2,5	3240062	501
C-JCI 6	3240063	501
C-PCEI 1,5/2	3241215	496
C-PCEI 2,5/2	3241216	496
C-PCEI 6/2	3241217	496
C-PCI 1,5/2	3240064	496
C-PCI 2,5/2	3240066	496
C-PCI 6/2,7	3240068	496
C-RC 1/M2,5 DIN	3240069	490
C-RC 1/M3 DIN	3240070	490
C-RC 1/M3,5 DIN	3240071	490
C-RC 1/M4 DIN	3240072	490
C-RC 1/M5 DIN	3240073	490
C-RC 1/M6 DIN	3240074	490
C-RC 1/M8 DIN	3240075	490
C-RC 10/M10 DIN	3240092	490
C-RC 10/M12 DIN	3240093	490
C-RC 10/M5 DIN	3240089	490
C-RC 10/M6 DIN	3240090	490
C-RC 10/M8 DIN	3240091	490
C-RC 120/M10 DIN	3240125	491
C-RC 120/M12 DIN	3240126	491
C-RC 120/M8 DIN	3240124	491
C-RC 150/M10 DIN	3240128	491
C-RC 150/M12 DIN	3240129	491
C-RC 150/M16 DIN	3240130	491
C-RC 16/M10 DIN	3240097	490
C-RC 16/M12 DIN	3240098	490
C-RC 16/M5 DIN	3240094	490
C-RC 16/M6 DIN	3240095	490
C-RC 16/M8 DIN	3240096	490
C-RC 185/M10 DIN	3240131	491
C-RC 185/M12 DIN	3240132	491
C-RC 185/M16 DIN	3240133	491
C-RC 2,5/M10 DIN	3240082	490
C-RC 2,5/M3 DIN	3240076	490
C-RC 2,5/M3,5 DIN	3240077	490
C-RC 2,5/M4 DIN	3240078	490
C-RC 2,5/M5 DIN	3240079	490
C-RC 2,5/M6 DIN	3240080	490
C-RC 2,5/M8 DIN	3240081	490
C-RC 240/M10 DIN	3240134	491
C-RC 240/M12 DIN	3240135	491
C-RC 240/M16 DIN	3240136	491
C-RC 25/M10 DIN	3240102	490
C-RC 25/M12 DIN	3240103	490
C-RC 25/M16 DIN	3240104	490
C-RC 25/M5 DIN	3240099	490
C-RC 25/M6 DIN	3240100	490
C-RC 25/M8 DIN	3240101	490
C-RC 35/M10 DIN	3240107	490
C-RC 35/M12 DIN	3240108	490

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Alphabetical

Type	Order No.	Page
C-RC 35/M16 DIN	3240109	490
C-RC 35/M6 DIN	3240105	490
C-RC 35/M8 DIN	3240106	490
C-RC 50/M10 DIN	3240112	490
C-RC 50/M12 DIN	3240113	490
C-RC 50/M16 DIN	3240114	490
C-RC 50/M6 DIN	3240110	490
C-RC 50/M8 DIN	3240111	490
C-RC 6/M10 DIN	3240087	490
C-RC 6/M12 DIN	3240088	490
C-RC 6/M4 DIN	3240083	490
C-RC 6/M5 DIN	3240084	490
C-RC 6/M6 DIN	3240085	490
C-RC 6/M8 DIN	3240086	490
C-RC 70/M10 DIN	3240117	490
C-RC 70/M12 DIN	3240118	490
C-RC 70/M16 DIN	3240119	490
C-RC 70/M6 DIN	3240115	490
C-RC 70/M8 DIN	3240116	490
C-RC 95/M10 DIN	3240121	491
C-RC 95/M12 DIN	3240122	491
C-RC 95/M16 DIN	3240123	491
C-RC 95/M8 DIN	3240120	491
C-RCEI 1,5/M3	3241201	493
C-RCEI 1,5/M3,5	3241202	493
C-RCEI 1,5/M4	3241203	493
C-RCEI 1,5/M5	3241204	493
C-RCEI 1,5/M6	3241205	493
C-RCEI 2,5/M3,5	3241206	493
C-RCEI 2,5/M4	3241207	493
C-RCEI 2,5/M5	3241208	493
C-RCEI 2,5/M6	3241209	493
C-RCEI 2,5/M8	3241210	493
C-RCEI 6/M10	3241214	493
C-RCEI 6/M5	3241211	493
C-RCEI 6/M6	3241212	493
C-RCEI 6/M8	3241213	493
C-RCI 1,5/M3	3240016	492
C-RCI 1,5/M3,5	3240017	492
C-RCI 1,5/M4	3240018	492
C-RCI 1,5/M5	3240019	492
C-RCI 1,5/M6	3240020	492
C-RCI 10/M10	3240222	492
C-RCI 10/M5	3240219	492
C-RCI 10/M6	3240220	492
C-RCI 10/M8	3240221	492
C-RCI 2,5/M3	3240021	492
C-RCI 2,5/M3,5	3240022	492
C-RCI 2,5/M4	3240023	492
C-RCI 2,5/M5	3240024	492
C-RCI 2,5/M6	3240025	492
C-RCI 2,5/M8	3240026	492
C-RCI 6/M10	3240031	492
C-RCI 6/M4	3240027	492
C-RCI 6/M5	3240028	492
C-RCI 6/M6	3240029	492
C-RCI 6/M8	3240030	492
C-SCF 1,5/4,8X0,5	3240154	498
C-SCF 1,5/4,8X0,8	3240155	498
C-SCF 1,5/6,3X0,8	3240156	498
C-SCF 1/2,8X0,8	3240153	498
C-SCF 2,5/4,8X0,5	3240157	498
C-SCF 2,5/4,8X0,8	3240158	498
C-SCF 2,5/6,3X0,8	3240159	498
C-SCF 6/6,3X0,8	3240160	498
C-SCFFI 1,5/2,8X0,5	3240534	500
C-SCFFI 1,5/2,8X0,8	3240535	500
C-SCFFI 1,5/4,8X0,5	3240536	500
C-SCFFI 1,5/4,8X0,8	3240537	500
C-SCFFI 1,5/6,3X0,8	3240538	500
C-SCFFI 2,5/4,8X0,5	3240539	500
C-SCFFI 2,5/4,8X0,8	3240540	500
C-SCFFI 2,5/6,3X0,8	3240547	500
C-SCFFI 6/6,3X0,8	3240541	500
C-SCFI 1,5/2,8X0,5	3240048	499
C-SCFI 1,5/2,8X0,8	3240049	499
C-SCFI 1,5/4,8X0,5	3240050	499
C-SCFI 1,5/4,8X0,8	3240051	499
C-SCFI 1,5/6,3X0,8	3240052	499
C-SCFI 2,5/4,8X0,5	3240053	499
C-SCFI 2,5/4,8X0,8	3240054	499
C-SCFI 2,5/6,3X0,8	3240055	499
C-SCFI 6/6,3X0,8	3240056	499
C-SCFMI 1,5/6,3X0,8	3240529	500
C-SCFMI 2,5/6,3X0,8	3240530	500
C-SCM 1,5/6,3X0,8	3240161	498
C-SCM 2,5/6,3X0,8	3240162	498
C-SCMI 1,5/6,3X0,8	3240058	499
C-SCMI 2,5/6,3X0,8	3240059	499
C-SCMI 6/6,3X0,8	3240060	499
C1 S4 A 1000X1000X300	0899689	635
C1 S4 A 200X200X160	0899570	629
C1 S4 A 200X300X160	0899582	629
C1 S4 A 260X260X160	0899574	629
C1 S4 A 260X260X210	0899635	633
C1 S4 A 260X380X160	0899594	629
C1 S4 A 260X380X210	0899641	633
C1 S4 A 300X300X160	0899586	629
C1 S4 A 300X300X210	0899638	633
C1 S4 A 300X500X160	0899614	629
C1 S4 A 350X500X160	0899622	629
C1 S4 A 350X500X210	0899653	633
C1 S4 A 380X380X160	0899598	629
C1 S4 A 382X458X160	0899606	629
C1 S4 A 382X458X210	0899647	633
C1 S4 A 400X260X160	0899578	629
C1 S4 A 400X300X160	0899590	629
C1 S4 A 400X500X160	0899618	629
C1 S4 A 450X620X160	0899626	629
C1 S4 A 450X620X210	0899659	633
C1 S4 A 480X480X160	0899610	629
C1 S4 A 480X480X210	0899650	633
C1 S4 A 500X400X160	0899602	629
C1 S4 A 508X762X210	0899665	633
C1 S4 A 508X762X300	0899681	635
C1 S4 A 550X740X210	0899662	633
C1 S4 A 600X400X210	0899644	633
C1 S4 A 600X600X210	0899656	633
C1 S4 A 600X600X300	0899679	635
C1 S4 A 600X800X300	0899683	635
C1 S4 A 610X914X210	0899671	633
C1 S4 A 640X860X210	0899668	633
C1 S4 A 740X980X210	0899674	633
C1 S4 A 740X980X300	0899687	635
C1 S4 A 800X800X300	0899685	635
C1 S6 A 1000X1000X300	0899139	635
C1 S6 A 200X200X160	0899048	629
C1 S6 A 200X300X160	0899054	629
C1 S6 A 260X260X160	0899050	629
C1 S6 A 260X260X210	0899085	633
C1 S6 A 260X380X160	0899060	629
C1 S6 A 260X380X210	0899091	633
C1 S6 A 300X300X160	0899056	629
C1 S6 A 300X300X210	0899088	633
C1 S6 A 300X500X160	0899070	629
C1 S6 A 350X500X160	0899074	629
C1 S6 A 350X500X210	0899103	633
C1 S6 A 380X380X160	0899062	629
C1 S6 A 382X458X160	0899066	629
C1 S6 A 382X458X210	0899097	633
C1 S6 A 400X260X160	0899052	629
C1 S6 A 400X300X160	0899058	629
C1 S6 A 400X500X160	0899072	629
C1 S6 A 450X620X160	0899076	629
C1 S6 A 450X620X210	0899109	633
C1 S6 A 480X480X160	0899068	629
C1 S6 A 480X480X210	0899100	633
C1 S6 A 500X400X160	0899064	629
C1 S6 A 508X762X210	0899115	633
C1 S6 A 508X762X300	0899131	635
C1 S6 A 550X740X210	0899112	633
C1 S6 A 600X400X210	0899094	633
C1 S6 A 600X600X210	0899106	633
C1 S6 A 600X600X300	0899129	635
C1 S6 A 600X800X300	0899133	635
C1 S6 A 610X914X210	0899121	633
C1 S6 A 640X860X210	0899118	633
C1 S6 A 740X980X210	0899124	633
C1 S6 A 740X980X300	0899137	635
C1 S6 A 800X800X300	0899135	635
C3 S4 A 260X260X210	0899636	633
C3 S4 A 260X380X210	0899642	633
C3 S4 A 300X300X210	0899639	633
C3 S4 A 350X500X210	0899654	633
C3 S4 A 382X458X210	0899648	633
C3 S4 A 450X620X210	0899660	633
C3 S4 A 480X480X210	0899651	633
C3 S4 A 508X762X210	0899666	633
C3 S4 A 550X740X210	0899663	633
C3 S4 A 600X400X210	0899645	633
C3 S4 A 600X600X210	0899657	633
C3 S4 A 610X914X210	0899672	633
C3 S4 A 640X860X210	0899669	633
C3 S4 A 740X980X210	0899675	633
C3 S6 A 260X260X210	0899086	633
C3 S6 A 260X380X210	0899092	633
C3 S6 A 300X300X210	0899089	633
C3 S6 A 350X500X210	0899104	633
C3 S6 A 382X458X210	0899098	633
C3 S6 A 450X620X210	0899110	633
C3 S6 A 480X480X210	0899101	633
C3 S6 A 508X762X210	0899116	633
C3 S6 A 550X740X210	0899113	633
C3 S6 A 600X400X210	0899095	633
C3 S6 A 600X600X210	0899107	633
C3 S6 A 610X914X210	0899122	633
C3 S6 A 640X860X210	0899119	633
C3 S6 A 740X980X210	0899125	633
CARRIER-EMLP 22 (27X12,5)	0828985	349
CARRIER-EMLP 22 (27X15)	0828986	349
CARRIER-EMLP 22 (27X18)	0828987	349
CARRIER-EMLP 22 (27X27)	0828988	349
CARRIER-EMLP 22 (27X8)	0828984	349
CARRIER-EMP (1000X15) COVER	0829520	350
CARRIER-EMP (1000X15) GY	0829366	350
CARRIER-EMP (1000X15) TR	0829530	350
CARRIER-EMP (17X15)	0827450	348
CARRIER-EMP (27X15)	0827451	348
CARRIER-EMP (49X15)	0827452	348
CARRIER-EMP (60X15)	0827453	348
CARRIER-EMP (60X30)	0827454	348
CARRIER-EMP (85,6X54)	0829365	348
CARRIER-EMP 22 (27X12,5)	0827446	348
CARRIER-EMP 22 (27X15)	0827447	348
CARRIER-EMP 22 (27X18)	0827448	348
CARRIER-EMP 22 (27X27)	0827449	348
CARRIER-EMP 22 (27X8)	0827445	348
CARRIER-PMP (110X38)	0831056	362
CARRIER-PMP-ENCLOSED (110X38)	0831068	363
CARRIER-TM 300	0828282	154
CARRIER-TMD 300	0828693	154
CARRIER-TMH 300	0830670	154
CARRIER/L-EMP (1000X15) GY	0829559	350
CARRIER/L-EMP (1000X15) TR	0829560	350
CARRIER/L-PMP-ENCLOSED (110X38)	0831062	363
CD 100X100	3240205	581
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CD-HF 60X60	3240353	579
CD-HF 60X60 BU	3240595	579
CD-HF 60X80	3240354	579
CD-HF 60X80 BU	3240596	579
CD-HF 80X100	3240360	579
CD-HF 80X100 BU	3240602	579
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CF 1000 LOC0,5 GB	1212907	516
CF 1000 LOC0,75 GB	1212908	516
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CF 1000 LOC1,5 GB	1212910	516
CF 1000 SORT0,34	1206890	516
CF 1000 SORT1,5	1204326	516
CF 1000 SORT4,0	1206887	516
CF 1000 VEP1,5 GB	1206901	516
CF 1000-1,5	1208199	439
CF 1000-10	1212456	517
CF 1000-10 EM10	1212665	517
CF 1000-10 EM6,0	1212664	517
CF 1000-10-TOOLKIT 10/12	1212460	517
CF 1000-10-TOOLKIT 4/10-12	1212458	517
CF 1000-10-TOOLKIT 6/12	1212459	517
CF 1000-TOOLKIT 0,34/6-8	1208226	516
CF 1000-TOOLKIT 2,5/6-12	1208242	516
CF 1000-TOOLKIT 4,0/10	1208271	516
CF 3000 AB 0,25	1212380	514
CF 3000 AM 0,5	1205587	514
CF 3000 AM 0,75	1205590	514
CF 3000 AM 1,0	1205600	514
CF 3000 AM 1,5	1205613	514
CF 3000 AM 2,5	1205626	514
CF 3000 LOC 0,25	1212377	514
CF 3000 LOC 0,5	1205639	514
CF 3000 LOC 0,75	1205642	514
CF 3000 LOC 1,0	1205655	514
CF 3000 LOC 1,5	1205668	514
CF 3000 LOC 2,5	1205671	514
CF 3000-2,5	1205477	438
CF 3000-2,5 120V	1205516	438
CF 3000-TOOLKIT 0,25	1212376	514
CF 500-120V	1208351	438
CF 500-230V	1208348	438
CF 500/COV	1212250	510
CF 500/COV AI 6	1212254	510
CF 500/COV AI TWIN	1212266	510
CF 500/COV FBS	1212462	510
CF 500/COV RC 10	1212252	510
CF 500/COV RCI	1212255	510
CF 500/COV RCT 4	1212253	510
CF 500/COV SC	1212251	510
CF 500/DIE AI 6	1212238	511
CF 500/DIE AI 25	1212239	511
CF 500/DIE AI 50	1212261	511
CF 500/DIE AI-TWIN 10	1212262	511
CF 500/DIE AI-TWIN 16	1200299	511
CF 500/DIE FBS	1212461	511
CF 500/DIE RC 10	1212244	511
CF 500/DIE RC 16	1212257	511
CF 500/DIE RCI 1,5	1212263	511
CF 500/DIE RCI 6	1212240	511
CF 500/DIE RCI 6-1	1212691	511
CF 500/DIE RCT 10-1	1212245	511
CF 500/DIE RCT 10-2	1212246	511
CF 500/DIE RCT 10-3	1212256	511
CF 500/DIE RCT 4	1212243	511
CF 500/DIE SC 1,5	1212241	511
CF 500/DIE SC 6	1212242	511
CF 500/DIE SR 6-2	1212692	511
CF 500/DIE TC 4	1212237	511
CF 500/DIE TC 10	1212260	511
CF 500/LOC SCF 2,8/1,5	1212249	510
CF 500/LOC SCF 4,8/2,5	1212248	510
CF 500/LOC SCF 6,3/6	1212247	510
CF 500/LOC SCM 6,3/2,5	1212264	510
CF 500/LOC SCM 6,3/6	1212265	510
CF CRIMPHANDY 0,5	1212463	440
CF CRIMPHANDY 0,5 SET	1003673	469
CF CRIMPHANDY 0,5/GP2	1212515	440
CF CRIMPHANDY 0,5/SERVICE-TOOL	1212787	440
CF CRIMPHANDY 0,75	1212464	441
CF CRIMPHANDY 0,75 SET	1003672	469
CF CRIMPHANDY 0,75/GP2	1212516	441
CF CRIMPHANDY 0,75/SERVICE-TOOL	1212786	441
CF CRIMPHANDY 1,0	1212465	441
CF CRIMPHANDY 1,0 SET	1003671	469
CF CRIMPHANDY 1,0/GP2	1212517	441
CF CRIMPHANDY 1,0/SERVICE-TOOL	1212759	441
CF CRIMPHANDY 1,5	1212466	441
CF CRIMPHANDY 1,5 SET	1003670	469
CF CRIMPHANDY 1,5/GP2	1212844	441
CF CRIMPHANDY 1,5/SERVICE-TOOL	1212708	441
CF CRIMPHANDY CUTTER	1212520	440
CF CRIMPHANDY/ACCU	1212518	440
CF CRIMPHANDY/CHARGER	1212519	440
CF CRIMPHANDY/GP1	1212514	440
CF-10 CUTTER KNIFE SET	1207284	506
CF-10 WHEEL SET	1207271	506
CF-10 WHEEL SET PU	1200098	506
CF-10 WHEEL SET STEEL	1200099	506
CGS 50	3071400	578
CGS-AH 50 SET	3071410	578
CGSA 50	3071401	578
CLEANING STICK	5146697	35
CLIPFIX 15	3022263	538
CLIPFIX 35	3022218	538
CLIPFIX 35 WH	0802723	538
CLIPFIX 35-5	3022276	538
CLIPFIX 35-5 V0	3032350	538
CMS-DISPOSABLE-PEN 0,25 TR	5146685	53
CMS-DISPOSABLE-PEN 0,35 TR	5146686	53
CMS-INK-TR-C5	5146684	53
CMS-P1-M/BN-ZB	5144725	52
CMS-P1-M/GPE	5144754	52
CMS-P1-M/GPE ENGRAVING	5145711	52
CMS-P1-M/GPE-PAD	5144880	52
CMS-P1-M/LBHZ	5144738	52
CMS-P1-M/PAB	5144741	52
CMS-P1-M/SS-ZB	5144712	52
CMS-P1-M/ZB	5144699	52
CMS-P1-M/ZBF	5144709	52
CMS-P1-M/ZBFM	5144686	52
CMS-P1-M/ZBM	5144660	52
CMS-P1-PAD	5144819	52
CMS-P1-PAD/SPARE	5144893	52
CMS-P1-PENDEPOT	5144835	50
CMS-P1-PLOTTER	5144615	346
CMS-P1-PREPLATES	5145135	50
CMS-P1-WMU-ADAPTER	5144822	52
CMS-PEN 0,25	5067815	53
CMS-PEN 0,35	5067828	53
CMS-PEN 0,50	5067831	53
CMS-R-FLUID-TR	5146750	53
CMS-R-FLUID-TR-C2	5146752	53
CMS-R-SET-TR	5146751	53
CRIMPFOX 10	1212721	417
CRIMPFOX 16R TWIN	1212845	421
CRIMPFOX 16R TWIN/DIE	1212846	421
CRIMPFOX 2,5-M	1212719	416
CRIMPFOX 25R	1212039	421
CRIMPFOX 25R CUS	1212765	473
CRIMPFOX 25R/DIE	1212040	421
CRIMPFOX 4 IN 1	1200101	415
CRIMPFOX 4 IN 1 SET	1200102	415
CRIMPFOX 4 IN 1/MAG	1200103	415
CRIMPFOX 50R	1212041	421
CRIMPFOX 50R CUS	1212766	473
CRIMPFOX 50R/DIE	1212042	421
CRIMPFOX 6	1212034	417
CRIMPFOX 6 CUS	1212767	473
CRIMPFOX 6-M	1212720	417
CRIMPFOX 6/DIE	1212035	417
CRIMPFOX 6S-F	1212043	419
CRIMPFOX 6S-F CUS	1212769	473
CRIMPFOX 6T CUS	1212770	473
CRIMPFOX 6T-F	1212038	419
CRIMPFOX 6T-F CUS	1212771	473
CRIMPFOX CENTRUS 10H	1213156	420
CRIMPFOX CENTRUS 10H CUS	1213176	475
CRIMPFOX CENTRUS 10S	1213154	420
CRIMPFOX CENTRUS 10S CUS	1213174	475
CRIMPFOX CENTRUS 10S SET	1026994	467
CRIMPFOX CENTRUS 6H	1213146	420
CRIMPFOX CENTRUS 6H CUS	1213166	475
CRIMPFOX CENTRUS 6S	1213144	420
CRIMPFOX CENTRUS 6S CUS	1213164	475
CRIMPFOX CENTRUS 6S SET	1213999	467
CRIMPFOX DUO 10	1031721	418
CRIMPFOX DUO 10 CUS	1044970	475
CRIMPFOX DUO 10 SET	1044971	418
CRIMPFOX-C 10P/DIE	1212739	437
CRIMPFOX-C D	1212734	437
CRIMPFOX-C MMJ/DIE	1212740	437
CRIMPFOX-C RJ11/DIE	1212735	437
CRIMPFOX-C RJ22/DIE	1212736	437
CRIMPFOX-C RJ45/DIE	1212737	437
CRIMPFOX-C RJ45U/DIE	1212738	437
CRIMPFOX-C120	1212318	427
CRIMPFOX-C120 AI 120/DIE	1209910	427
CRIMPFOX-C120 AI 50/F-DIE	1212337	427
CRIMPFOX-C120 AI 70/F-DIE	1212338	427
CRIMPFOX-C120 AI 70/M-DIE	1212335	427
CRIMPFOX-C120 AI 95/F-DIE	1212339	427
CRIMPFOX-C120 AI 95/M-DIE	1212336	427
CRIMPFOX-C120 R25-50/DIE	1212324	427
CRIMPFOX-C120 R35-70/DIE	1212325	427
CRIMPFOX-C120 R95/DIE	1212326	427
CRIMPFOX-C120 RC 35/F-DIE	1212332	427
CRIMPFOX-C120 RC 50/F-DIE	1212333	427
CRIMPFOX-C120 RC 70/F-DIE	1212334	427
CRIMPFOX-C120 RC 70/M-DIE	1212331	427
CRIMPFOX-C120 RCI 10/DIE	1212327	427
CRIMPFOX-C120 RCI 16/DIE	1212328	427
CRIMPFOX-C120 RCI 25/DIE	1212329	427
CRIMPFOX-C120 RCI 35/DIE	1212330	427
CRIMPFOX-C120 RCT 120-1/DIE	1212323	427
CRIMPFOX-C120 RCT 35-1/DIE	1212320	427
CRIMPFOX-C120 RCT 50-1/DIE	1212321	427
CRIMPFOX-C120 RCT 70-1/DIE	1212319	427
CRIMPFOX-C120 RCT 95-1/DIE	1212322	427
CRIMPFOX-C50	1212340	427
CRIMPFOX-C50 R25-35/DIE	1212349	427
CRIMPFOX-C50 R35-50/DIE	1212350	427
CRIMPFOX-C50 R50-70/DIE	1212351	427
CRIMPFOX-C50 RC 25/F-DIE	1212344	427
CRIMPFOX-C50 RC 35/F-DIE	1212345	427
CRIMPFOX-C50 RC 35/M-DIE	1212343	427
CRIMPFOX-C50 RCI 10/DIE	1212346	427
CRIMPFOX-C50 RCI 16/DIE	1212347	427
CRIMPFOX-C50 RCI 25/DIE	1212348	427
CRIMPFOX-C50 RCT 35-1/DIE	1212341	427
CRIMPFOX-C50 RCT 50-1/DIE	1212342	427
CRIMPFOX-CATV 8,23	1212716	434
CRIMPFOX-CATV 8,23-1	1212717	434
CRIMPFOX-CX 10,54	1212097	433
CRIMPFOX-CX 10,90-1	1212715	433
CRIMPFOX-CX 4,52	1212094	433
CRIMPFOX-CX 4,52-M	1212713	433
CRIMPFOX-CX 5,41-M	1212712	433
CRIMPFOX-CX 6,48	1212095	433
CRIMPFOX-CX 6,48-M	1212714	433
CRIMPFOX-CX 7,06 HD-M	1212718	433
CRIMPFOX-CX 9,14	1212096	433
CRIMPFOX-DSUB 5	1212111	434
CRIMPFOX-DSUB 5-1	1212711	434
CRIMPFOX-FO 5,41	1212099	434
CRIMPFOX-HS 6	1212722	423
CRIMPFOX-M	1212072	435
CRIMPFOX-M 10/DIE	1212080	436
CRIMPFOX-M 25/DIE	1212081	436
CRIMPFOX-M 50/DIE	1212082	436
CRIMPFOX-M CX-1/DIE	1212087	436
CRIMPFOX-M CX-2/DIE	1212088	436
CRIMPFOX-M CX-3/DIE	1212089	436
CRIMPFOX-M CX-4/DIE	1212745	436
CRIMPFOX-M CX-5/DIE	1212746	436
CRIMPFOX-M CX-6/DIE	1212747	436
CRIMPFOX-M CX-7/DIE	1212748	436
CRIMPFOX-M CX-8/DIE	1212749	436
CRIMPFOX-M HS-1/DIE	1212282	436
CRIMPFOX-M HS/DIE	1219092	436
CRIMPFOX-M RC 10-1/DIE	1212744	436
CRIMPFOX-M RC 10/DIE	1212077	436
CRIMPFOX-M RC 2,5/DIE	1212078	436
CRIMPFOX-M RC 6/DIE	1212079	436
CRIMPFOX-M RCI 2,5/DIE	1212074	436
CRIMPFOX-M RCI 6/DIE	1212073	436
CRIMPFOX-M RJ11/DIE	1212091	436
CRIMPFOX-M RJ45/DIE	1212090	436
CRIMPFOX-M SC 1/DIE	1212083	436
CRIMPFOX-M SC 2,5/DIE	1212084	436
CRIMPFOX-M SC 6-FL/DIE	1212741	436
CRIMPFOX-M SC 6/DIE	1212085	436
CRIMPFOX-M SCA 2,5-1/DIE	1212743	436
CRIMPFOX-M SCA 2,5/DIE	1212742	436
CRIMPFOX-M SET	1212093	435
CRIMPFOX-M SR 6-1/DIE	1212471	436
CRIMPFOX-M SR 6-2/DIE	1212472	436
CRIMPFOX-M SR 6-3/DIE	1212473	436
CRIMPFOX-M TC 10/DIE	1212076	436
CRIMPFOX-M TC 4/DIE	1212075	436
CRIMPFOX-P CC 0.75 L	1064998	430
CRIMPFOX-P CK 1.6 ER 2.5 OIC-L	1069228	430
CRIMPFOX-P SR 6	1212755	435
CRIMPFOX-RC 10	1212061	425
CRIMPFOX-RC 10 CUS	1212776	474
CRIMPFOX-RC 2,5	1212063	424
CRIMPFOX-RC 2,5 CUS	1212777	473
CRIMPFOX-RC 2,5-M	1212723	424
CRIMPFOX-RC 2,5/DIE	1212064	424
CRIMPFOX-RC 25	1212065	426
CRIMPFOX-RC 25 CUS	1212778	474
CRIMPFOX-RC 25/DIE	1212299	426
CRIMPFOX-RC 6	1212710	425
CRIMPFOX-RC 6-M	1212724	424
CRIMPFOX-RCI 1	1212055	422
CRIMPFOX-RCI 1 CUS	1212772	473
CRIMPFOX-RCI 1-M	1212727	422
CRIMPFOX-RCI 1/DIE	1212056	422
CRIMPFOX-RCI 2,5	1212053	422
CRIMPFOX-RCI 2,5 CUS	1212773	473
CRIMPFOX-RCI 2,5-M	1212728	423
CRIMPFOX-RCI 2,5/DIE	1212054	422
CRIMPFOX-RCI 6	1212057	423
CRIMPFOX-RCI 6 CUS	1212774	473
CRIMPFOX-RCI 6-1	1212059	423
CRIMPFOX-RCI 6-1 CUS	1212775	473
CRIMPFOX-RCI 6-1/DIE	1212290	423
CRIMPFOX-RCI 6-M	1212730	423
CRIMPFOX-RCI 6/DIE	1212058	423
CRIMPFOX-RCI DIN 6	1212729	423
CRIMPFOX-RCT 16-1	1212731	426
CRIMPFOX-RCT 25-1	1212066	426
CRIMPFOX-RCT 70-1	1212732	426
CRIMPFOX-SC 1,5	1212048	428
CRIMPFOX-SC 1,5 CUS	1212779	473
CRIMPFOX-SC 1,5-M	1212725	428
CRIMPFOX-SC 1,5/DIE	1212049	428
CRIMPFOX-SC 6	1212050	429
CRIMPFOX-SC 6 CUS	1212780	474
CRIMPFOX-SC 6/DIE	1212051	429
CRIMPFOX-SC 6L	1212052	429
CRIMPFOX-SCA 2,5-M	1212726	429
CRIMPFOX-SR 6-1	1212467	435
CRIMPFOX-SR 6-2	1212468	435

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Type	Order No.	Page
CRIMPFOX-SR 6-3	1212469	435
CRIMPFOX-TC 10	1212114	432
CRIMPFOX-TC 10/DIE	1212296	432
CRIMPFOX-TC 4	1212113	432
CRIMPFOX-TC 4/DIE	1212295	432
CRIMPFOX-TC MP	1212510	432
CRIMPFOX-TC MP-1	1212620	432
CRIMPFOX/ SPR-1	1212069	416
CRIMPFOX/ SPR-3	1212036	417
CRIMPFOX/ SPR-4	1200288	418
CRIMPSET 6	1202072	471
CRIMPSET 6/25 LEER	1204041	471
CRIMPSET 25	1202580	471
CUTFOX 10	1206829	393
CUTFOX 10 BAR	1208416	506
CUTFOX 10 C-UN	1208393	506
CUTFOX 10 R-C	1208403	506
CUTFOX 100	1212135	391
CUTFOX 12	1212128	390
CUTFOX 16 VDE	1212126	392
CUTFOX 18	1212129	390
CUTFOX 25	1212130	391
CUTFOX 25 VDE	1212127	392
CUTFOX 35	1212131	391
CUTFOX 45	1212132	390
CUTFOX 50 STEEL	1212526	390
CUTFOX 50 STEEL/SB	1200291	390
CUTFOX 52	1212133	390
CUTFOX 62	1212134	391
CUTFOX FB	1205985	392
CUTFOX-CD	1212474	399
CUTFOX-CD/ES 90	1200289	399
CUTFOX-ES	1212621	390
CUTFOX-FBS	1212124	392
CUTFOX-LB VDE	1212527	392
CUTFOX-S VDE	1212207	393
CUTFOX-S VDE M	1212830	393
CUTFOX-SE	1212832	394
CUTFOX-SE LM	1212833	394
CUTFOX-SP BOLT VDE	1212831	394
CUTFOX-SP VDE	1212206	394

D

Type	Order No.	Page
D PX A 177X177X145	0899324	640
D PX A 360X177X145	0899325	640
D PX A 360X360X145	0899326	640
DUSPOL EXPERT	1209091	463

E

Type	Order No.	Page
E AB A 130X80X60 12MPT	3001999	647
E AB A 130X80X60 12TB	3002003	649
E AB A 180X130X100 20PT	3002001	647
E AB A 180X130X100 20TB	3002004	649
E AB A 85X83X60 6MPT	3001998	646
E AB A 85X83X60 6TB	3002002	648
E PE A 100X320X81	0899347	644
E PE A 120X122X91	0899348	644
E PE A 120X220X91	0899349	644
E PE A 160X160X91	0899350	644
E PE A 160X260X91	0899351	644
E PE A 160X360X91	0899352	644
E PE A 160X560X91	0899353	644
E PE A 250X255X121	0899354	644
E PE A 250X255X161	0899355	644
E PE A 250X400X121	0899356	644
E PE A 250X400X161	0899357	644
E PE A 250X600X121	0899358	644
E PE A 360X360X91	0899359	644
E PE A 405X400X121	0899360	644
E PE A 405X400X201	0899361	644
E PE A 55X55X37	0899335	644
E PE A 55X55X59	0899336	644
E PE A 75X110X56	0899339	644
E PE A 75X110X75	0899340	644
E PE A 75X160X56	0899341	644
E PE A 75X160X75	0899342	644
E PE A 75X190X56	0899343	644
E PE A 75X190X75	0899344	644
E PE A 75X230X56	0899345	644
E PE A 75X230X75	0899346	644
E PE A 75X80X56	0899337	644
E PE A 75X80X75	0899338	644
E PX A 120X122X91	0899310	638
E PX A 120X220X91	0899311	638
E PX A 160X160X91	0899312	638
E PX A 160X260X91	0899313	638
E PX A 160X360X91	0899314	638
E PX A 160X560X91	0899315	638
E PX A 250X255X121	0899316	638
E PX A 250X255X161	0899317	638
E PX A 250X400X121	0899318	638
E PX A 250X400X161	0899319	638
E PX A 250X600X121	0899320	638
E PX A 360X360X91	0899321	638
E PX A 405X400X121	0899322	638
E PX A 405X400X201	0899323	638
E PX A 75X110X56	0899302	638
E PX A 75X110X75	0899303	638
E PX A 75X160X56	0899304	638
E PX A 75X160X75	0899305	638
E PX A 75X190X56	0899306	638
E PX A 75X190X75	0899307	638
E PX A 75X230X56	0899308	638
E PX A 75X230X75	0899309	638
E PX A 75X80X56	0899300	638
E PX A 75X80X75	0899301	638
E S4 A 100X100X80	0899550	626
E S4 A 120X120X100	0899559	626
E S4 A 150X100X80	0899551	626
E S4 A 150X150X100	0899560	627
E S4 A 150X150X80	0899553	627
E S4 A 200X100X80	0899552	626
E S4 A 200X150X80	0899554	627
E S4 A 200X200X120	0899561	627
E S4 A 200X200X160	0899567	628
E S4 A 200X200X80	0899557	627
E S4 A 200X300X120	0899565	627
E S4 A 200X300X160	0899579	628
E S4 A 260X260X160	0899571	628
E S4 A 260X300X200	0899627	630
E S4 A 260X380X160	0899591	628
E S4 A 300X150X80	0899555	627
E S4 A 300X200X120	0899562	627
E S4 A 300X200X80	0899558	627
E S4 A 300X300X120	0899566	627
E S4 A 300X300X160	0899583	628
E S4 A 300X300X200	0899629	630
E S4 A 300X400X200	0899631	630
E S4 A 300X500X160	0899611	628
E S4 A 350X500X160	0899619	628
E S4 A 380X380X160	0899595	628
E S4 A 382X458X160	0899603	628
E S4 A 400X150X80	0899556	627
E S4 A 400X200X120	0899563	627
E S4 A 400X260X160	0899575	628
E S4 A 400X300X160	0899587	628
E S4 A 400X400X200	0899632	630
E S4 A 400X500X160	0899615	628
E S4 A 450X620X160	0899623	628
E S4 A 480X480X160	0899607	628
E S4 A 500X400X160	0899599	628
E S4 A 600X200X120	0899564	627
E S6 A 100X100X80	0899000	626
E S6 A 120X120X100	0899009	626
E S6 A 150X100X80	0899001	626
E S6 A 150X150X100	0899010	627
E S6 A 150X150X80	0899003	627
E S6 A 200X100X80	0899002	626
E S6 A 200X150X80	0899004	627
E S6 A 200X200X120	0899011	627
E S6 A 200X200X160	0899017	628
E S6 A 200X200X80	0899007	627
E S6 A 200X300X120	0899015	627
E S6 A 200X300X160	0899023	628
E S6 A 260X260X160	0899019	628
E S6 A 260X300X200	0899077	630
E S6 A 260X380X160	0899029	628
E S6 A 300X150X80	0899005	627
E S6 A 300X200X120	0899012	627
E S6 A 300X200X80	0899008	627
E S6 A 300X300X120	0899016	627
E S6 A 300X300X160	0899025	628
E S6 A 300X300X200	0899078	630
E S6 A 300X400X200	0899079	630
E S6 A 300X500X160	0899039	628
E S6 A 350X500X160	0899043	628
E S6 A 380X380X160	0899031	628
E S6 A 382X458X160	0899035	628
E S6 A 400X150X80	0899006	627
E S6 A 400X200X120	0899013	627
E S6 A 400X260X160	0899021	628
E S6 A 400X300X160	0899027	628
E S6 A 400X400X200	0899080	630
E S6 A 400X500X160	0899041	628
E S6 A 450X620X160	0899045	628
E S6 A 480X480X160	0899037	628
E S6 A 500X400X160	0899033	628
E S6 A 600X200X120	0899014	627
E/AL-NS 32	1201659	539
E/AL-NS 35	1201662	539
E/MBK	1401637	539
E/MK 1	1421659	539
E/NS 35 N	0800886	539
E/NS 35 N BK	0804271	539
E/UK	1201442	538
E/UK 1	1201413	538
E/UK-NS 35	1202577	548
E1 S4 A 200X200X160	0899568	629
E1 S4 A 200X300X160	0899580	629
E1 S4 A 260X260X160	0899572	629
E1 S4 A 260X380X160	0899592	629
E1 S4 A 300X300X160	0899584	629
E1 S4 A 300X500X160	0899612	629
E1 S4 A 350X500X160	0899620	629
E1 S4 A 380X380X160	0899596	629
E1 S4 A 382X458X160	0899604	629
E1 S4 A 400X260X160	0899576	629
E1 S4 A 400X300X160	0899588	629
E1 S4 A 400X500X160	0899616	629
E1 S4 A 450X620X160	0899624	629
E1 S4 A 480X480X160	0899608	629
E1 S4 A 500X400X160	0899600	629
E1 S6 A 200X200X160	0899018	629
E1 S6 A 200X300X160	0899024	629
E1 S6 A 260X260X160	0899020	629
E1 S6 A 260X380X160	0899030	629
E1 S6 A 300X300X160	0899026	629
E1 S6 A 300X500X160	0899040	629
E1 S6 A 350X500X160	0899044	629
E1 S6 A 380X380X160	0899032	629
E1 S6 A 382X458X160	0899036	629
E1 S6 A 400X260X160	0899022	629
E1 S6 A 400X300X160	0899028	629
E1 S6 A 400X500X160	0899042	629
E1 S6 A 450X620X160	0899046	629
E1 S6 A 480X480X160	0899038	629
E1 S6 A 500X400X160	0899034	629
EA 4	0805360	550
EA 5	1024014	550
EA 5-WS	1024085	550
EA 7	1024250	550
EA 11	1024263	550
EC 10	3240176	559
EC 10 BK	3240177	559
EC 10 TR	3240178	559
EC 16	3240179	559
EC 16 BK	3240180	559
EC 16 P TR	3240182	557
EC 16 TR	3240181	559
EC 2,5 P TR	3240167	556
EC 25	3240183	559
EC 25 BK	3240184	559
EC 25 TR	3240185	559
EC 4	3240168	558
EC 4 BK	3240169	558
EC 4 P TR	3240171	557
EC 4 TR	3240170	558
EC 6	3240172	558
EC 6 BK	3240173	558
EC 6 P TR	3240175	557
EC 6 TR	3240174	558
EML (100X30)R YE	0801816	325
EML (100X40)R	0800286	324
EML (100X40)R SR	0802697	325
EML (100X73)R	0817125	324
EML (100X73)R SR	0817112	325
EML (100X73)R YE	0817138	325
EML (100X90)R	0817154	324
EML (100X90)R SR	0817141	325
EML (100XE)RL SR	0815787	327
EML (105X23)R	0803137	324
EML (10X4)R	0815583	324
EML (10X7)R	0816663	324
EML (10X7)R YE	0816676	325
EML (110XE)R	0815596	326
EML (110XE)R SR	0801994	327
EML (110XE)R YE	0815606	327
EML (15X6)R	0803275	324
EML (15X6)R YE	0819288	325
EML (15X6)RL YE	0804548	327
EML (15X9)R	0815677	324
EML (15X9)R SR	0816032	325
EML (15X9)R YE	0816045	325
EML (15X9)RL YE	0804677	327
EML (16,5X5)R	0816702	324
EML (16,5X5)R YE	0816728	325
EML (16,5X5)RL	0816113	326
EML (16,5X5)RL YE	0816126	327
EML (16X7)R	0818001	324
EML (16X7)R YE	0816731	325
EML (17,5X8)R	0816744	324
EML (17,5X8)R YE	0816757	325
EML (17,5X8)RL YE	0816139	327
EML (18X6)RL YE	0828460	327
EML (18X7)RL YE	0802733	327
EML (19X6)R	0816760	324
EML (19X6)R YE	0800107	325
EML (19X6)RL	1060223	326
EML (20X7)R YE	0816773	325
EML (20X8)R	0816786	324
EML (20X8)R YE	0816799	325
EML (20X8)R/TL	0802999	324
EML (20X8)RL YE	0816155	327
EML (20X8)RXL	0802762	326
EML (20XE)R	0803452	326
EML (20XE)R YE	0803453	327
EML (21,5X21,5)R SR	0816812	325
EML (24X3)R	0830291	324
EML (24X4)R	0800061	324
EML (24X4)R YE	0803683	325
EML (25,4X12,7)R	0816825	324
EML (25,4X12,7)R TR	0801841	326
EML (25,4X12,7)R YE	0816838	325
EML (25,4X12,7)RL	0816087	326
EML (26,5X12)R SR	0816854	325
EML (26,5X17,5)R SR	0816883	325
EML (26,5X17,5)R YE	0816896	325
EML (26,5X18,5)R SR	0816906	325
EML (26,5X26,5)R SR	0816919	325
EML (26,5X7,5)R SR	0816841	325
EML (30X20)R	0816922	324
EML (30X20)R YE	0816935	325
EML (32X25)R YE	0800020	325
EML (36X25)R	0803136	324
EML (37XE)RL TR	0815716	326
EML (38,1X19)RL	0816171	326
EML (38X17)R	0816951	324
EML (40X15)R SR	0815729	325
EML (40X25)R	0818027	324
EML (40X25)R YE	0816977	325
EML (40X6)R	0830481	324
EML (40X6)R YE	0830482	325
EML (40X8)R	0816980	324

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Type	Order No.	Page
EML (40X8)R YE	0803712	325
EML (40XE)R	0804540	326
EML (40XE)R YE	0804541	327
EML (47X22)R	0803907	324
EML (50,8X25,4)RL	0816184	326
EML (50X10)R	0830483	324
EML (50X10)R YE	0830484	325
EML (51X12,5)R TR	0815745	326
EML (51X25)R	0817028	324
EML (51X25)R SR	0817002	325
EML (51X25)R YE	0817031	325
EML (60XE)R	0804542	326
EML (60XE)R YE	0804543	327
EML (69,8X31,8)RL	0816197	326
EML (70X32)R	0817060	324
EML (70X32)R SR	0817057	325
EML (70X32)R YE	0817073	325
EML (70X50)R	0817099	324
EML (70X50)R SR	0817086	325
EML (70XE)R	0803438	326
EML (75X10)R	0830485	324
EML (75X10)R YE	0830486	325
EML (80X20)R	0803138	324
EML (90X5)R	0817109	324
EML (D17,5)R	0815774	326
EML-D (40X15)R	1054876	338
EML-D (40X15)R SR	1054877	338
EML-D (60X30)R	1054878	338
EML-D (60X30)R SR	1054879	338
EML-ESD (15X15)R	0830566	336
EML-ESD (15X15)RL-T	0830578	336
EML-ESD (15X6)R	0830565	336
EML-ESD (15X6)RL-T	0830577	336
EML-ESD (20X7)R	0830567	336
EML-ESD (20X7)RL-T	0830579	336
EML-ESD (24X4)R	0830568	336
EML-ESD (24X4)RL-T	0830580	336
EML-ESD (25,4X12,7)R	0830570	336
EML-ESD (25,4X12,7)RL-T	0830582	336
EML-ESD (25X8)R	0830569	336
EML-ESD (25X8)RL-T	0830581	336
EML-ESD (32X10)RL-T	0830583	336
EML-ESD (35X6,5)R	0830572	336
EML-ESD (35X6,5)RL-T	0830584	336
EML-ESD (40X15)R	0830573	336
EML-ESD (40X15)RL-T	0830585	336
EML-ESD (45X5)RL-T	0830586	336
EML-ESD (50X10)R	0830575	336
EML-ESD (50X10)RL-T	0830587	336
EML-ESD (8X8)R	0830564	336
EML-ESD (8X8)RL-T	0830576	336
EML-HA (...X...)R	0803089	334
EML-HA (...X...)R SR	0803091	334
EML-HA (100X73)R	0830731	334
EML-HA (100X73)R SR	0830735	334
EML-HA (100X90)R	0830732	334
EML-HA (100X90)R SR	0830736	334
EML-HA (108XE)R	0804647	334
EML-HA (108XE)R YE	0804648	334
EML-HA (15X9)R	0830600	334
EML-HA (15X9)R SR	0830611	334
EML-HA (19X6)R	0830601	334
EML-HA (19X6)R SR	0830612	334
EML-HA (26,5X12)R	0830603	334
EML-HA (26,5X12)R SR	0830614	334
EML-HA (40X15)R	0830605	334
EML-HA (40X15)R SR	0830616	334
EML-HA (40X8)R	0830604	334
EML-HA (40X8)R SR	0830615	334
EML-HA (51X25)R	0830729	334
EML-HA (51X25)R SR	0830733	334
EML-HA (60X30)R	0830606	334
EML-HA (60X30)R SR	0830617	334
EML-HA (70X150)R	0830608	334
EML-HA (70X150)R SR	0830619	334
EML-HA (70X32)R	0830607	334
EML-HA (70X32)R SR	0830618	334
EML-HA (70X50)R	0830730	334
EML-HA (70X50)R SR	0830734	334
EML-HA (76X51)R	0830609	334
EML-HA (76X51)R SR	0830620	334
EML-HA (85X32)R	0830610	334
EML-HA (85X32)R SR	0830621	334
EML-HT (...X...)R	0803086	335
EML-HT (15X15)R	0800341	335
EML-HT (15X15)RL-T	0830653	335
EML-HT (15X6)R	0830644	335
EML-HT (15X6)RL-T	0830652	335
EML-HT (20X7)R	0830645	335
EML-HT (20X7)RL-T	0830654	335
EML-HT (24X4)RL-T	0830655	335
EML-HT (25,4X12,7)RL-T	0830657	335
EML-HT (25X8)RL-T	0830656	335
EML-HT (32X10)RL-T	0830658	335
EML-HT (35X6,5)RL-T	0830659	335
EML-HT (40X15)R	0800339	335
EML-HT (40X15)RL-T	0830660	335
EML-HT (45X5)RL-T	0830661	335
EML-HT (50X10)R	0800338	335
EML-HT (50X10)RL-T	0830662	335
EML-HT (8X8)RL-T	0830651	335
EML-RM (15X15)R	0830530	337
EML-RM (15X15)RL-T	0830542	337
EML-RM (15X6)R	0830529	337
EML-RM (15X6)RL-T	0830541	337
EML-RM (20X7)R	0830531	337
EML-RM (20X7)RL-T	0830543	337
EML-RM (24X4)R	0830532	337
EML-RM (24X4)RL-T	0830544	337
EML-RM (25,4X12,7)R	0830534	337
EML-RM (25,4X12,7)RL-T	0830546	337
EML-RM (25X8)R	0830533	337
EML-RM (25X8)RL-T	0830545	337
EML-RM (25XE)R	0803713	337
EML-RM (25XE)RL	0804195	337
EML-RM (32X10)RL-T	0830547	337
EML-RM (35X6,5)R	0830536	337
EML-RM (35X6,5)RL-T	0830548	337
EML-RM (40X15)R	0830537	337
EML-RM (40X15)RL-T	0830549	337
EML-RM (45X5)R	0830538	337
EML-RM (45X5)RL-T	0830550	337
EML-RM (50X10)RL-T	0830551	337
EML-RM (70X50)R	0803186	337
EML-RM (8X8)R	0830528	337
EML-RM (8X8)RL-T	0830540	337
EML-RS (45,7X45,7)R	0803387	340
EML-RS (45,7X45,7)R SR	0803187	340
EMLC (...X...)R	0803084	333
EMLC (...X...)R YE	0803085	333
EMLC (15X9)R	0804527	333
EMLC (15X9)R YE	0800236	333
EMLC (17,5X8)R	0804528	333
EMLC (17,5X8)R YE	0800237	333
EMLC (20X8)R	0815680	333
EMLC (20X8)R YE	0800235	333
EMLC (20X8)RL YE	0815800	333
EMLC (25,4X12,7)R YE	0800238	333
EMLC (25X8)R YE	0800240	333
EMLC (38X17)R YE	0800557	333
EMLC (40X8)R	0800554	333
EMLC (40X8)R YE	0800555	333
EMLC (5,5X20)R	0817617	333
EMLC (5,5X40)R	0817620	333
EMLC (51X25)R YE	0800558	333
EMLF (108XE)R	0800549	332
EMLF (108XE)R BU	0804197	332
EMLF (108XE)R OG	0804199	332
EMLF (108XE)R RD	0804198	332
EMLF (108XE)R SR	0800551	332
EMLF (108XE)R TR	0800552	332
EMLF (108XE)R YE	0800550	332
EMLF (50XE)R YE	0804678	332
EMLF (85X32)R SR	0800680	332
EMLP (13X9)R	0819453	328
EMLP (17,5X12)R	0819466	328
EMLP (17,5X15)R	0802684	328
EMLP (17,5X15)R SR	0802685	328
EMLP (17X7)R	0826844	328
EMLP (20X7)R	0819479	328
EMLP (20X8)R	0819482	328
EMLP (22X12)R	0819495	328
EMLP (22X22)R SR	0825528	328
EMLP (27X12,5)R	0804488	328
EMLP (27X12,5)R SR	0819521	328
EMLP (27X18)R SR	0819534	328
EMLP (27X27)R SR	0827467	328
EMLP (27X8)R SR	0819518	328
EMLP (45X15)R	0801820	328
EMLP (45X15)R SR	0819547	328
EMLP (45X25)R	0802727	328
EMLP (60X30)R	0819505	328
EMLP (60X30)R BU	0804275	328
EMLP (60X30)R RD	0804276	328
EMLP (60X30)R SR	0801729	328
EMLP (65X25)R	0802728	328
EMLP (D30)R RD	0803437	328
EMLP (EX15)R	0802686	330
EMLP (EX15)R BK	0803279	330
EMLP (EX15)R BU	0803277	330
EMLP (EX15)R RD	0803280	330
EMLP (EX15)R SR	0802687	330
EMLP (EX15)R YE	0803276	330
EMLP (EX30)R	0802688	330
EMLP (EX30)R BU	0804281	330
EMLP (EX30)R RD	0803436	330
EMLP (EX30)R SR	0802689	330
EMLP 24 (30X12)	0822301	347
EMLP 24 (30X12) BK	0822314	347
EMLP 24 (30X12) SR	0822330	347
EMLP 24 (30X12)R	0819550	331
EMLP 24 (30X12)R SR	0819563	331
EMLP 30 (45X10)R	0801855	331
EMLP 30 (45X10)R YE	0801857	331
EMLP 32 (38X14)	0822291	347
EMLP 32 (38X14) BK	0822327	347
EMLP 32 (38X14) SR	0822343	347
EMLP-AL (100X60)	0830515	295
EMLP-AL (27X15)	0830508	295
EMLP-AL (27X18)	0830509	295
EMLP-AL (27X27)	1011796	295
EMLP-AL (49X15)	0830511	295
EMLP-AL (60X15)	0830512	295
EMLP-AL (60X30)	0830513	295
EMLP-AL (85,6X54)	0830514	295
EMLPR (...X...)R	0803094	353
EMLPR (100X30)	0800362	353
EMLPR (26,5X14,5)	0800546	353
EMLPR (26,5X17,5)	0800360	353
EMLPR (26,5X26,5)	0800361	353
EMLPR (30X40)	0800359	353
EMLPR (80X42)	0800357	353
EMLPR (80X60)	0800358	353
EMLS (...X...)R SR	0803088	339
EMLS (100X50)RL SR	1080203	339
EMLS (15X9)R SR	0800347	339
EMLS (19X6)R SR	0800343	339
EMLS (20X20)R SR	0800344	339
EMLS (26,5X12)R SR	0800353	339
EMLS (38,1X19)R SR	0800354	339
EMLS (40X15)R SR	0800345	339
EMLS (40X8)R SR	0800348	339
EMLS (60X30)R SR	0800355	339
EMLS (70X150)R SR	0800351	339
EMLS (70X32)R SR	0800346	339
EMLS (76X51)R SR	0800350	339
EMLS (85X32)R SR	0800356	339
EMP-AL (27X15)	0830776	297
EMP-AL (27X18)	0830777	297
EMP-AL (49X15)	0830778	297
EMP-AL (60X15)	0830779	297
EMP-AL (60X30)	0830796	297
EMP-AL (85,6X54)	0830797	297
EMP-V4A CS DOOR	0839001	629
EMP-V4A CS LID	0839003	627
EMP-V4A CS LID-S	0839005	626
EMPPR (27X15)	0829535	349
EMPPR (27X18)	0829536	349
EMPPR (45,8X45,8)	0803389	340
EMPPR (45,8X45,8) PL-100	0803476	349
EMSP-AL (39X15)	0830510	296
EMSP-AL (50X15)	0830773	296
EMSP-AL (50X30)	0830502	296
EMSP-AL (75,6X54)	0830503	296
EMSP-AL (90X60)	0830504	296
EMT (103X17)R	0800039	343
EMT (103X17)R TQ	0800041	343
EMT (103X17)R YE	0800436	343
EMT (103X23)R	0800040	343
EMT (103X23)R TQ	0800042	343
EMT (103X23)R YE	0800437	343
EMT (10X4)R	0816235	229
EMT (13X109)R	0803894	343
EMT (13X109)R GY	0803898	343
EMT (13X109)R TQ	0803897	343
EMT (13X109)R YE	0803895	343
EMT (15X4)R	0817329	229
EMT (15X4)R BU	0817332	229
EMT (15X4)R RD	0816249	229
EMT (15X4)R YE	0817358	229
EMT (23X109)R	0803457	343
EMT (23X109)R GY	0803460	343
EMT (23X109)R TQ	0803458	343
EMT (23X109)R YE	0803459	343
EMT (23X4)R	0817361	229
EMT (23X4)R YE	0817374	229
EMT (24X4)R	0816265	229
EMT (25X6)R	0817264	229
EMT (29X8)R	0817277	229
EMT (29X8)R YE	0817280	229
EMT (31X12,5)R	0800008	343
EMT (31X12,5)R GY	0801612	343
EMT (31X12,5)R TQ	1073887	229
EMT (31X12,5)R YE	0802764	343
EMT (35X18,7)R	0801831	342
EMT (35X28)R	0801602	342
EMT (35X28)R YE	0801603	342
EMT (35X46)R	0801604	342
EMT (35X46)R YE	0801605	342
EMT (40X17)R	0817293	229
EMT (44X7)R	0819275	342
EMT (50/28X13)R	0800049	343
EMT (50/28X13)R RD	0832082	343
EMT (50/28X13)R TQ	0800050	343
EMT (50/28X13)R YE	0800438	343
EMT (50X18,8)R	1003224	229
EMT (50X18,8)R GY	1003223	229
EMT (50X26)R	0800052	343
EMT (50X26)R TQ	0800053	343
EMT (50X26)R YE	0800054	343
EMT (60X10)R	0804288	342
EMT (60X15)R	0801846	229
EMT (62X10)R	0800057	342
EMT (62X10)R YE	0800477	342
EMT (62X46)R	0800059	342
EMT (62X46)R YE	0800478	342
EMT (80X15,5)R	0804286	342
EMT (9,8X38,2)R TQ	0803893	343
EMT (9,8X38,2)R YE	0803892	343
EMT (EX14)R	0803461	343
EMT (EX14)R TQ	0803462	343
EMT (EX14)R YE	0803463	343
EMT (EX15)R	0830671	341
EMT (EX17)R	0804546	343
EMT (EX38)R	0804547	343
EMT (EX40)R	0804545	343
ENGRAVING UNIT	0804500	51
EO-AB/PT/15	0804165	563
EO-AB/PT/F	0804175	563
EO-AB/PT/LED/15	0804168	563
EO-AB/PT/LED/DUO/15	0804177	563
EO-AB/PT/LED/F	0804171	563
EO-AB/PT/LED/S/15	0804174	563
EO-AB/PT/S/15	0804173	563
EO-AB/PT/SH/LED/DUO/V/GFI/15	0804184	563
EO-AB/UT/15	0804152	563
EO-AB/UT/F	0804161	563
EO-AB/UT/LED/15	0804155	563
EO-AB/UT/LED/DUO/15	0804163	563
EO-AB/UT/LED/F	0804157	563

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Type	Order No.	Page
EO-AB/UT/LED/S/15	0804160	563
EO-AB/UT/S/15	0804159	563
EO-AB/UT/SH/LED/DUO/V/GFI/15	0804179	563
EO-AB/UT/SH/LED/DUO/V/GFI/20	0804181	563
EO-CF/PT	0804038	562
EO-CF/PT/F	0804047	562
EO-CF/PT/F/GN	0804048	562
EO-CF/PT/GN	0804039	562
EO-CF/PT/LED	0804040	562
EO-CF/PT/LED/DUO	0804049	562
EO-CF/PT/LED/DUO/GN	0804050	562
EO-CF/PT/LED/F	0804042	562
EO-CF/PT/LED/F/GN	0804043	562
EO-CF/PT/LED/GN	0804041	562
EO-CF/PT/LED/S	0804046	562
EO-CF/PT/LED/YE	1068075	562
EO-CF/PT/S	0804045	562
EO-CF/PT/YE	1068067	562
EO-CF/UT	0804024	562
EO-CF/UT/F	0804034	562
EO-CF/UT/F/GN	0804035	562
EO-CF/UT/GN	0804025	562
EO-CF/UT/LED	0804026	562
EO-CF/UT/LED/DUO	0804036	562
EO-CF/UT/LED/DUO/GN	0804037	562
EO-CF/UT/LED/F	0804029	562
EO-CF/UT/LED/F/GN	0804030	562
EO-CF/UT/LED/F/YE	1068030	562
EO-CF/UT/LED/GN	0804027	562
EO-CF/UT/LED/S	0804033	562
EO-CF/UT/LED/YE	1068028	562
EO-CF/UT/S	0804032	562
EO-CF/UT/YE	1068038	562
EO-D/PT	0804009	563
EO-D/PT/GN	0804010	563
EO-D/PT/LED	0804011	563
EO-D/PT/LED/DUO	0804013	563
EO-D/PT/LED/DUO/GN	0804014	563
EO-D/PT/LED/GN	0804012	563
EO-D/UT	0804000	563
EO-D/UT/F	0804005	563
EO-D/UT/F/GN	0804006	563
EO-D/UT/GN	0804001	563
EO-D/UT/LED	0804003	563
EO-D/UT/LED/DUO	0804007	563
EO-D/UT/LED/DUO/GN	0804008	563
EO-D/UT/LED/GN	0804004	563
EO-E/PT/SH	0804020	565
EO-E/PT/SH/GN	0804021	565
EO-E/PT/SH/LED	0804022	565
EO-E/PT/SH/LED/GN	0804023	565
EO-E/UT/SH	0804016	565
EO-E/UT/SH/GN	0804017	565
EO-E/UT/SH/LED	0804018	565
EO-E/UT/SH/LED/GN	0804019	565
EO-E/UT/SH/LED/YE	1068076	565
EO-G/PT/SH	0804063	565
EO-G/PT/SH/GN	0804064	565
EO-G/PT/SH/LED	0804065	565
EO-G/PT/SH/LED/GN	0804066	565
EO-G/PT/SH/LED/S	0804070	565
EO-G/PT/SH/S	0804069	565
EO-G/UT/SH	0804051	565
EO-G/UT/SH/GN	0804052	565
EO-G/UT/SH/LED	0804053	565
EO-G/UT/SH/LED/GN	0804054	565
EO-G/UT/SH/LED/S	0804059	565
EO-G/UT/SH/S	0804058	565
EO-I/UT	0804087	567
EO-I/UT/GN	0804088	567
EO-I/UT/LED	0804089	567
EO-I/UT/LED/DUO	0804091	567
EO-I/UT/LED/DUO/GN	0804092	567
EO-I/UT/LED/GN	0804090	567
EO-J/PT	0804105	567
EO-J/PT/GN	0804106	567
EO-J/PT/LED	0804107	567
EO-J/PT/LED/DUO	0804110	567
EO-J/PT/LED/DUO/GN	0804111	567
EO-J/PT/LED/GN	0804108	567
EO-J/UT	0804099	567
EO-J/UT/GN	0804100	567
EO-J/UT/LED	0804101	567
EO-J/UT/LED/DUO	0804103	567
EO-J/UT/LED/DUO/GN	0804104	567
EO-J/UT/LED/GN	0804102	567
EO-K/PT	0804119	567
EO-K/PT/GN	0804120	567
EO-K/PT/LED	0804121	567
EO-K/PT/LED/DUO	0804123	567
EO-K/PT/LED/DUO/GN	0804124	567
EO-K/PT/LED/GN	0804122	567
EO-K/UT	0804113	567
EO-K/UT/GN	0804114	567
EO-K/UT/LED	0804115	567
EO-K/UT/LED/DUO	0804117	567
EO-K/UT/LED/DUO/GN	0804118	567
EO-K/UT/LED/GN	0804116	567
EO-L/PT/SH	0804132	564
EO-L/PT/SH/GN	0804133	564
EO-L/PT/SH/LED	0804134	564
EO-L/PT/SH/LED/DUO	0804136	564
EO-L/PT/SH/LED/DUO/GN	0804137	564
EO-L/PT/SH/LED/GN	0804135	564
EO-L/UT/SH	0804126	564
EO-L/UT/SH/GN	0804127	564
EO-L/UT/SH/LED	0804128	564
EO-L/UT/SH/LED/DUO	0804130	564
EO-L/UT/SH/LED/DUO/GN	0804131	564
EO-L/UT/SH/LED/GN	0804129	564
EO-N/PT	0804146	566
EO-N/PT/GN	0804147	566
EO-N/PT/LED	0804148	566
EO-N/PT/LED/DUO	0804150	566
EO-N/PT/LED/DUO/GN	0804151	566
EO-N/PT/LED/GN	0804149	566
EO-N/UT	0804139	566
EO-N/UT/GN	0804140	566
EO-N/UT/LED	0804142	566
EO-N/UT/LED/DUO	0804144	566
EO-N/UT/LED/DUO/GN	0804145	566
EO-N/UT/LED/GN	0804143	566
ES-SSMK-GB 60X18	5032468	352
ES-SSMK-GB 96X30	5032455	352
ESL (25X6)	0801849	234
ESL 24X4	0808231	237
ESL 29X8	0808257	235
ESL 40X17	0808095	235
ESL 44X7	0808244	541
ESL 60X10	0804287	543

F

Type	Order No.	Page
FIXOCAP F	1201471	545

G

Type	Order No.	Page
G-EDSWU-M20-M66L-STES-S	1411091	653
G-EDSWU-M20S-S66L-STES-S	1411089	653
G-EDSWU-M25-M66L-STES-S	1411093	653
G-EDSWU-M32-L66L-STES-S	1411095	653
G-EDSWU-M40-L66L-STES-S	1411099	653
G-EDSWU-M50-L66L-STES-S	1411101	653
G-EDSWU-M63-L66L-STES-S	1411103	653
G-ESIS-M12-S68L-PEPDS-BK	1415106	650
G-ESIS-M12-S68L-PEPDS-BL	1415114	650
G-ESIS-M12-S68N-NEPDS-S	1415123	651
G-ESIS-M16-S68L-PEPDS-BK	1415107	650
G-ESIS-M16-S68L-PEPDS-BL	1415116	650
G-ESIS-M16-S68N-NEPDS-S	1415124	651
G-ESIS-M20-S68L-PEPDS-BK	1415108	650
G-ESIS-M20-S68L-PEPDS-BL	1415117	650
G-ESIS-M20-S68N-NEPDS-S	1415125	651
G-ESIS-M25-M68L-PEPDS-BK	1415109	650
G-ESIS-M25-M68L-PEPDS-BL	1415118	650
G-ESIS-M25-M68N-NEPDS-S	1415126	651
G-ESIS-M32-M68L-NEPDS-S	1415127	651
G-ESIS-M32-M68L-PEPDS-BK	1415110	650
G-ESIS-M32-M68L-PEPDS-BL	1415119	650
G-ESIS-M40-M68L-NEPDS-S	1415129	651
G-ESIS-M40-M68L-PEPDS-BK	1415111	650
G-ESIS-M40-M68L-PEPDS-BL	1415120	650
G-ESIS-M50-L68L-NEPDS-S	1415146	651
G-ESIS-M50-L68L-PEPDS-BK	1415112	650
G-ESIS-M50-L68L-PEPDS-BL	1415121	650
G-ESIS-M63-L68L-NEPDS-S	1415147	651
G-ESIS-M63-L68L-PEPDS-BK	1415113	650
G-ESIS-M63-L68L-PEPDS-BL	1415122	650
G-ESISEC-M12-S68N-NEPDS-S	1415148	651
G-ESISEC-M16-S68N-NEPDS-S	1415149	651
G-ESISEC-M20-S68N-NEPDS-S	1415163	651
G-ESISEC-M25-M68N-NEPDS-S	1415165	651
G-ESISEC-M32-M68L-NEPDS-S	1415166	651
G-ESISEC-M40-M68L-NEPDS-S	1415168	651
G-ESISEC-M50-L68L-NEPDS-S	1415169	651
G-ESISEC-M63-L68L-NEPDS-S	1415170	651
G-ESS-M20-S66L-NTES-S	1411075	652
G-ESS-M20-S66L-STES-S	1411076	652
G-ESS-M25-M66L-NTES-S	1411077	652
G-ESS-M25-M66L-STES-S	1411078	652
G-ESS-M32-M66L-NTES-S	1411079	652
G-ESS-M32-M66L-STES-S	1411080	652
G-ESS-M40-L66L-NTES-S	1411081	652
G-ESS-M40-L66L-STES-S	1411082	652
G-ESS-M50-L66L-NTES-S	1411084	652
G-ESS-M50-L66L-STES-S	1411085	652
G-ESS-M63-L66L-NTES-S	1411086	652
G-ESS-M63-L66L-STES-S	1411087	652
G-ESSWU-M20-M66L-NTES-S	1411090	653
G-ESSWU-M20S-S66L-NTES-S	1411088	653
G-ESSWU-M25-M66L-NTES-S	1411092	653
G-ESSWU-M32-L66L-NTES-S	1411094	653
G-ESSWU-M40-L66L-NTES-S	1411097	653
G-ESSWU-M50-L66L-NTES-S	1411100	653
G-ESSWU-M63-L66L-NTES-S	1411102	653
GBS 3,5-25X12	0830292	153
GBS 3,5-25X3,5	0830290	153
GBS 5-25X12	0810588	153
GBS 5-25X5	0829126	153
GKM 1 GY	1750498	242
GKM 2 GY	1750485	243
GLM 4	1201769	536
GLM 5	1201772	536
GLM 6	1201785	536
GPE 13X 9 WH	0806932	346
GPE 17,5X12 WH	0806916	346
GPE 20X 7 WH	0806990	346
GPE 20X 8 WH	0806945	346
GPE 22X12 WH	0806929	346
GPE 22X22 SR/R	0806628	346
GPE 27X 8 SR/R	0806877	346
GPE 27X 8 WH/R	0815198	346
GPE 27X12,5 SR/R	0806880	346
GPE 27X18 SR/R	0806893	346
GPE 27X18 WH/R	0815208	346
GPE 27X27 SR/R	0806903	346
GPE 28X17,5 SR	0807889	346
GPE 45X14 SR/R	0807009	346
GPE 45X14 WH/R	0815282	346
GPE 52X26 WH	0806958	346
GPE 60X12 RD-WH	0824202	346
GPE 60X12 SR/R	0806631	346
GPE 60X12 WH/R	0807630	346
GPE 60X30 WH	0806961	346
GPE 60X30 WH/R	0815292	346
GPE 70X32 YE	0824215	346

J

Type	Order No.	Page
JBC 2,5/3	3240164	560
JBC 2,5/5	3240165	560
JBC 2,5/8	3240166	560

K

Type	Order No.	Page
KLM	1004306	540
KLM 1	1004319	540
KLM 2	0807575	540
KLM 3	0811969	540
KLM 3-L	0814788	540
KLM 4	0811970	541
KLM-A	1004348	541
KME	0807083	237
KMK	1005208	236
KMK 1	0830745	234
KMK 2	1005266	235
KMK 2-1000	0815004	235
KMK 3	1005211	237
KMK 4	1005305	235
KMK 5	0830746	235
KMK HP (25X6)	0830720	238
KMK HP (29X8)	0830721	239
KMK HP (40X17)	0830723	239
KMK HP (60X15)	0830722	239
KMK UV (25X6)	1014106	240
KMK UV (29X8)	1014107	241
KMK UV (40X17)	1014109	241
KMK UV (60X15)	1014108	241
KMV	0806644	247
KMV 44X9,6	0812007	247

L

Type	Order No.	Page
LM	1004377	237
LS-EML (180X180) BK-WH	0831784	293
LS-EMLP (100X60) SR	0831726	291
LS-EMLP (100X60) WH	0831699	290
LS-EMLP (100X60) YE	0831753	291
LS-EMLP (11X9) SR	0831705	291
LS-EMLP (11X9) WH	0831678	290
LS-EMLP (11X9) YE	0831732	291
LS-EMLP (13X9) SR	0831706	291
LS-EMLP (13X9) WH	0831679	290
LS-EMLP (13X9) YE	0831733	291
LS-EMLP (17,5X12) SR	0831709	291
LS-EMLP (17,5X12) WH	0831682	290
LS-EMLP (17,5X12) YE	0831736	291
LS-EMLP (17,5X15) SR	0831710	291
LS-EMLP (17,5X15) WH	0831683	290
LS-EMLP (17,5X15) YE	0831737	291
LS-EMLP (17X7) SR	0831707	291
LS-EMLP (17X7) WH	0831680	290
LS-EMLP (17X7) YE	0831734	291
LS-EMLP (17X9) SR	0831708	291
LS-EMLP (17X9) WH	0831681	290
LS-EMLP (17X9) YE	0831735	291
LS-EMLP (180X180) SR	0804347	291
LS-EMLP (180X180) WH	0804346	290
LS-EMLP (180X180) YE	0804348	291
LS-EMLP (20X7) SR	0831711	291
LS-EMLP (20X7) WH	0831684	290
LS-EMLP (20X7) YE	0831738	291
LS-EMLP (20X8) SR	0831712	291
LS-EMLP (20X8) WH	0831685	290
LS-EMLP (20X8) YE	0831739	291
LS-EMLP (22X12) SR	0831713	291
LS-EMLP (22X12) WH	0831686	290
LS-EMLP (22X12) YE	0831740	291
LS-EMLP (22X22) SR	0831714	291
LS-EMLP (22X22) WH	0831687	290
LS-EMLP (22X22) YE	0831741	291
LS-EMLP (27X12,5) SR	0831716	291
LS-EMLP (27X12,5) WH	0831689	290
LS-EMLP (27X12,5) YE	0831743	291
LS-EMLP (27X15) SR	0831717	291
LS-EMLP (27X15) WH	0831690	290
LS-EMLP (27X15) YE	0831744	291
LS-EMLP (27X18) SR	0831718	291
LS-EMLP (27X18) WH	0831691	290
LS-EMLP (27X18) YE	0831745	291
LS-EMLP (27X27) SR	0831719	291

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Type	Order No.	Page
LS-EMLP (27X27) WH	0831692	290
LS-EMLP (27X27) YE	0831746	291
LS-EMLP (27X8) SR	0831715	291
LS-EMLP (27X8) WH	0831688	290
LS-EMLP (27X8) YE	0831742	291
LS-EMLP (40X20) SR	1019276	291
LS-EMLP (45X14) SR	0831720	291
LS-EMLP (45X14) WH	0831693	290
LS-EMLP (45X14) YE	0831747	291
LS-EMLP (45X15) SR	0831721	291
LS-EMLP (45X15) WH	0831694	290
LS-EMLP (45X15) YE	0831748	291
LS-EMLP (49X15) SR	0831722	291
LS-EMLP (49X15) WH	0831695	290
LS-EMLP (49X15) YE	0831749	291
LS-EMLP (60X15) SR	0831723	291
LS-EMLP (60X15) WH	0831696	290
LS-EMLP (60X15) YE	0831750	291
LS-EMLP (60X30) SR	0831724	291
LS-EMLP (60X30) WH	0831697	290
LS-EMLP (60X30) YE	0831751	291
LS-EMLP (72X20) YE	0804372	291
LS-EMLP (80X40) WH	0804483	290
LS-EMLP (85,6X54) SR	0831725	291
LS-EMLP (85,6X54) WH	0831698	290
LS-EMLP (85,6X54) YE	0831752	291
LS-EMLP 24 (30X12) SR	0831727	292
LS-EMLP 24 (30X12) WH	0831700	292
LS-EMLP 24 (30X12) YE	0831754	292
LS-EMLP 30 (45X10) SR	0831728	292
LS-EMLP 30 (45X10) WH	0831701	292
LS-EMLP 30 (45X10) YE	0831755	292
LS-EMLP 32 (38X14) SR	0831729	292
LS-EMLP 32 (38X14) WH	0831702	292
LS-EMLP 32 (38X14) YE	0831756	292
LS-EMLP-AL (100X60)	0831586	287
LS-EMLP-AL (100X60) BK	0831595	287
LS-EMLP-AL (22X22) BK	1027217	287
LS-EMLP-AL (27X15)	0831580	287
LS-EMLP-AL (27X15) BK	0831589	287
LS-EMLP-AL (27X18)	0831581	287
LS-EMLP-AL (27X18) BK	0831590	287
LS-EMLP-AL (27X27)	0804298	287
LS-EMLP-AL (49X15)	0831582	287
LS-EMLP-AL (49X15) BK	0831591	287
LS-EMLP-AL (60X15)	0831583	287
LS-EMLP-AL (60X15) BK	0831592	287
LS-EMLP-AL (60X30)	0831584	287
LS-EMLP-AL (60X30) BK	0831593	287
LS-EMLP-AL (60X30) BU	0831606	287
LS-EMLP-AL (60X30) GN	0831610	287
LS-EMLP-AL (60X30) RD	0831598	287
LS-EMLP-AL (85,6X54)	0831585	287
LS-EMLP-AL (85,6X54) BK	0831594	287
LS-EMLP-AL (85,6X54) BU	0831607	287
LS-EMLP-AL (85,6X54) GN	0831611	287
LS-EMLP-AL (85,6X54) OG	0831603	287
LS-EMLP-AL (85,6X54) RD	0831599	287
LS-EMLP-V4A (50X15)	1019818	286
LS-EMLP-V4A (60X15)	1031604	286
LS-EMLP-V4A (60X30)	0803991	286
LS-EMLSP (21,5X15) WH	1045512	284
LS-EMLSP (36,3X25) WH	1058990	284
LS-EMLSP (70,8X40) WH	1069847	284
LS-EMP-AL (100X60)	0831667	288
LS-EMP-AL (100X60) BK	0831675	289
LS-EMP-AL (27X15)	0831661	288
LS-EMP-AL (27X15) BK	0831669	289
LS-EMP-AL (27X18)	0831662	288
LS-EMP-AL (27X18) BK	0831670	289
LS-EMP-AL (49X15)	0831663	288
LS-EMP-AL (49X15) BK	0831671	289
LS-EMP-AL (60X15)	0831664	288
LS-EMP-AL (60X15) BK	0831672	289
LS-EMP-AL (60X30)	0831665	288
LS-EMP-AL (60X30) BK	0831673	289
LS-EMP-AL (85,6X54)	0831666	288
LS-EMP-AL (85,6X54) BK	0831674	289
LS-EMSP-AL (110X80)	0831620	283
LS-EMSP-AL (110X80) BK	0831631	283
LS-EMSP-AL (110X80) BU	1050854	287
LS-EMSP-AL (150X120)	0831622	283
LS-EMSP-AL (150X120) BK	0831633	283
LS-EMSP-AL (150X80)	0831621	283
LS-EMSP-AL (150X80) BK	0831632	283
LS-EMSP-AL (170X180)	0831623	283
LS-EMSP-AL (170X180) BK	0831634	283
LS-EMSP-AL (39X15)	0831615	283
LS-EMSP-AL (39X15) BK	0831626	283
LS-EMSP-AL (50X15)	0831616	283
LS-EMSP-AL (50X15) BK	0831627	283
LS-EMSP-AL (50X30)	0831617	283
LS-EMSP-AL (50X30) BK	0831628	283
LS-EMSP-AL (50X30) BU	0831645	283
LS-EMSP-AL (50X30) GN	0831649	283
LS-EMSP-AL (50X30) OG	0831641	283
LS-EMSP-AL (50X30) RD	0831637	283
LS-EMSP-AL (75,6X54)	0831618	283
LS-EMSP-AL (75,6X54) BK	0831629	283
LS-EMSP-AL (75,6X54) BU	0831646	283
LS-EMSP-AL (75,6X54) GN	0831650	283
LS-EMSP-AL (75,6X54) OG	0831642	283
LS-EMSP-AL (75,6X54) RD	0831638	283
LS-EMSP-AL (90X60)	0831619	283
LS-EMSP-AL (90X60) BK	0831630	283
LS-EMSP-V4A (140X100) 1	1030550	282
LS-EMSP-V4A (39X15)	0831653	282
LS-EMSP-V4A (50X15)	0831654	282
LS-EMSP-V4A (50X30)	0831655	282
LS-EMSP-V4A (75,6X54)	0831656	282
LS-EMSP-V4A (90X60)	0831657	282
LS-WMTB-AL (100X15)	0831503	189
LS-WMTB-AL (100X15) BK	0831511	189
LS-WMTB-AL (29X8)	0831500	189
LS-WMTB-AL (29X8) BK	0831508	189
LS-WMTB-AL (40X15)	0831501	189
LS-WMTB-AL (40X15) BK	0831509	189
LS-WMTB-AL (60X15)	0831502	189
LS-WMTB-AL (60X15) BK	0831510	189
LS-WMTB-AL (D25)	0831504	191
LS-WMTB-AL (D25) BK	0831512	191
LS-WMTB-AL (D30)	0831505	191
LS-WMTB-AL (D30) BK	0831513	191
LS-WMTB-V4A (100X15)	0831519	189
LS-WMTB-V4A (29X8)	0831516	189
LS-WMTB-V4A (40X15)	0831517	189
LS-WMTB-V4A (60X15)	0831518	189
LS-WMTB-V4A (D25)	0831520	191
LS-WMTB-V4A (D30)	0831521	191

M

Type	Order No.	Page
MEASURING TAPE 5M	1200298	462
MEASURING TAPE 5M I/M	1200304	462
MICROFOX-E	1212494	402
MICROFOX-E ESD	1212485	403
MICROFOX-EO	1212495	402
MICROFOX-F	1212493	402
MICROFOX-F ESD	1212484	403
MICROFOX-P	1212491	402
MICROFOX-P ESD	1212482	403
MICROFOX-PC	1212492	402
MICROFOX-PC ESD	1212483	403
MICROFOX-R	1212490	402
MICROFOX-R ESD	1212481	403
MICROFOX-S ESD	1212480	403
MICROFOX-SB	1212489	402
MICROFOX-SP	1212488	402
MICROFOX-SP-1	1212487	402
MM-EML (EX10)R C1 SR/BK	0803974	47
MM-EML (EX10)R C1 WH/BK	0803970	47
MM-EML (EX12)R C1 SR/BK	0803975	47
MM-EML (EX12)R C1 WH/BK	0803971	47
MM-EML (EX18)R C1 SR/BK	0803976	47
MM-EML (EX18)R C1 WH/BK	0803972	47
MM-EML (EX24)R C1 SR/BK	0803978	47
MM-EML (EX24)R C1 WH/BK	0803973	47
MM-EMLC (EX10)R C1 WH/BK	0803933	47
MM-EMLC (EX12)R C1 WH/BK	0803934	47
MM-EMLC (EX18)R C1 WH/BK	0803936	47

N

Type	Order No.	Page
NLS-CU 3/10 SN 1000MM	0402174	552
NLS-CU 6/ 6 SN 1000MM	0402161	552
NS 15 AL PERF 2000MM	1401763	523
NS 15 PERF 2000MM	1401682	523
NS 15 PERF/...	1208102	523
NS 15 UNPERF 2000MM	1401695	522
NS 15 UNPERF/...	1208089	522
NS 15 UNPERF/SO/...	1208092	522
NS 15 WH PERF 2000MM	1204096	523
NS 30/15 PERF.2000MM	3240262	583
NS 32 AL UNPERF 2000MM	1201028	534
NS 32 CU/120QMM UNPERF 2000MM	1201280	535
NS 32 CU/35QMM UNPERF 2000MM	1201358	535
NS 32 PERF 2000MM	1201002	534
NS 32 UNPERF 2000MM	1201015	534
NS 32 UNPERF/...	1208173	535
NS 32 UNPERF/SO/...	1208186	535
NS 32 WH UNPERF 2000MM	1204106	535
NS 35/ 7,5 AL PERF 2000MM	0814681	528
NS 35/ 7,5 AL UNPERF 2000MM	0801704	526
NS 35/ 7,5 CAP	1206560	526
NS 35/ 7,5 CU UNPERF 2000MM	0801762	525
NS 35/ 7,5 PERF 755MM	1207640	527
NS 35/ 7,5 PERF (18X5,2)2000MM	1210019	527
NS 35/ 7,5 PERF 1000MM	0807012	527
NS 35/ 7,5 PERF 1155MM	1207666	527
NS 35/ 7,5 PERF 2000MM	0801733	527
NS 35/ 7,5 PERF/...	1208131	527
NS 35/ 7,5 UNPERF 1000MM	1207649	524
NS 35/ 7,5 UNPERF 2000MM	0801681	524
NS 35/ 7,5 UNPERF/...	1208115	524
NS 35/ 7,5 UNPERF/SO/...	1208128	524
NS 35/ 7,5 V2A UNPERF 2000MM	0801377	526
NS 35/ 7,5 WH PERF 2000MM	1204119	529
NS 35/ 7,5 WH UNPERF 2000MM	1204122	525
NS 35/ 7,5 ZN PERF (18X5,2) 2M	0804278	527
NS 35/ 7,5 ZN PERF 2000MM	1206421	527
NS 35/ 7,5 ZN UNPERF 2000MM	1206434	525
NS 35/15 AL UNPERF 2000MM	1201756	536
NS 35/15 AL UNPERF/...	1210213	536
NS 35/15 CAP	1206573	526
NS 35/15 CU UNPERF 2000MM	1201895	531
NS 35/15 PERF 755MM	1207679	532
NS 35/15 PERF 955MM	1207682	532
NS 35/15 PERF (18X5,2) 2000MM	1210006	532
NS 35/15 PERF 1000MM	1207658	532
NS 35/15 PERF 1155MM	1207695	532
NS 35/15 PERF 2000MM	1201730	532
NS 35/15 PERF/...	1208160	532
NS 35/15 UNPERF 1000MM	1207655	530
NS 35/15 UNPERF 2000MM	1201714	530
NS 35/15 UNPERF/...	1208144	530
NS 35/15 UNPERF/SO/...	1208157	530
NS 35/15 WH PERF 2000MM	0806602	533
NS 35/15 WH PERF(5,2X25)2000MM	1206476	533
NS 35/15 WH UNPERF 2000MM	1204135	530
NS 35/15 ZN PERF 2000MM	1206599	533
NS 35/15 ZN PERF(18X5,2)2000MM	3240571	533
NS 35/15 ZN UNPERF 2000MM	1206586	531
NS 35/15-2,3 UNPERF 2000MM	1201798	531
NS 35/7,5 WHPERF(5,2X25)2000MM	1206418	529
MOBILE BACKPACK	0803717	34

O

Type	Order No.	Page
O PX A 121X121X75	0899328	642
O PX A 161X161X93	0899329	642
O PX A 200X200X125	0899330	642
O PX A 81X81X75	0899327	642
MM-EMLF (EX10)R C1 BU/WH	0803945	48
MM-EMLF (EX10)R C1 GN/WH	0803950	48
MM-EMLF (EX10)R C1 OG/BK	0803955	48
MM-EMLF (EX10)R C1 RD/WH	0803959	48
MM-EMLF (EX10)R C1 WH/BK	0803937	48
MM-EMLF (EX10)R C1 YE/BK	0803941	48
MM-EMLF (EX12)R C1 BU/WH	0803946	48
MM-EMLF (EX12)R C1 GN/WH	0803952	48
MM-EMLF (EX12)R C1 OG/BK	0803956	48
MM-EMLF (EX12)R C1 RD/WH	0803960	48
MM-EMLF (EX12)R C1 WH/BK	0803938	48
MM-EMLF (EX12)R C1 YE/BK	0803942	48
MM-EMLF (EX18)R C1 BU/WH	0803947	48
MM-EMLF (EX18)R C1 GN/WH	0803953	48
MM-EMLF (EX18)R C1 OG/BK	0803957	48
MM-EMLF (EX18)R C1 RD/WH	0803961	48
MM-EMLF (EX18)R C1 WH/BK	0803939	48
MM-EMLF (EX18)R C1 YE/BK	0803943	48
MM-EMLF (EX24)R C1 BU/WH	0803949	48
MM-EMLF (EX24)R C1 GN/WH	0803954	48
MM-EMLF (EX24)R C1 OG/BK	0803958	48
MM-EMLF (EX24)R C1 RD/WH	0803962	48
MM-EMLF (EX24)R C1 WH/BK	0803940	48
MM-EMLF (EX24)R C1 YE/BK	0803944	48
MM-EMT (EX15)R C1 WH/BK	0803966	46
MM-EMT (EX17)R C1 WH/BK	0803967	46
MM-EMT (EX18)R C1 WH/BK	0803968	46
MM-EMT (EX23)R C1 WH/BK	0803969	46
MM-EMT (EX6)R C1 WH/BK	0803963	46
MM-EMT (EX8)R C1 WH/BK	0803965	46
MM-TML (EX4,2)R C1 TR/BK	0803979	49
MM-TML (EX9,5)R C1 TR/BK	0803981	49
MM-TMT (EX6,35)R C1 WH/BK	0803982	49
MM-TMT (EX9,5)R C1 WH/BK	0803983	49
MM-WML 3 (EX10)R C1 WH/BK	0803931	45
MM-WML 5 (EX10)R C1 WH/BK	0803932	45
MM-WMS 3,2 (EX5)R C1 WH/BK	0803923	44
MM-WMS 4,8 (EX9)R C1 WH/BK	0803924	44
MM-WMS 6,4 (EX10)R C1 WH/BK	0803925	44
MM-WMS 9,5 (EX16)R C1 WH/BK	0803926	44
MM-WMS-2 3,2 (EX5)R C1 WH/BK	0803927	45
MM-WMS-2 4,8 (EX9)R C1 WH/BK	0803928	45
MM-WMS-2 6,4 (EX10)R C1 WH/BK	0803929	45
MM-WMS-2 9,5 (EX16)R C1 WH/BK	0803930	45

P

Type	Order No.	Page
P-PEN	0815211	54
P-PEN ADAPTER	0815224	54
P-SS-ZB 100	1013737	350
P-ZB METER	1051854	350
P1 ENGRAVING UNIT	5145546	346
P1 ENGRAVING VC BAG	5145559	51
P1 GRAVER 0.2	5145478	51
P1 GRAVER 0.3	5145481	51
P1 GRAVER 0.5	5145504	51
P1 GRAVER 0.7	5145517	51
P1 GRAVER 1.0	5145520	51
P1 UC-MAG 1	5146079	52
P1 UC-MAG 2	5146082	52
P1 UC-MAG 3	5146095	52
P1 UC-MAG 4	5146105	52
P1 UC-MAG 5	5146118	52
P1 UC-MAG 6	5146121	52
P1 UC-MAG 7	5146568	52
PAB-KTL	1013261	249
PAB-KTL 23	1013957	249
PAB-SK 15	1013287	351
PAB-SK 30	1013290	351
PABL 15X4	0808260	229
PATG 0/10	1013795	248
PATG 0/12	0827076	248
PATG 0/15	1013740	248
PATG 0/18	0820507	248
PATG 0/23	0828046	248
PATG 1/10	1013805	248
PATG 1/12	0827077	248
PATG 1/15	1013025	248
PATG 1/18	0820510	248
PATG 1/23	1013847	248
PATG 1/30	0822440	248
PATG 2/10	1013818	248
PATG 2/12	0827078	248

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Type	Order No.	Page
PATG 2/15	1013038	248
PATG 2/18	0820523	248
PATG 2/23	1013850	248
PATG 2/30	0822453	248
PATG 3/10	1013821	248
PATG 3/12	0827079	248
PATG 3/15	1013041	248
PATG 3/18	0820536	248
PATG 3/23	1013863	248
PATG 3/30	0822466	248
PATG 4/12	0827080	248
PATG 4/15	1013054	248
PATG 4/18	0820549	248
PATG 4/23	0808011	248
PATG 4/30	0822479	248
PATG 5/12	0803312	248
PATG 5/15	1013067	248
PATG 5/18	0828059	248
PATG 5/23	0808024	248
PATG 5/30	0822482	248
PATG 6/15	1013070	248
PATG 6/18	0828062	248
PATG 6/23	0808037	248
PATG 7/15	1013083	248
PATG 7/23	0808040	248
PATG 8/15	1013096	248
PATG 8/23	0808053	248
PATG 9/15	1013106	248
PATG HF 1/10	1014044	250
PATG HF 1/12	1014045	250
PATG HF 1/15	1014046	250
PATG HF 1/18	1014047	250
PATG HF 1/23	1014048	250
PATG HF 1/30	1014049	250
PATG HF 2/10	1014050	250
PATG HF 2/12	1014051	250
PATG HF 2/15	1014052	250
PATG HF 2/18	1014053	250
PATG HF 2/23	1014054	250
PATG HF 2/30	1014055	250
PATG HF 3/10	1014056	250
PATG HF 3/12	1014057	250
PATG HF 3/15	1014058	250
PATG HF 3/18	1014059	250
PATG HF 3/23	1014060	250
PATG HF 3/30	1014061	250
PATG HF 3/30 VPE 1000	1044263	251
PATG HF 4/12	1014063	250
PATG HF 4/15	1014064	250
PATG HF 4/18	1014065	250
PATG HF 4/23	1014066	250
PATG HF 4/30	1014067	250
PATG HF 4/30 VPE 1000	1044271	251
PATO 1/10	1013876	249
PATO 1/12	0827081	249
PATO 1/15	1013119	249
PATO 1/18	0823740	249
PATO 1/23	1013892	249
PATO 1/30	0822495	249
PATO 2/10	1013889	249
PATO 2/12	0827082	249
PATO 2/15	1013122	249
PATO 2/18	0823753	249
PATO 2/23	1013902	249
PATO 2/30	0822505	249
PATO 3/15	1013135	249
PATO 4/15	1013148	249
PKT 9X20	0803977	249
PLOTMARK	0804499	50
PML-C101 (D39)R	1032780	384
PML-GHS100 (13X13)R	1014289	374
PML-GHS100 (25X25)R	1014290	374
PML-M100 (D100)R	1014181	373
PML-M100 (D50)R	1014180	373
PML-P100 (D100)R	1014226	372
PML-P100 (D50)R	1014225	372
PML-T101 (26X280)R	1014229	378
PML-T101 (52X560)R	1014230	378
PML-T102 (26X280)R	1014231	379
PML-T102 (52X560)R	1014232	379
PML-T103 (26X280)R	1014233	379
PML-T103 (52X560)R	1014234	379
PML-T104 (26X280)R	1014235	379
PML-T104 (52X560)R	1014236	379
PML-T105 (26X280)R	1014237	380
PML-T105 (52X560)R	1014238	380
PML-T106 (26X280)R	1014239	381
PML-T106 (52X560)R	1014240	381
PML-T107 (26X280)R	1014241	381
PML-T107 (52X560)R	1014242	381
PML-T108 (26X280)R	1014243	381
PML-T108 (52X560)R	1014244	381
PML-T109 (26X280)R	1014245	382
PML-T109 (52X560)R	1014246	382
PML-T110 (26X280)R	1014247	383
PML-T110 (52X560)R	1014248	383
PML-W100 (100X100)R	0830431	375
PML-W100 (25X25)R	0830429	375
PML-W100 (50X50)R	0830430	375
PML-W101 (100X100)	0830435	376
PML-W101 (25X25)	0830433	376
PML-W101 (50X50)	0830434	376
PML-W200 (100X100)R	0830453	375
PML-W200 (25X25)R	0830451	375
PML-W200 (50X50)R	0830452	375
PML-W202 (25X25)	0830437	376
PML-W205 (200X200)	0830450	376
PML-W300 (105X52)R	0830460	375
PML-W300 (52X26)R	0830458	375
PML-W300 (74X37)R	0830459	375
PML-W301 (105X52)	0830463	377
PML-W301 (52X26)	0830461	377
PML-W301 (74X37)	0830462	377
PML-W400 (58/19XE)R WH-OG	1016499	377
PML-W501 (100X48)R WH-RD	1016507	377
PML-W501 (100X65)R WH-RD	1016508	377
PMLP-RFID/HF (110X38)	0831030	358
PMLP-RFID/HF (90X38)	0830956	358
PMLP-RFID/UHF (110X38)	0831031	358
PMLP-RFID/UHF (90X38)	0830957	358
PMM (EX20)R	1014303	385
PMM (EX20)R SR	1014304	385
PMM (EX20)R YE	1014305	385
PMM (EX25)R	1014306	385
PMM (EX25)R SR	1014307	385
PMM (EX25)R YE	1014308	385
PMM (EX30)R	1014309	385
PMM (EX30)R SR	1014310	385
PMM (EX30)R YE	1014311	385
PMM (EX40)R	1014312	385
PMM (EX40)R SR	1014313	385
PMM (EX40)R YE	1014314	385
PMM (EX50)R	1014315	385
PMM (EX50)R SR	1014316	385
PMM (EX50)R YE	1014317	385
PMP-RFID/HF (110X38)	0831028	359
PMP-RFID/HF (90X38)	0830954	359
PMP-RFID/UHF (110X38)	0831029	359
PMP-RFID/UHF (90X38)	0830955	359
PMP-RFID/UHF (90X38) OG	0803048	359
PMST (10X38)	0831076	365
PMST (10X38) BK	0831085	365
PMST (10X38) BN	0831083	365
PMST (10X38) BU	0831084	365
PMST (10X38) GN	0831081	365
PMST (10X38) GY	0831082	365
PMST (10X38) OG	0831078	365
PMST (10X38) RD	0831079	365
PMST (10X38) VT	0831080	365
PMST (10X38) YE	0831077	365
PMT (10X38)	0831086	364
PMT (10X38) BK	0831095	364
PMT (10X38) BN	0831093	364
PMT (10X38) BU	0831094	364
PMT (10X38) GN	0831091	364
PMT (10X38) GY	0831092	364
PMT (10X38) OG	0831088	364
PMT (10X38) RD	0831089	364
PMT (10X38) VT	0831090	364
PMT (10X38) YE	0831087	364
PPS BASIC I/M	1207585	400
PPS CD BLADE	1207572	399
PPS CD M	1207569	399
PPS CD M COHO	1208995	399
PPS CLASSIC I/M	1206256	401
PPS CLASSIC M	1206243	401
PPS HYDRAULIC CYL	1208924	401
PPS STANDARD I/M	1206230	401
PPS STANDARD M	1206175	401
PPS TABLE	1206285	399
PPS-ST (3,5X12)L	1203563	401
PPS-ST (3,5X12)Q	1203550	401
PPS-ST (3,8)	1204892	401
PPS-ST (4,3)	1202616	401
PPS-ST (4,5X12)L	1203534	401
PPS-ST (4,5X12)Q	1203547	401
PPS-ST (5,3)	1202629	401
PPS-ST (5,5X12)L	1202603	401
PPS-ST (5,5X12)Q	1203411	401
PPS-ST (6,4)	1202632	401
PPS-ST (6,5X15)L	1202593	401
PPS-ST (6,5X15)Q	1203408	401
PPS-ST (7,0)	1204889	401
PPS-ST (8,4)	1202726	401
PT/FS 2,8	1406700	498
PT/FS 4,8	1670497	498
PT/FS 6,3	0604707	498
R		
RVT-PA 3,5 BK	0830959	365
RVT-PA 4	3240498	579
RVT-PA 6	3240499	579
S		
SAC BIT HOOD-W 24	1212486	460
SAC BIT M12-D15	1208432	460
SAC BIT M12-D16	1200305	460
SAC BIT M12-W14	1212513	460
SAC BIT M8-D10	1208461	460
SAC BIT MIN-D25	1212512	460
SAC BIT QUICKON-W13	1212033	460
SACC BIT M12-D20	1208445	460
SACC BIT M8-D12	1208474	460
SCRT 9X100-120	0830975	365
SCRT 9X140-160	0830976	365
SCRT 9X16-27	0830970	365
SCRT 9X160-180	0830977	365
SCRT 9X180-200	0830978	365
SCRT 9X25-40	0830971	365
SCRT 9X40-60	0830972	365
SCRT 9X60-80	0830973	365
SCRT 9X80-100	0830974	365
SD-WMTB (100X10)	0826543	245
SD-WMTB (111X10) VA	0826608	246
SD-WMTB (30X10) VA	0826569	246
SD-WMTB (47X10) VA	0826572	246
SD-WMTB (70X10)	0826530	245
SD-WMTB (70X10) VA	0826585	246
SD-WMTB (92X10) VA	0826598	246
SD-WMTBS (CH) VA	0826640	246
SD-WMTBS (CH) YE	0826611	245
SD-WMTBS (NEUTRAL) CC	0826637	245
SD-WMTBS (NEUTRAL) VA	0826666	246
SD-WMTBS (NU) CC	0826527	245
SD-WMTBS (NU) VA	0826556	246
SD-WMTBS (S) YE	0826514	245
SD-WMTBS (SY) VA	0826653	246
SD-WMTBS (SY) YE	0826624	245
SF-ASD 16	1200294	454
SF-ASD 16 SET	1200295	454
SF-ASD 16/ACCU 1,5 AH	1200297	454
SF-ASD 16/CHARGER	1200296	454
SF-ASD 21	1212532	454
SF-ASD 21 SET 230V	1212530	454
SF-ASD 21/ACCU 1,5 AH	1212533	454
SF-ASD 21/CHARGER 230V	1212535	454
SF-BIT SET	1212545	452
SF-BIT-HEX 2,5-50	1212646	457
SF-BIT-HEX 3-50	1212647	457
SF-BIT-HEX 4-50	1212648	457
SF-BIT-HEX 5-50	1212649	457
SF-BIT-HEX 6-50	1212650	457
SF-BIT-HEX 8-50	1212651	457
SF-BIT-PH 1-50	1212579	456
SF-BIT-PH 1-70	1212582	456
SF-BIT-PH 2-50	1212580	456
SF-BIT-PH 2-70	1212583	456
SF-BIT-PH 3-50	1212581	456
SF-BIT-PH 3-70	1212584	456
SF-BIT-PHSL 1-70	1212479	457
SF-BIT-PHSL 2-70	1212601	457
SF-BIT-PZ 1-50	1212591	456
SF-BIT-PZ 1-70	1212594	456
SF-BIT-PZ 2-50	1212592	456
SF-BIT-PZ 2-70	1212595	456
SF-BIT-PZ 3-50	1212593	456
SF-BIT-PZ 3-70	1212596	456
SF-BIT-PZSL 1-70	1212603	457
SF-BIT-PZSL 2-70	1212604	457
SF-BIT-SL 0,45X2,4-70	1212607	456
SF-BIT-SL 0,5X3,0-50	1212566	456
SF-BIT-SL 0,5X3,0-70	1212567	456
SF-BIT-SL 0,6X3,5-50	1212568	456
SF-BIT-SL 0,6X3,5-70	1212569	456
SF-BIT-SL 0,8X4,0-50	1212571	456
SF-BIT-SL 0,8X4,0-70	1212572	456
SF-BIT-SL 1,0X4,0-70	1212754	456
SF-BIT-SL 1,0X5,5-50	1212574	456
SF-BIT-SL 1,0X5,5-70	1212575	456
SF-BIT-SL 1,2X6,5-70	1212577	456
SF-BIT-SLS 0,6X3,5-50	1212605	456
SF-BIT-SLS 0,9X6,5-50	1212606	456
SF-BIT-TX 10-50	1212573	457
SF-BIT-TX 15-50	1212576	457
SF-BIT-TX 20-50	1212578	457
SF-BIT-TX 25-50	1212585	457
SF-BIT-TX 30-50	1212586	457
SF-BIT-TX 40-50	1200161	457
SF-BIT-TX 8-50	1212570	457
SF-CCK 9	1212525	461
SF-LHEX SET	1212544	459
SF-LTX SET	1200162	459
SF-M BH	1212070	455
SF-M SET	1212543	452
SF-M SET 2	1212756	452
SF-PH 0-60	1212558	445
SF-PH 1-80	1212559	445
SF-PH 1-80 S-VDE	1212693	447
SF-PH 2-100	1212560	445
SF-PH 2-100 S-VDE	1212694	447
SF-PH 3-150	1212561	445
SF-PHSL 1-80 S-VDE	1212697	447
SF-PHSL 1-80 VDE	1212283	445
SF-PHSL 2-100 S-VDE	1212698	447
SF-PHSL 2-100 VDE	1212288	445
SF-PZ 0-60	1212562	445
SF-PZ 1-80	1212563	445
SF-PZ 1-80 S-VDE	1212695	447
SF-PZ 2-100	1212564	445
SF-PZ 2-100 S-VDE	1212696	447
SF-PZ 3-150	1212565	445
SF-PZSL 1-80 S-VDE	1212699	447
SF-PZSL 1-80 VDE	1212556	445
SF-PZSL 2-100 S-VDE	1212700	447
SF-PZSL 2-100 VDE	1212557	445
SF-SL 0,4X2,0-60	1212546	443
SF-SL 0,4X2,5-75	1212547	443
SF-SL 0,5X3,0-80	1212548	443
SF-SL 0,6X3,5-100	1212549	443
SF-SL 0,6X3,5-100 S-VDE	1212587	446
SF-SL 0,6X3,5-200	1212550	443
SF-SL 0,8X4,0-100	1212551	443
SF-SL 0,8X4,0-100 S-VDE	1212588	446
SF-SL 1,0X5,5-125 S-VDE	1212589	446

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Type	Order No.	Page
SF-SL 1,0X5,5-150	1212552	443
SF-SL 1,2X6,5-150	1212553	443
SF-SL/PH SET	1212541	451
SF-SL/PH SET VDE	1212539	451
SF-SL/PH/PZ-SL SET S-VDE	1212701	447
SF-SL/PZ SET	1212542	451
SF-SL/PZ SET VDE	1212540	451
SF-SLIC 1,2X7,0-125	1212554	443
SF-SLIC 1,6X10-175	1212555	443
SF-SOCKET SET 47	1200292	462
SF-THEX 10-200	1212644	459
SF-THEX 2,5-100	1212638	459
SF-THEX 2-100	1212637	459
SF-THEX 3-100	1212639	459
SF-THEX 4-150	1212640	459
SF-THEX 5-150	1212641	459
SF-THEX 6-200	1212642	459
SF-THEX 8-200	1212643	459
SF-TX 10X80 VDE	1200156	450
SF-TX 15X80 VDE	1200157	450
SF-TX 20X80 VDE	1200158	450
SF-TX 25X100 VDE	1200159	450
SF-TX 30X100 VDE	1200160	450
SF-TX 8X80 VDE	1200155	450
SF-TX SET VDE	1212537	451
SF-TXH 10X80	1200149	450
SF-TXH 15X80	1200150	450
SF-TXH 20X100	1200151	450
SF-TXH 25X100	1200152	450
SF-TXH 30X115	1200153	450
SF-TXH 8X60	1200148	450
SF-TXH SET	1212538	451
SF-UBH	1212590	455
SF-VT VDE	1212598	450
SHN 13	1209923	458
SHN 5.5	1209855	458
SHN 8	1209868	458
SK 2,54/2,8:FORTL.ZAHLEN	0804853	149
SK 2,8 WH:REEL	0805205	148
SK 3,5/2,8:FORTL.ZAHLEN	0804073	149
SK 3,8 WH:REEL	0805218	148
SK 3,81/2,8:FORTL.ZAHLEN	0804109	149
SK 5	3025338	568
SK 5,0 WH:REEL	0805221	148
SK 5,08/2,8:FORTL.ZAHLEN	0804280	149
SK 5,08/3,8:FORTL.ZAHLEN	0804293	150
SK 5-D	3025406	568
SK 5/3,8:FORTL.ZAHLEN	0804183	150
SK 6,2/3,8:FORTL.ZAHLEN	0804374	150
SK 7,5/3,8:FORTL.ZAHLEN	0804455	150
SK 7,5/5:FORTL.ZAHLEN	0804468	151
SK 7,62/3,8:FORTL.ZAHLEN	0804549	150
SK 7,62/5:FORTL.ZAHLEN	0804552	151
SK 8	3025163	568
SK 8-D	3026861	568
SK 10,0 WH:REEL	0812188	148
SK 14	3025176	568
SK 14-D	3026874	568
SK 20	3025189	568
SK 20-D	3026887	568
SK 28	3026997	568
SK 28-D	3027006	568
SK 35	3026463	568
SK 35-D	3026890	568
SK U SR:UNGESTANZT	0800145	344
SK U TR:UNGESTANZT	0806699	344
SK U WH:UNGESTANZT	0800129	344
SK U YE:UNGESTANZT	0800132	344
SK U/2,8 WH:UNBEDRUCKT	0803883	148
SK U/3,8 WH:UNBEDRUCKT	0803906	148
SK U/5,0 WH:UNBEDRUCKT	0803922	148
SKS 14	3240211	569
SKS 14-D	3240214	569
SKS 14-NS35	3240217	569
SKS 14-SNS35	3062799	569
SKS 20	3240212	569
SKS 20-D	3240215	569
SKS 20-NS35	3240218	569
SKS 20-SNS35	3062809	569
SKS 32-D	3062906	569
SKS 8	3240210	569
SKS 8-D	3240213	569
SKS 8-NS35	3240216	569
SKS 8-SNS35	3062786	569
SS-ZB WH	5031171	242
SS-ZB YE	5031650	242
SSMK 60X18	5032439	352
SSMK 96X30	5032442	352
ST-BW	1207608	449
ST-BW 0	1200135	449
STP 3,5-2	0830131	154
STP 3,5-3	0830132	154
STP 4-2	0810575	154
STP 4-2-ZB	3038613	154
STP 5-2	0800967	154
STP 5-2-ZB	3037643	154
STP 5-2/S	0800970	154
STP 5-3	0810562	154
SZF 0-0,4X2,5	1204504	448
SZF 1-0,6X3,5	1204517	448
SZF 2-0,8X4,0	1204520	448
SZF 3-1,0X5,5	1206612	448
SZG 0,6X3,5 VDE	1205121	445
SZG 0,9X6,5 VDE	1205134	445
SZK PH0 VDE	1205147	444
SZK PH1 VDE	1205150	444
SZK PH2 VDE	1205163	444
SZK PH3 VDE	1212536	444
SZK PZ0 VDE	1206447	444
SZK PZ1 VDE	1206450	444
SZK PZ2 VDE	1206463	444
SZK PZ3 VDE	1212599	444
SZS 0,4X2,5 VDE	1205037	442
SZS 0,5X3,0 VDE	1207404	442
SZS 0,6X2,5 VDE	1205040	442
SZS 0,6X3,5	1205053	449
SZS 0,6X3,5 VDE	1212602	442
SZS 0,8X4,0 VDE	1212508	442
SZS 1,0X4,0 VDE	1205066	442
SZS 1,0X5,5 VDE	1209114	442
SZS 1,0X6,5 VDE	1205079	442
SZS 1,2X8,0 VDE	1205082	442

T

Type	Order No.	Page
TESTFOX CC-1	1212211	463
TESTFOX M-1	1212209	464
THERMOFOX	0803984	43
THERMOFOX CN	0803985	43
THERMOFOX RU	1037760	43
THERMOFOX SET	0803986	43
THERMOFOX SET CN	0803987	43
THERMOFOX SET RU	1037743	43
THERMOFOX/ACCU	0805009	43
THERMOFOX/ADAPTER	0805010	43
THERMOFOX/BAG	0805003	43
THERMOFOX/BELT CLIP	0805004	43
THERMOFOX/CASE	0805002	43
THERMOFOX/CHARGER	0805012	43
THERMOFOX/MAGNET HOLDER	0805008	43
THERMOMARK CARD 2.0	1085267	35
THERMOMARK CARD-UCT-MAG26	0802988	610
THERMOMARK CARD-US-MAG1	5146451	608
THERMOMARK PRIME	5148888	34
THERMOMARK ROLL 2.0	1085260	40
THERMOMARK ROLL-CUTTER	5146422	40
THERMOMARK ROLL-CUTTER/P	5146435	40
THERMOMARK ROLL-ERH	5146448	40
THERMOMARK ROLLMASTER 300	0804501	41
THERMOMARK ROLLMASTER 600	0804663	41
THERMOMARK ROLLMASTER-CASE	0804643	41
THERMOMARK ROLLMASTER-CUTTER	0804502	41
THERMOMARK ROLLMASTER-CUTTER/P	0804503	41
THERMOMARK W2	5146147	42
THERMOMARK-RIBBON 110	5145384	40
THERMOMARK-RIBBON 110-EML-HT	0800342	335
THERMOMARK-RIBBON 110-TC	0801371	35
THERMOMARK-RIBBON 110-WMSU	0801358	40
THERMOMARK-RIBBON 110-WMSU WH	0801359	42
THERMOMARK-RIBBON 110-WMTB HF	5148007	40
THERMOMARK-RIBBON 110/50	0800687	144
THERMOMARK-RIBBON 25-WMSU	0803390	42
THERMOMARK-RIBBON 64-WMSE	5145724	42
THERMOMARK-RIBBON 64-WMSU	0801360	42
THERMOMARK-RIBBON 64-WMSU WH	0801361	42
TL CASE	0800613	35
TL CASE TROLLY	0803337	35
TM-RIBBON 110 WH 100	0804661	35
TM-RIBBON 110-EX	0803211	338
TM-RIBBON 110-TC/TR WH	1014402	35
TM-RIBBON 110-WMTB HF WH	0802990	232
TM-RIBBON 25 BK 102	1053499	42
TML (101X4,2)R TR	0816621	144
TML (101X9,5)R TR	0816647	144
TML (104X10)R	0801835	146
TML (104X2,8)R	0801832	146
TML (104X3,8)R	0801833	146
TML (104X5)R	0801834	146
TML (EX10)R	0801839	147
TML (EX10)RL	1067779	147
TML (EX2,8)R	0801836	147
TML (EX3,8)R	0801837	147
TML (EX5)R	0801838	147
TML (EX6)RL	1026829	147
TML (EX7)R	0830837	147
TML (EX7)R SR	0830838	147
TML (EX9,5)R TR	0816634	145
TMN-ADAPTER PLATE-LS	1012104	32
TMN-BP	1012081	32
TMN-EXTRACTION	1012102	32
TMN-EXTRACTION HOSE	1012101	32
TMN-HANDLE SET	1012105	32
TMN-PRE FILTER	1012100	32
TMP BAG	0803674	34
TMP CASE	0803675	34
TMP-RIBBON 110 BK 100	0803374	34
TMP-RIBBON 110 WH 100	0803376	34
TMP-UCT-MAG1	0803342	36
TMP-UCT-MAG10	0803352	36
TMP-UCT-MAG11	0803353	36
TMP-UCT-MAG12	0803354	36
TMP-UCT-MAG13	0803355	36
TMP-UCT-MAG14	0803356	36
TMP-UCT-MAG15	0803357	36
TMP-UCT-MAG16	0803358	36
TMP-UCT-MAG17	0803360	36
TMP-UCT-MAG18	0803361	36
TMP-UCT-MAG19	0803363	36
TMP-UCT-MAG2	0803343	36
TMP-UCT-MAG20	0803364	36
TMP-UCT-MAG21	0803365	36
TMP-UCT-MAG22	0803366	36
TMP-UCT-MAG23	0803367	36
TMP-UCT-MAG24	0803368	36
TMP-UCT-MAG25	0803369	37
TMP-UCT-MAG26	0803370	37
TMP-UCT-MAG27	0803371	37
TMP-UCT-MAG28	0803372	37
TMP-UCT-MAG29	0803373	37
TMP-UCT-MAG3	0803344	36
TMP-UCT-MAG30	0804461	37
TMP-UCT-MAG31	1025505	37
TMP-UCT-MAG32	1082129	37
TMP-UCT-MAG33	1082130	37
TMP-UCT-MAG4	0803345	36
TMP-UCT-MAG5	0803347	36
TMP-UCT-MAG6	0803348	36
TMP-UCT-MAG7	0803349	36
TMP-UCT-MAG8	0803350	36
TMP-UCT-MAG9	0803351	36
TMP-UM-MAG1	0831200	39
TMP-UM-MAG10	0803334	39
TMP-UM-MAG11	0803681	39
TMP-UM-MAG3	0831202	39
TMP-UM-MAG4	0831203	39
TMP-UM-MAG5	0803328	39
TMP-UM-MAG6	0803329	39
TMP-UM-MAG7	0803330	39
TMP-UM-MAG8	0803331	39
TMP-UM-MAG9	0803332	39
TMP-US-MAG1	0803341	38
TMP/ACCU	0803668	34
TMP/ACCU COVER	0803669	34
TMP/CHARGER	0803670	34
TMP/CHARGER CABLE VEHICLE 12V	0803671	34
TMP/EXT.POWER-SUPPLY 100-240V	0803672	34
TMT 4 R	0816375	140
TMT 5 R	0816430	140
TMT 6 R	0816498	140
TMT 8 R	0816553	140
TMT 10 R	0816210	140
TMT (EX10)R	0803068	142
TMT (EX10,5)R	0803070	142
TMT (EX12)R	0803071	142
TMT (EX5,5)R	0803062	142
TMT (EX6,2)R	0803063	142
TMT (EX6,3)R	0803998	142
TMT (EX6,5)R	0803064	142
TMT (EX7,5)R	0803065	142
TMT (EX8)R	0803066	142
TMT (EX8,5)R	0803067	142
TMT (EX9,5)R	0828295	142
TMT 100 R	0816605	140
TMT TOOL	0816650	140
TMT2 (EX11)R	0802683	142
TOOL DATA SET	1208856	470
TOOL SET ALLROUND 2	1208843	471
TOOL-BAG	1212504	469
TOOL-BAG CUS	1200081	476
TOOL-BAG EMPTY	1212500	469
TOOL-BAG EMPTY CUS	8191308	478
TOOL-BELTPOUCH	1212506	468
TOOL-BELTPOUCH CUS	1200084	477
TOOL-BELTPOUCH EMPTY	1212502	468
TOOL-BELTPOUCH EMPTY CUS	8191311	479
TOOL-CARRIER	1212503	469
TOOL-CARRIER CUS	1200082	476
TOOL-CARRIER EMPTY	1212499	469
TOOL-CARRIER EMPTY CUS	8191310	478
TOOL-CASE	1212629	476
TOOL-CASE CUS	1200072	476
TOOL-CASE EMPTY	1212628	476
TOOL-CASE EMPTY CUS	8191312	478
TOOL-KIT CUS	1200085	477
TOOL-KIT SOLAR	1212071	467
TOOL-KIT STANDARD	1212422	467
TOOL-KIT STANDARD EMPTY	1212423	466
TOOL-KIT STANDARD EMPTY CUS	8191307	479
TOOL-SET ALLROUND 3	1208953	471
TOOL-WRAP	1212505	465
TOOL-WRAP CUS	1200083	477
TOOL-WRAP EMPTY	1212501	465
TOOL-WRAP EMPTY CUS	8191309	479
TOOL-WRAP-2	1200100	465
TOPMARK LASER CARBON FILTER	0803306	32
TOPMARK LASER CLEANING NOZZLE	0803310	32
TOPMARK LASER HEPA FILTER	0803305	32
TOPMARK LASER-MAG SHEET	0831836	189
TOPMARK NEO	1012015	32
TOPMARK NEO SET	1012018	32
TR-PRESSURE ROLLER DR4-50	0801800	40
TR-PRESSURE ROLLER STANDARD	0801802	40
TRM-ADAPTER SCREW	0804653	41
TRM-PRESSURE ROLLER 4-50	0804656	41
TRM-PRESSURE ROLLER STANDARD	0804655	41
TSD 02 SAC	1208487	460
TSD 04 SAC	1208429	460
TSD 08 SAC	1212597	460
TSD 20 SAC	1212020	460
TSD 25 SAC	1212315	460
TSD-M 1,2NM	1212224	453
TSD-M 3NM	1212225	453
TSD-M 6NM	1212226	453
TSD-M SAC-BIT ADAPTER	1212600	460

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Type	Order No.	Page
U		
UBE	0800310	542
UBE/D	0800307	543
UBE/D (60X10)	0803719	543
UBE/D N+C	0803122	543
UC-EM (10X7)	0825487	303
UC-EM (10X7) TQ	0825488	303
UC-EM (10X8)	0825491	303
UC-EM (10X8) TQ	0825492	303
UC-EM (17,5X7,5)	0825495	303
UC-EM (17,5X8)	0823766	303
UC-EM (17,5X9)	0827490	304
UC-EM (17,5X9) YE	0827494	304
UC-EM (18X8)	0825497	304
UC-EM (19X9)	0827492	304
UC-EM (19X9) YE	0827496	304
UC-EM (20X7)	0825499	304
UC-EM (20X7) TQ	0825500	304
UC-EM (20X9)	0825503	305
UC-EM (20X9) BU	1017723	305
UC-EM (20X9) GN	1017721	305
UC-EM (20X9) RD	1017722	305
UC-EM (20X9) SR	1057865	305
UC-EM (20X9) TQ	0825504	305
UC-EM (20X9) YE	0827637	305
UC-EM (21X8)	0825507	305
UC-EMLP (11X9)	0819291	298
UC-EMLP (11X9) SR	0828094	298
UC-EMLP (11X9) YE	0822602	298
UC-EMLP (15X5)	0819301	298
UC-EMLP (15X5) SR	0828095	298
UC-EMLP (15X5) YE	0822615	298
UC-EMLP (17X15)	0827885	298
UC-EMLP (17X15) SR	0827887	298
UC-EMLP (17X15) YE	0827886	298
UC-EMLP (17X9)	0819314	298
UC-EMLP (17X9) SR	0828096	298
UC-EMLP (17X9) YE	0822628	298
UC-EMLP (20X8)	0819327	298
UC-EMLP (20X8) SR	0828097	298
UC-EMLP (20X8) YE	0822631	298
UC-EMLP (22X22)	0825463	298
UC-EMLP (22X22) SR	0825465	298
UC-EMLP (22X22) YE	0825464	298
UC-EMLP (22X22)-EX	0803224	299
UC-EMLP (27X12,5)	0825469	298
UC-EMLP (27X12,5) BU	0830853	298
UC-EMLP (27X12,5) GN	0830854	298
UC-EMLP (27X12,5) SR	0825471	298
UC-EMLP (27X12,5) YE	0825470	298
UC-EMLP (27X15)	0827894	298
UC-EMLP (27X15) SR	0827896	298
UC-EMLP (27X15) YE	0827895	298
UC-EMLP (27X18)	0825475	298
UC-EMLP (27X18) SR	0825477	298
UC-EMLP (27X18) YE	0825476	298
UC-EMLP (27X18)-EX	0803225	299
UC-EMLP (27X27)	0825481	298
UC-EMLP (27X27) SR	0825483	298
UC-EMLP (27X27) YE	0825482	298
UC-EMLP (27X27)-EX	0803226	299
UC-EMLP (49X15)	0827903	298
UC-EMLP (49X15) SR	0827905	298
UC-EMLP (49X15) YE	0827904	298
UC-EMLP (49X15)-EX	0803227	299
UC-EMLP (60X15)	0819330	298
UC-EMLP (60X15) SR	0828088	298
UC-EMLP (60X15) YE	0822644	298
UC-EMLP (60X30)	0819343	298
UC-EMLP (60X30) SR	0828091	298
UC-EMLP (60X30) YE	0822657	298
UC-EMLP (60X30)-EX	0803228	299
UC-EMP (17X15)	0825421	301
UC-EMP (17X15) SR	0825423	301
UC-EMP (17X15) YE	0825422	301
UC-EMP (27X12,5)	0825433	302
UC-EMP (27X12,5) SR	0825435	302
UC-EMP (27X12,5) YE	0825434	302
UC-EMP (27X15)	0825439	301
UC-EMP (27X15) SR	0825441	301
UC-EMP (27X15) YE	0825440	301
UC-EMP (27X18)	0825445	302
UC-EMP (27X18) SR	0825447	302
UC-EMP (27X18) YE	0825446	302
UC-EMP (27X27)	0825451	302
UC-EMP (27X27) SR	0825453	302
UC-EMP (27X27) YE	0825452	302
UC-EMP (27X8)	0825427	302
UC-EMP (27X8) SR	0825429	302
UC-EMP (27X8) YE	0825428	302
UC-EMP (49X15)	0825457	301
UC-EMP (49X15) SR	0825459	301
UC-EMP (49X15) YE	0825458	301
UC-EMP (60X15)	0822259	301
UC-EMP (60X15) SR	0827647	301
UC-EMP (60X15) YE	0825330	301
UC-EMP (60X30)	0822275	301
UC-EMP (60X30) SR	0827648	301
UC-EMP (60X30) YE	0825331	301
UC-EMSP (50X15)	0828706	300
UC-EMSP (50X15) BU	0803134	300
UC-EMSP (50X15) RD	0803135	300
UC-EMSP (50X15) SR	0828708	300
UC-EMSP (50X15) YE	0828707	300
UC-EMSP (50X30)	0828709	300
UC-EMSP (50X30) SR	0828711	300
UC-EMSP (50X30) YE	0828710	300
UC-PMLP (110X38)	0831020	360
UC-PMLP (90X38)	0831017	360
UC-PMP (110X38)	0831019	361
UC-PMP (90X38)	0831016	361
UC-PMP (90X38) BU	0831048	361
UC-PMP (90X38) VT	0831047	361
UC-PMP (90X38) YE	0831046	361
UC-TM 4	0818111	110
UC-TM 4 BU	0818247	110
UC-TM 4 RD	0818250	110
UC-TM 4 YE	0818234	110
UC-TM 5	0818108	110
UC-TM 5 BU	0818292	110
UC-TM 5 RD	0818302	110
UC-TM 5 YE	0818289	110
UC-TM 6	0818085	110
UC-TM 6 BU	0818344	110
UC-TM 6 RD	0818357	110
UC-TM 6 YE	0818331	110
UC-TM 8	0818072	110
UC-TM 8 BU	0818399	110
UC-TM 8 RD	0818409	110
UC-TM 8 YE	0818386	110
UC-TM 10	0818069	111
UC-TM 10 BU	0818441	111
UC-TM 10 RD	0818454	111
UC-TM 10 YE	0818438	111
UC-TM 12	0819194	111
UC-TM 12 BU	0817785	111
UC-TM 12 RD	0817701	111
UC-TM 12 YE	0819204	111
UC-TM 16	0819217	111
UC-TM 16 BU	0817769	111
UC-TM 16 RD	0817798	111
UC-TM 16 YE	0819220	111
UC-TMF 4	0818166	112
UC-TMF 4 BU	0818496	112
UC-TMF 4 RD	0818506	112
UC-TMF 4 YE	0818483	112
UC-TMF 5	0818153	112
UC-TMF 5 BU	0818548	112
UC-TMF 5 RD	0818551	112
UC-TMF 5 YE	0818535	112
UC-TMF 6	0818140	112
UC-TMF 6 BU	0818593	112
UC-TMF 6 RD	0818603	112
UC-TMF 6 YE	0818580	112
UC-TMF 8	0818137	112
UC-TMF 8 BU	0818645	112
UC-TMF 8 RD	0818658	112
UC-TMF 8 YE	0818632	112
UC-TMF 10	0818124	113
UC-TMF 10 BU	0818690	113
UC-TMF 10 RD	0818700	113
UC-TMF 10 YE	0818687	113
UC-TMF 12	0819233	113
UC-TMF 12 BU	0817853	113
UC-TMF 12 RD	0817840	113
UC-TMF 12 YE	0819246	113
UC-TMF 16	0819262	113
UC-TMF 16 BU	0817905	113
UC-TMF 16 RD	0817824	113
UC-TMF 16 YE	0819259	113
UC-TMF 5 (5X7)	0820044	112
UC-TMN 10	0828554	114
UC-TMN 5,2	0822945	114
UC-TMN 7,5	0821823	114
UC-WMC 1,9 (15X4)	0828004	194
UC-WMC 1,9 (15X4) BU	0828010	194
UC-WMC 1,9 (15X4) RD	0828006	194
UC-WMC 1,9 (15X4) YE	0828008	194
UC-WMC 1,9 (30X4)	0830283	194
UC-WMC 3,1 (15X4)	0818205	195
UC-WMC 3,1 (15X4) BU	0818742	195
UC-WMC 3,1 (15X4) RD	0818755	195
UC-WMC 3,1 (15X4) YE	0818739	195
UC-WMC 3,1 (23X4)	0818218	195
UC-WMC 3,1 (23X4) BU	0818797	195
UC-WMC 3,1 (23X4) RD	0818807	195
UC-WMC 3,1 (23X4) YE	0818784	195
UC-WMC 3,1 (30X4)	0819631	195
UC-WMC 3,1 (30X4) BU	0820756	195
UC-WMC 3,1 (30X4) RD	0820769	195
UC-WMC 3,1 (30X4) YE	0819644	195
UC-WMC 4,4 (15X5,5)	0818182	196
UC-WMC 4,4 (15X5,5) BU	0818849	196
UC-WMC 4,4 (15X5,5) RD	0818852	196
UC-WMC 4,4 (15X5,5) YE	0818836	196
UC-WMC 4,4 (23X5,5)	0818195	196
UC-WMC 4,4 (23X5,5) BU	0818894	196
UC-WMC 4,4 (23X5,5) RD	0818904	196
UC-WMC 4,4 (23X5,5) YE	0818881	196
UC-WMC 4,4 (30X5,5)	0819657	196
UC-WMC 4,4 (30X5,5) BU	0820879	196
UC-WMC 4,4 (30X5,5) RD	0820882	196
UC-WMC 5,6 (23X8)	0825382	197
UC-WMC 5,6 (23X8) BU	0825383	197
UC-WMC 5,6 (23X8) RD	0825387	197
UC-WMC 5,6 (23X8) YE	0825386	197
UC-WMC 5,6 (30X8)	0825396	197
UC-WMC 5,6 (30X8) BU	0825397	197
UC-WMC 5,6 (30X8) RD	0825401	197
UC-WMC 5,6 (30X8) YE	0825400	197
UC-WMC 7,5 (23X8)	0818179	197
UC-WMC 7,5 (23X8) BU	0818946	197
UC-WMC 7,5 (23X8) RD	0819039	197
UC-WMC 7,5 (23X8) YE	0818933	197
UC-WMC 7,5 (30X8)	0819673	197
UC-WMC 7,5 (30X8) BU	0820950	197
UC-WMC 7,5 (30X8) RD	0820963	197
UC-WMC 7,5 (30X8) YE	0819686	197
UC-WMCO 1,6 (12X3)	0827092	198
UC-WMCO 1,6 (12X3) BU	0827514	198
UC-WMCO 1,6 (12X3) RD	0827516	198
UC-WMCO 1,6 (12X3) YE	0827513	198
UC-WMCO 1,6 (21X3)	0827106	198
UC-WMCO 1,6 (21X3) BU	0827526	198
UC-WMCO 1,6 (21X3) RD	0827528	198
UC-WMCO 1,6 (21X3) YE	0827525	198
UC-WMCO 2,1 (12X3)	0827120	198
UC-WMCO 2,1 (12X3) BU	0827538	198
UC-WMCO 2,1 (12X3) RD	0827540	198
UC-WMCO 2,1 (12X3) YE	0827537	198
UC-WMCO 2,1 (21X3)	0827134	198
UC-WMCO 2,1 (21X3) BU	0807550	198
UC-WMCO 2,1 (21X3) RD	0827552	198
UC-WMCO 2,1 (21X3) YE	0827549	198
UC-WMCO 2,1 TOOL	0827803	198
UC-WMCO 2,9 (12X3,5)	0827148	199
UC-WMCO 2,9 (12X3,5) BU	0827562	199
UC-WMCO 2,9 (12X3,5) RD	0827564	199
UC-WMCO 2,9 (12X3,5) YE	0827561	199
UC-WMCO 2,9 (21X3,5)	0827162	199
UC-WMCO 2,9 (21X3,5) BU	0827574	199
UC-WMCO 2,9 (21X3,5) RD	0827576	199
UC-WMCO 2,9 (21X3,5) YE	0827573	199
UC-WMCO 3,6 (12X4,5)	0827176	199
UC-WMCO 3,6 (12X4,5) BU	0827586	199
UC-WMCO 3,6 (12X4,5) RD	0827588	199
UC-WMCO 3,6 (12X4,5) YE	0827585	199
UC-WMCO 3,6 (21X4,5)	0827190	199
UC-WMCO 3,6 (21X4,5) BU	0827598	199
UC-WMCO 3,6 (21X4,5) RD	0827600	199
UC-WMCO 3,6 (21X4,5) YE	0827597	199
UC-WMCO 3,6 TOOL	0827804	199
UC-WMCO 4,9 (12X5)	0827733	200
UC-WMCO 4,9 (12X5) BU	0827735	200
UC-WMCO 4,9 (12X5) RD	0827737	200
UC-WMCO 4,9 (12X5) YE	0827734	200
UC-WMCO 4,9 (21X5)	0827747	200
UC-WMCO 4,9 (21X5) BU	0827749	200
UC-WMCO 4,9 (21X5) RD	0827751	200
UC-WMCO 4,9 (21X5) YE	0827748	200
UC-WMCO 5,8 TOOL	0827805	200
UC-WMCO TOOL SET	0827807	198
UC-WMT (10X4)	0819372	202
UC-WMT (10X4) BU	0820992	202
UC-WMT (10X4) RD	0821001	202
UC-WMT (10X4) YE	0819385	202
UC-WMT (12X4)	0823517	202
UC-WMT (12X4) BU	0823575	202
UC-WMT (12X4) RD	0823614	202
UC-WMT (12X4) YE	0823591	202
UC-WMT (15X4)	0819398	202
UC-WMT (15X4) BU	0821030	202
UC-WMT (15X4) RD	0821043	202
UC-WMT (15X4) YE	0819408	202
UC-WMT (18X4)	0820293	202
UC-WMT (18X4) BU	0821072	202
UC-WMT (18X4) RD	0821085	202
UC-WMT (18X4) YE	0820303	202
UC-WMT (23X4)	0819411	203
UC-WMT (23X4) BU	0821111	203
UC-WMT (23X4) RD	0821124	203
UC-WMT (23X4) SR	0802719	203
UC-WMT (23X4) YE	0819424	203
UC-WMT (30X4)	0819437	203
UC-WMT (30X4) BU	0821153	203
UC-WMT (30X4) RD	0821166	203
UC-WMT (30X4) YE	0819440	203
UC-WMTB (44X15)	0828376	204
UC-WMTB (44X15) BU	0828381	204
UC-WMTB (44X15) RD	0828377	204
UC-WMTB (44X15) YE	0828379	204
UC-WMTB (52X30)	5775288	204
UC-WMTB (52X50)	5775289	204
UC-WMTBA (24X5)	0820426	205
UC-WMTBA (24X5) BU	0820552	205
UC-WMTBA (24X5) RD	0820565	205
UC-WMTBA (24X5) YE	0820439	205
UC-WMTBA (29X8)	0820183	205
UC-WMTBA (29X8) BU	0820594	205
UC-WMTBA (29X8) RD	0820604	205
UC-WMTBA (29X8) YE	0820390	205
UC-WMTBA (60X11)	0820468	205
UC-WMTBA (60X11) BU	0820633	205
UC-WMTBA (60X11) RD	0820646	205
UC-WMTBA (60X11) YE	0820471	205
UC1-TM 5	0821784	156
UC1-TM 5 BU	0828188	156
UC1-TM 5 RD	0828185	156
UC1-TM 5 YE	0828187	156
UC1-TM 6	0821247	156
UC1-TM 6 BU	0828193	156
UC1-TM 6 RD	0828190	156
UC1-TM 6 YE	0828192	156
UC1-TM 8	0821739	156
UC1-TM 8 BU	0828198	156
UC1-TM 8 RD	0828195	156
UC1-TM 8 YE	0828197	156

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Type	Order No.	Page
UC1-TMF 4	0821360	157
UC1-TMF 4 BU	0828203	157
UC1-TMF 4 RD	0828200	157
UC1-TMF 4 YE	0828202	157
UC1-TMF 5	0821425	157
UC1-TMF 5 BU	0828207	157
UC1-TMF 5 RD	0828205	157
UC1-TMF 5 YE	0828127	157
UC1-TMF 6	0821483	157
UC1-TMF 6 BU	0828212	157
UC1-TMF 6 RD	0828209	157
UC1-TMF 6 YE	0828211	157
UC1-TMF 8	0821548	157
UC1-TMF 8 BU	0828217	157
UC1-TMF 8 RD	0828214	157
UC1-TMF 8 YE	0828216	157
UC1U-TM 5	0821302	156
UC2-TM 4	0821713	158
UC2-TM 5	0821690	158
UC2-TM 6	0821674	158
UC2-TM 8	0821755	158
UC2F-TM 4	0822178	159
UC2F-TM 5	0822181	159
UC2F-TM 5 YE	1057110	159
UC2F-TM 6	0822194	159
UC2F-TM 8	0822204	159
UC3-TM 5	0822369	160
UC3-TM 6	0822385	160
UC3-TM 8	0822408	160
UC4-TM 5	0828415	161
UCT-EM (10X5)	0801470	307
UCT-EM (10X7)	0801498	307
UCT-EM (10X7) TQ	0801499	307
UCT-EM (10X7) YE	0803483	307
UCT-EM (10X8)	0801485	307
UCT-EM (10X8) TQ	0801486	307
UCT-EM (10X8) YE	0803482	307
UCT-EM (12X3,3)	0801502	308
UCT-EM (12X3,3) YE	1057107	308
UCT-EM (12X6)	0801503	308
UCT-EM (12X6) YE	1049774	308
UCT-EM (12X7)	0801501	308
UCT-EM (12X8)	1058146	308
UCT-EM (15X10)	0801504	308
UCT-EM (17,5X7,5)	0801482	309
UCT-EM (17,5X8)	0801496	310
UCT-EM (17,5X9)	0801491	310
UCT-EM (17,5X9) YE	0801492	310
UCT-EM (17X10)	0801483	309
UCT-EM (17X10) YE	0801484	309
UCT-EM (17X8)	0801842	309
UCT-EM (17X9)	0801475	309
UCT-EM (17X9) YE	0801476	309
UCT-EM (18X8)	0801488	310
UCT-EM (20X7)	0801494	310
UCT-EM (20X7) TQ	0801495	310
UCT-EM (20X7) YE	0803481	310
UCT-EM (20X8)	0801477	311
UCT-EM (20X9)	0801471	311
UCT-EM (20X9) TQ	0801473	311
UCT-EM (20X9) YE	0801472	311
UCT-EM (21X8)	0801489	311
UCT-EM (30X5)	0801505	152
UCT-EM (30X5) YE	0830340	152
UCT-EM (5X10)	0801497	307
UCT-EM (6X10)	0801493	307
UCT-EM (7X10)	0830765	306
UCT-EMNP (12,5X6)	1025150	311
UCT-EMP (25X6)	1014117	238
UCT-EMP (29X8)	1014118	239
UCT-EMP (40X17)	1014120	239
UCT-EMP (60X15)	1014119	239
UCT-TM 10	0829142	133
UCT-TM 10 BU	0829172	133
UCT-TM 10 RD	0829169	133
UCT-TM 10 YE	0829143	133
UCT-TM 12	0829144	133
UCT-TM 12 BU	0829177	133
UCT-TM 12 RD	0829174	133
UCT-TM 12 YE	0829145	133
UCT-TM 16	0829146	133
UCT-TM 16 BU	0829182	133
UCT-TM 16 RD	0829179	133
UCT-TM 16 YE	0829147	133
UCT-TM 3,5	0829484	132
UCT-TM 3,5 BU	0829508	132
UCT-TM 3,5 RD	0829505	132
UCT-TM 3,5 YE	0829485	132
UCT-TM 4	0828732	132
UCT-TM 4 BU	0829152	132
UCT-TM 4 RD	0829149	132
UCT-TM 4 YE	0828733	132
UCT-TM 5	0828734	132
UCT-TM 5 BU	0829157	132
UCT-TM 5 RD	0829154	132
UCT-TM 5 YE	0828735	132
UCT-TM 6	0828736	132
UCT-TM 6 BU	0829162	132
UCT-TM 6 RD	0829159	132
UCT-TM 6 YE	0828737	132
UCT-TM 7,62	0828738	133
UCT-TM 7,62 BU	0829513	133
UCT-TM 7,62 RD	0829510	133
UCT-TM 7,62 YE	0828739	133
UCT-TM 8	0828740	133
UCT-TM 8 BU	0829167	133
UCT-TM 8 RD	0829164	133
UCT-TM 8 YE	0828741	133
UCT-TMF 10	0829204	135
UCT-TMF 10 BU	0829209	135
UCT-TMF 10 RD	0829205	135
UCT-TMF 10 YE	0829207	135
UCT-TMF 12	0829214	135
UCT-TMF 12 BU	0829216	135
UCT-TMF 12 RD	0829212	135
UCT-TMF 12 YE	0829211	135
UCT-TMF 16	0829218	135
UCT-TMF 16 BU	0829223	135
UCT-TMF 16 RD	0829219	135
UCT-TMF 16 YE	0829221	135
UCT-TMF 3,5	0829486	134
UCT-TMF 3,5 BU	0829518	134
UCT-TMF 3,5 RD	0829515	134
UCT-TMF 3,5 YE	0829487	134
UCT-TMF 4	0828742	134
UCT-TMF 4 BU	0829187	134
UCT-TMF 4 RD	0829184	134
UCT-TMF 4 YE	0828743	134
UCT-TMF 5	0828744	134
UCT-TMF 5 BU	0829192	134
UCT-TMF 5 RD	0829189	134
UCT-TMF 5 YE	0828745	134
UCT-TMF 6	0828746	134
UCT-TMF 6 BU	0829197	134
UCT-TMF 6 RD	0829194	134
UCT-TMF 6 YE	0828747	134
UCT-TMF 8	0828748	135
UCT-TMF 8 BU	0829202	135
UCT-TMF 8 RD	0829199	135
UCT-TMF 8 YE	0828749	135
UCT-WMCO 1,9 (23X4)	0832100	209
UCT-WMCO 2,9 (12X4)	0830780	209
UCT-WMCO 2,9 (12X4) YE	0831204	209
UCT-WMCO 2,9 (18X4)	0830781	209
UCT-WMCO 2,9 (18X4) YE	0831205	209
UCT-WMCO 2,9 (23X4)	0832101	209
UCT-WMCO 3,5 (12X4)	0830782	209
UCT-WMCO 3,5 (12X4) YE	0831206	209
UCT-WMCO 3,5 (18X4)	0830783	209
UCT-WMCO 3,5 (18X4) YE	0831207	209
UCT-WMCO 3,5 (23X4)	0832102	209
UCT-WMCO 4,1 (12X4)	0830784	209
UCT-WMCO 4,1 (12X4) YE	0831208	209
UCT-WMCO 4,1 (18X4)	0830785	209
UCT-WMCO 4,1 (18X4) YE	0831209	209
UCT-WMCO 4,1 (23X4)	0832103	209
UCT-WMCO 4,7 (12X4)	0830786	209
UCT-WMCO 4,7 (12X4) YE	0831210	209
UCT-WMCO 4,7 (18X4)	0830787	209
UCT-WMCO 4,7 (18X4) YE	0831211	209
UCT-WMCO 4,7 (23X4)	0832104	209
UCT-WMCO 5,4 (23X8)	0832105	209
UCT-WMCO 6,1 (23X8)	0832106	209
UCT-WMCO 6,8 (23X8)	0832107	209
UCT-WMCO 7,5 (23X8)	0832108	209
UCT-WMS 3,2 (12X4)	0828570	208
UCT-WMS 3,2 (12X4) YE	0828572	208
UCT-WMS 4,7 (12X5,5)	0828571	208
UCT-WMS 4,7 (12X5,5) YE	0828573	208
UCT-WMT (10X4)	0801430	206
UCT-WMT (10X4) BU	0801437	206
UCT-WMT (10X4) RD	0801433	206
UCT-WMT (10X4) YE	0801431	206
UCT-WMT (12X4)	0801438	206
UCT-WMT (12X4) BU	0801444	206
UCT-WMT (12X4) RD	0801440	206
UCT-WMT (12X4) YE	0801439	206
UCT-WMT (15X4)	0801446	206
UCT-WMT (15X4) BU	0801452	206
UCT-WMT (15X4) RD	0801448	206
UCT-WMT (15X4) YE	0801447	206
UCT-WMT (18X4)	0801462	206
UCT-WMT (18X4) BU	0801468	206
UCT-WMT (18X4) RD	0801464	206
UCT-WMT (18X4) YE	0801463	206
UCT-WMT (23X4)	0801453	207
UCT-WMT (23X4) BU	0801460	207
UCT-WMT (23X4) RD	0801455	207
UCT-WMT (23X4) YE	0801454	207
UCT-WMT (30X4)	0801422	207
UCT-WMT (30X4) BU	0801428	207
UCT-WMT (30X4) RD	0801424	207
UCT-WMT (30X4) YE	0801423	207
UCT-WMTBA (24X4)	1014082	210
UCT-WMTBA (24X4) YE	1014083	210
UCT-WMTBA (29X6)	1014084	210
UCT-WMTBA (29X6) YE	1014085	210
UCT-WMTBA (40X17)	1014086	210
UCT-WMTBA (40X17) YE	1014087	210
UCT1-TM 5	0829482	162
UCT1-TM 5 BU	0829229	162
UCT1-TM 5 RD	0829226	162
UCT1-TM 5 YE	0829228	162
UCT1-TM 6	0829483	162
UCT1-TM 6 BU	0829235	162
UCT1-TM 6 RD	0829232	162
UCT1-TM 6 YE	0829234	162
UCT1-TMF 5	0829237	162
UCT1-TMF 5 BU	0829241	162
UCT1-TMF 5 RD	0829238	162
UCT1-TMF 5 YE	0829240	162
UCT1-TMF 6	0829243	162
UCT1-TMF 6 BU	0829247	162
UCT1-TMF 6 RD	0829244	162
UCT1-TMF 6 YE	0829246	162
UCT1U-TM 5	0803204	162
UCT2-TM 5/6	0829249	163
UCT3-TM 5	0829251	163
UCT3-TM 6	0829252	163
UCT4-EMLP (27X12,5)	1056543	312
UCT4-EMLP (27X12,5) SR	1056550	312
UCT4-EMLP (27X17,5)	1056547	312
UCT4-EMLP (27X17,5) SR	1056553	312
UCT4-EMLP (27X27)	1056549	312
UCT4-EMLP (27X27) SR	1056554	312
UCT4-EMP (27X12,5)	1073985	313
UCT4-EMP (27X12,5) SR	1073986	313
UCT4-EMP (27X17,5)	1073987	313
UCT4-EMP (27X17,5) SR	1073989	313
UCT4-EMP (27X27)	1073990	313
UCT4-EMP (27X27) SR	1073991	313
UCT5-TM 5	0828750	164
UCT5-TM 6	0828752	164
UCT6M-TM 5	0830756	165
UCT6M-TM 6	0830757	165
UCT6M-TM 8	0830758	165
UCT6R-TM 5	0830753	166
UCT6R-TM 6	0830754	166
UCT6R-TM 8	0830755	166
UCTU-TM (3,5X7)	0803666	132
UM1-TM (12X10)	0830916	169
UM1-TM (12X10) BU	0833068	169
UM1-TM (12X10) RD	0833065	169
UM1-TM (12X10) YE	0833067	169
UM1-TM (3,5X12)	0830925	168
UM1-TM (3,5X12) BU	0833023	168
UM1-TM (3,5X12) RD	0833020	168
UM1-TM (3,5X12) YE	0833022	168
UM1-TM (5X10)	0830905	168
UM1-TM (5X10) BU	0833028	168
UM1-TM (5X10) RD	0833025	168
UM1-TM (5X10) YE	0833027	168
UM1-TM (5X12)	0830912	168
UM1-TM (5X12) BU	0833038	168
UM1-TM (5X12) RD	0833035	168
UM1-TM (5X12) YE	0833037	168
UM1-TM (6X10)	0830903	168
UM1-TM (6X10) BU	0833043	168
UM1-TM (6X10) RD	0833040	168
UM1-TM (6X10) YE	0833042	168
UM1-TM (6X12)	0830909	169
UM1-TM (6X12) BU	0833053	169
UM1-TM (6X12) RD	0833050	169
UM1-TM (6X12) YE	0833052	169
UM1-TM (8X10)	0830906	169
UM1-TM (8X10) BU	0833058	169
UM1-TM (8X10) RD	0833055	169
UM1-TM (8X10) YE	0833057	169
UM1-TM (8X12)	0830920	169
UM1-TM (8X12) BU	0833063	169
UM1-TM (8X12) RD	0833060	169
UM1-TM (8X12) YE	0833062	169
UM1-TMF (3,5X5)	0830935	171
UM1-TMF (3,5X5) BU	0833003	171
UM1-TMF (3,5X5) RD	0833000	171
UM1-TMF (3,5X5) YE	0833002	171
UM1-TMF (5X5)	0830902	171
UM1-TMF (5X5) BU	0833008	171
UM1-TMF (5X5) RD	0833005	171
UM1-TMF (5X5) YE	0833007	171
UM1-TMF (6X5)	0830904	171
UM1-TMF (6X5) BU	0833013	171
UM1-TMF (6X5) RD	0833010	171
UM1-TMF (6X5) YE	0833012	171
UM1-TMF (8X5)	0830924	171
UM1-TMF (8X5) BU	0833018	171
UM1-TMF (8X5) RD	0833015	171
UM1-TMF (8X5) YE	0833017	171
UM1U-TM (5X10)	0830910	170
UM1U-TM (5X10) BU	0833033	170
UM1U-TM (5X10) RD	0833030	170
UM1U-TM (5X10) YE	0833032	170
UM1U-TM (6X10)	0830907	170
UM1U-TM (6X10) BU	0833048	170
UM1U-TM (6X10) RD	0833045	170
UM1U-TM (6X10) YE	0833047	170
UM2-TM (3,5X10)	0830936	172
UM2-TM (4X10)	0830934	172
UM2-TM (5/6X10)	0830911	172
UM3-TM (5X8)	0830917	173
UM3-TM (6X8)	0830915	173
UM3-TM (8X8)	0830929	173
UM5-TM (4X10)	0830938	173
UM5-TM (5X10)	0830922	173
UM5-TM (6X10)	0830919	173
UM6M-TM (5X12)	0830928	173
UM6M-TM (6X12)	0830926	173
UM6M-TM (8X12)	0830939	173
UM6R-TM (5X10)	0830923	174
UM6R-TM (6X10)	0830921	174
UM6R-TM (8X10)	0830932	174
UM7-TM (5X10)	0830933	175
UM7-TM (6X10)	0830931	175
UM7-TM (8X10)	0830945	175
UM8-TM (5X9)	0830946	175
UM8-TM (6X9)	0830943	175
UNIFOX RT-CK 1.6	1072069	398
UNIFOX RT-CK 2.5	1072067	398
UNIFOX RT-CK 4.0	1072064	398
UNIFOX SR 6	1200137	396

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Type	Order No.	Page
UNIFOX-C VDE	1212202	395
UNIFOX-C VDE M	1212834	395
UNIFOX-CE VDE	1212203	395
UNIFOX-CT 4,8	1212475	396
UNIFOX-CT 4,8P	1212609	396
UNIFOX-CT M 7,9	1212610	396
UNIFOX-F VDE	1212363	396
UNIFOX-HP	1212625	397
UNIFOX-P VDE	1212204	395
UNIFOX-PC VDE	1212205	395
UNIFOX-PE VDE	1212529	395
UNIFOX-R VDE	1212364	396
UNIFOX-RVT P 4	1212478	579
UNIFOX-RVT P 6	1212509	579
UNIFOX-WP	1212365	397
UNIFOX-WRENCH	1212835	397
US-EML (104X140)	0800465	322
US-EML (104X140) SR	0800466	322
US-EML (104X140) YE	0800467	322
US-EML (104X3,8)	0800464	322
US-EML (15X6)	0803816	322
US-EML (15X6) YE	0803817	322
US-EML (15X9)	0803811	322
US-EML (15X9) YE	0803813	322
US-EML (16,5X5) YE	0803815	322
US-EML (16X7) YE	0803819	322
US-EML (17,5X8)	0800461	322
US-EML (17,5X8) YE	0800463	322
US-EML (20X8)	0800458	322
US-EML (20X8) YE	0800460	322
US-EML (D12,5)	0803823	322
US-EML (D39)	0803822	322
US-EMLF (104X140)	1014291	323
US-EMLF (104X140) BU	1014293	323
US-EMLF (104X140) YE	1014292	323
US-EMLF (104X70)	1014294	323
US-EMLF (104X70) BU	1014296	323
US-EMLF (104X70) YE	1014295	323
US-EMLF (15X6) YE	0803832	323
US-EMLF (15X9) YE	0803828	323
US-EMLF (16,5X5) YE	0803830	323
US-EMLF (16X7) YE	0803834	323
US-EMLF (17,5X8) YE	0803836	323
US-EMLF (20X8) YE	0803842	323
US-EMLF (D39)	0803845	323
US-EMLP (100X60)	0828807	315
US-EMLP (100X60) SR	0828910	315
US-EMLP (100X60) YE	0828909	315
US-EMLP (104X135)	0830304	315
US-EMLP (104X135) SR	0830306	315
US-EMLP (104X135) YE	0830305	315
US-EMLP (11X9)	0828789	314
US-EMLP (11X9) SR	0828872	314
US-EMLP (11X9) YE	0828871	314
US-EMLP (15X5)	0828790	314
US-EMLP (15X5) SR	0828874	314
US-EMLP (15X5) YE	0828873	314
US-EMLP (17,5X15)	0830839	314
US-EMLP (17X15)	0828793	314
US-EMLP (17X15) SR	0828880	314
US-EMLP (17X15) YE	0828879	314
US-EMLP (17X7)	0828792	314
US-EMLP (17X7) SR	0828878	314
US-EMLP (17X7) YE	0828877	314
US-EMLP (20X9)	0828795	314
US-EMLP (20X9) SR	0828884	314
US-EMLP (20X9) YE	0828883	314
US-EMLP (22X22)	0828796	314
US-EMLP (22X22) SR	0828886	314
US-EMLP (22X22) YE	0828885	314
US-EMLP (27X12,5)	0828798	314
US-EMLP (27X12,5) SR	0828892	314
US-EMLP (27X12,5) YE	0828891	314
US-EMLP (27X15)	0828799	314
US-EMLP (27X15) RD	0804448	314
US-EMLP (27X15) SR	0828894	314
US-EMLP (27X15) YE	0828893	314
US-EMLP (27X18)	0828800	314
US-EMLP (27X18) RD	0804449	314
US-EMLP (27X18) SR	0828896	314
US-EMLP (27X18) YE	0828895	314
US-EMLP (27X27)	0828801	315
US-EMLP (27X27) SR	0828898	315
US-EMLP (27X27) YE	0828897	315
US-EMLP (27X8)	0828797	314
US-EMLP (27X8) RD	0804447	314
US-EMLP (27X8) SR	0828890	314
US-EMLP (27X8) YE	0828889	314
US-EMLP (35X15)	0830300	315
US-EMLP (35X15) RD	0830321	315
US-EMLP (35X15) SR	0830320	315
US-EMLP (35X15) YE	0830319	315
US-EMLP (35X9)	0828802	315
US-EMLP (35X9) SR	0829430	315
US-EMLP (35X9) YE	0828899	315
US-EMLP (40X10)	0830341	315
US-EMLP (40X10) SR	0830328	315
US-EMLP (40X10) YE	0830342	315
US-EMLP (49X15)	0828803	315
US-EMLP (49X15) SR	0828902	315
US-EMLP (49X15) YE	0828901	315
US-EMLP (52,5X15)	0830301	315
US-EMLP (52,5X15) RD	0830324	315
US-EMLP (52,5X15) SR	0830323	315
US-EMLP (52,5X15) YE	0830322	315
US-EMLP (60X15)	0828804	315
US-EMLP (60X15) SR	0828904	315
US-EMLP (60X15) YE	0828903	315
US-EMLP (60X30)	0828805	315
US-EMLP (60X30) BU	0804282	315
US-EMLP (60X30) RD	0804283	315
US-EMLP (60X30) SR	0828906	315
US-EMLP (60X30) YE	0828905	315
US-EMLP (70X15)	0830302	315
US-EMLP (70X15) RD	0830327	315
US-EMLP (70X15) SR	0830326	315
US-EMLP (70X15) YE	0830325	315
US-EMLP (8,8X15)	0830303	314
US-EMLP (8,8X15) RD	0830318	314
US-EMLP (8,8X15) SR	0830317	314
US-EMLP (8,8X15) YE	0830316	314
US-EMLP (85,6X54)	0828806	315
US-EMLP (85,6X54) RD	0830841	315
US-EMLP (85,6X54) SR	0828908	315
US-EMLP (85,6X54) YE	0828907	315
US-EMLP-HA (17X7)	0830988	316
US-EMLP-HA (20X9)	0830989	316
US-EMLP-HA (60X30)	0830990	316
US-EMLP-HA (60X30) SR	0830991	316
US-EMLP-HA (85,6X54)	0830992	316
US-EMLP-HA (85,6X54) SR	0830993	316
US-EMLP-HA 24 (30X15/12,5)	0803874	316
US-EMLP-HA 24 (30X15/12,5) SR	0803875	316
US-EMLP-HA 24 (30X18/8)	0803876	316
US-EMLP-HA 24 (30X18/8) SR	0803877	316
US-EMLP-HA 30 (45X10)	0803878	316
US-EMLP-HA 30 (45X10) SR	0803879	316
US-EMLSP (28X10)	0830343	320
US-EMLSP (28X10) SR	0830329	320
US-EMLSP (28X10) YE	0830344	320
US-EMP (100X15)	0829521	317
US-EMP (100X15) SR	0829523	317
US-EMP (100X15) YE	0829522	317
US-EMP (17X15)	0828774	317
US-EMP (17X15) SR	0828843	317
US-EMP (17X15) YE	0828842	317
US-EMP (20X9)	0829439	317
US-EMP (25X6)	0829435	317
US-EMP (25X6)-1	0802754	317
US-EMP (27,9X17,4)	0830980	317
US-EMP (27,9X17,4) SR	0803300	317
US-EMP (27X12,5)	0828776	317
US-EMP (27X12,5) SR	0828847	317
US-EMP (27X12,5) YE	0828846	317
US-EMP (27X15)	0828777	317
US-EMP (27X15) SR	0828849	317
US-EMP (27X15) YE	0828848	317
US-EMP (27X18)	0828778	317
US-EMP (27X18) SR	0828851	317
US-EMP (27X18) YE	0828850	317
US-EMP (27X27)	0828779	317
US-EMP (27X27) SR	0828853	317
US-EMP (27X27) YE	0828852	317
US-EMP (27X8)	0828775	317
US-EMP (27X8) SR	0828845	317
US-EMP (27X8) YE	0828844	317
US-EMP (29X8)	0829436	317
US-EMP (29X8) YE	0829440	317
US-EMP (35X15)	0830295	318
US-EMP (35X15) RD	0830309	318
US-EMP (35X15) SR	0830308	318
US-EMP (35X15) YE	0830307	318
US-EMP (35X9)	0830842	317
US-EMP (35X9) SR	0830844	317
US-EMP (35X9) YE	0830843	317
US-EMP (40X17)	0829437	317
US-EMP (44X7)	0829438	317
US-EMP (49X15)	0828780	317
US-EMP (49X15) SR	0828855	317
US-EMP (49X15) YE	0828854	317
US-EMP (52,5X15)	0830296	318
US-EMP (52,5X15) RD	0830312	318
US-EMP (52,5X15) SR	0830311	318
US-EMP (52,5X15) YE	0830310	318
US-EMP (60X15)	0828781	317
US-EMP (60X15) SR	0828857	317
US-EMP (60X15) YE	0828856	317
US-EMP (60X30)	0828782	317
US-EMP (60X30) SR	0828859	317
US-EMP (60X30) YE	0828858	317
US-EMP (70X15)	0830297	318
US-EMP (70X15) RD	0830315	318
US-EMP (70X15) SR	0830314	318
US-EMP (70X15) YE	0830313	318
US-EMP (8,8X15)	0830293	318
US-EMP (8,8X15) RD	0830428	318
US-EMP (8,8X15) SR	0830427	318
US-EMP (8,8X15) YE	0830426	318
US-EMP (85,6X54)	0828783	317
US-EMP (85,6X54) SR	0828861	317
US-EMP (85,6X54) YE	0828860	317
US-EMSP (50X30)	0828786	319
US-EMSP (50X30) SR	0828928	319
US-EMSP (50X30) YE	0828927	319
US-EMSP (75,6X54)	0828787	319
US-EMSP (75,6X54) SR	0828930	319
US-EMSP (75,6X54) YE	0828929	319
US-EMSP (90X60)	0828788	319
US-EMSP (90X60) BU	0803038	319
US-EMSP (90X60) RD	0802937	319
US-EMSP (90X60) SR	0828932	319
US-EMSP (90X60) YE	0828931	319
US-EMT (103X17)	0803846	321
US-EMT (103X17) TQ	0803847	321
US-EMT (103X23)	0803856	321
US-EMT (103X23) TQ	0803857	321
US-EMT (13X109)	0803862	321
US-EMT (13X109) GY	0803864	321
US-EMT (13X109) TQ	0803865	321
US-EMT (13X109) YE	0803863	321
US-EMT (23X109)	0803858	321
US-EMT (23X109) GY	0803860	321
US-EMT (23X109) TQ	0803861	321
US-EMT (23X109) YE	0803859	321
US-EMT (31X12,5)	0803848	321
US-EMT (31X12,5) GY	0803850	321
US-EMT (31X12,5) YE	0803849	321
US-EMT (50/28X13)	0803853	321
US-EMT (50/28X13) TQ	0803855	321
US-EMT (50X26)	0803851	321
US-EMT (50X26) TQ	0803852	321
US-PML-ESS100 (D60) YE	0803873	369
US-PML-ESS100 (D90) YE	0803872	369
US-PML-F100 (50X25)	0803866	370
US-PML-F100 (D50)	0803869	370
US-PML-F200 (50X25)	0803868	370
US-PML-F200 (D50)	0803871	370
US-PML-GHS100 (13X13)	1014287	371
US-PML-GHS100 (25X25)	1014288	371
US-PML-M100 (D100)	1014177	368
US-PML-M100 (D50)	1014176	368
US-PML-P100 (D100)	1014218	367
US-PML-P100 (D50)	1014217	367
US-PML-W100 (100X100)	1014127	366
US-PML-W100 (25X25)	1014125	366
US-PML-W100 (50X50)	1014126	366
US-PML-W200 (100X100)	1014133	366
US-PML-W200 (25X25)	1014131	366
US-PML-W200 (50X50)	1014132	366
US-TM 100	0829255	136
US-TMF 100	0829260	137
US-TMFL 100	0830339	137
US-TML (104X10)	0830770	139
US-TML (104X2,8)	0830767	138
US-TML (104X3,8)	0830768	139
US-TML (104X5)	0830769	139
US-WML 14 (25X19)	0800473	215
US-WML 36 (25X25)	0800474	215
US-WML 6 (13X13)	0800472	215
US-WMT (10X4)	0828765	212
US-WMT (10X4) BU	0829277	212
US-WMT (10X4) RD	0829273	212
US-WMT (10X4) YE	0828952	212
US-WMT (12X4)	0828766	212
US-WMT (12X4) BU	0829284	212
US-WMT (12X4) RD	0829280	212
US-WMT (12X4) YE	0828953	212
US-WMT (15X4)	0828767	212
US-WMT (15X4) BU	0829291	212
US-WMT (15X4) RD	0829287	212
US-WMT (15X4) YE	0828954	212
US-WMT (18X4)	0828768	213
US-WMT (18X4) BU	0829298	213
US-WMT (18X4) RD	0829294	213
US-WMT (18X4) YE	0828955	213
US-WMT (23X4)	0828769	213
US-WMT (23X4) BU	0829305	213
US-WMT (23X4) RD	0829301	213
US-WMT (23X4) YE	0828956	213
US-WMT (30X4)	0828770	213
US-WMT (30X4) BU	0829312	213
US-WMT (30X4) RD	0829308	213
US-WMT (30X4) YE	0828957	213
US-WMTB (24X5)	0828771	214
US-WMTB (24X5) BU	0829324	214
US-WMTB (24X5) RD	0829320	214
US-WMTB (24X5) YE	0828958	214
US-WMTB (29X8)	0828772	214
US-WMTB (29X8) BU	0829331	214
US-WMTB (29X8) RD	0829327	214
US-WMTB (29X8) YE	0828959	214
US-WMTB (44X15)	0828773	214
US-WMTB (44X15) BU	0829338	214
US-WMTB (44X15) RD	0829334	214
US-WMTB (44X15) YE	0828960	214
US2-TM 100	0829268	167
USA 10	1201578	545
USA 10 BK	1200993	545
USA 10/4,6	1202713	545
USS 4	1203149	461

V

Type	Order No.	Page
VAH	1201468	548

W

Type	Order No.	Page
WCC 14	3240252	583
WCC 18	3240253	583
WCC 22	3240254	583
WCC 26	3240255	583
WCC 30	3240256	583
WCC 34	3240257	583
WCC 38	3240258	583
WCC 42	3240259	583
WCC 56	3240260	583
WCC 64	3240261	583
WF 1000	1212149	407
WF 1000 120V	1212258	407

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Type	Order No.	Page
WF 1000/COV	1212417	507
WF 1000/SB	1212279	507
WF 1000/TR	1212416	507
WG-D HF 10,2	3241101	623
WG-D HF 10,2 BK	3241102	623
WG-D HF 12,7	3241103	623
WG-D HF 12,7 BK	3241104	623
WG-D HF 16	3241105	623
WG-D HF 16 BK	3241106	623
WG-D HF 20,3	3241107	623
WG-D HF 20,3 BK	3241108	623
WG-D HF 7,6	3241099	623
WG-D HF 7,6 BK	3241100	623
WG-S HF 120	3241121	601
WG-S HF 120 BK	3241122	601
WG-S HF 15	3241109	601
WG-S HF 15 BK	3241110	601
WG-S HF 150	3241123	601
WG-S HF 150 BK	3241124	601
WG-S HF 20	3241111	601
WG-S HF 20 BK	3241112	601
WG-S HF 40	3241113	601
WG-S HF 40 BK	3241114	601
WG-S HF 50	3241115	601
WG-S HF 50 BK	3241116	601
WG-S HF 70	3241117	601
WG-S HF 70 BK	3241118	601
WG-S HF 80	3241119	601
WG-S HF 80 BK	3241120	601
WIREFOX 10	1212150	407
WIREFOX 10 CUS	1212760	475
WIREFOX 10 VDE	1212366	409
WIREFOX 10/CJ	1200286	404
WIREFOX 10/SB	1212152	405
WIREFOX 10/WS	1200285	404
WIREFOX 16	1212155	407
WIREFOX 16 CUS	1212761	475
WIREFOX 16-1	1212157	408
WIREFOX 16-1/SB	1204944	408
WIREFOX 16/CJ	1200287	405
WIREFOX 16/SB	1212153	405
WIREFOX 2,5	1212368	404
WIREFOX 2,5/SB	1212369	404
WIREFOX 2,5/WS	1212370	404
WIREFOX 4	1212156	406
WIREFOX 4 CUS	1212762	475
WIREFOX 4/SB	1212151	404
WIREFOX 6SC	1212158	406
WIREFOX 6SC CUS	1212763	475
WIREFOX 6SC/SB	1212314	405
WIREFOX ASI	1212154	408
WIREFOX ASI/SB	1208076	408
WIREFOX FC	1212619	408
WIREFOX FC/SB	1200284	408
WIREFOX SAC	1212623	408
WIREFOX SAC-1	1212757	408
WIREFOX SAC-1/SB	1200283	408
WIREFOX SAC/SB	1200282	408
WIREFOX-D 11	1212160	410
WIREFOX-D 11/SB	1212312	410
WIREFOX-D 13	1212162	411
WIREFOX-D 16	1212173	411
WIREFOX-D 28	1212174	411
WIREFOX-D 40	1212161	411
WIREFOX-D 40/SB	1212313	411
WIREFOX-D CX 6,35	1212733	413
WIREFOX-D CX-1	1212163	412
WIREFOX-D CX-1/SB	1212303	412
WIREFOX-D CX-2	1212164	412
WIREFOX-D CX-2/SB	1212304	412
WIREFOX-D CX-3	1212165	412
WIREFOX-D CX-3/SB	1212305	412
WIREFOX-D CX-4	1212166	412
WIREFOX-D CX-4/SB	1212306	412
WIREFOX-D CX-5	1212167	412
WIREFOX-D CX-5/SB	1212307	412
WIREFOX-D CX-6	1212168	412
WIREFOX-D CX-6/SB	1212308	412
WIREFOX-D CX-7	1212169	412
WIREFOX-D CX-7/SB	1212309	412
WIREFOX-D CX-8	1212170	412
WIREFOX-D CX-8/SB	1212310	412
WIREFOX-D CX-9	1212171	412
WIREFOX-D CX-9/SB	1212311	412
WIREFOX-D SHIELD	1212172	409
WIREFOX-D SR 6	1212507	413
WIREFOX-D SR 6-1	1212511	413
WIREFOX-E 10	1212706	405
WIREFOX-E 16	1212707	405
WIREFOX-E 4	1212704	404
WIREFOX-E 6SC	1212705	405
WIREFOX-MP VDE	1212528	409
WM-CARRIER/B (48X10)LPR	0830423	233
WM-CARRIER/B (55X15)LPR	0830424	233
WM-CARRIER/B (85X15)LPR	0830425	233
WML 12 (25X19)R	0800076	217
WML 14 (25X19)A4	0830693	216
WML 14 (25X19)A4 YE	0830694	216
WML 14 (25X19)R	0817536	217
WML 14 (25X19)R YE	0817549	217
WML 14 (25X19)RL	0830678	217
WML 14 (38X19)R	0817552	217
WML 14 (38X19)R YE	0830675	217
WML 14 (38X19)RL	0830679	217
WML 18 (12X12)R	0817507	217
WML 20 (31X25)R	0828457	217
WML 22 (25X25)R	0800078	217
WML 22 (35X25)A4	0830695	216
WML 22 (35X25)A4 YE	0830696	216
WML 3 (13X10)A4	0830687	216
WML 3 (13X10)A4 YE	0830688	216
WML 3 (13X10)R	0800073	217
WML 36 (25X38)A4	0830697	216
WML 36 (25X38)A4 YE	0830698	216
WML 36 (25X38)R	0817510	217
WML 46 (25X38)R	0800067	217
WML 5 (25X10)A4	0830689	216
WML 5 (25X10)A4 YE	0830690	216
WML 5 (25X10)R	0817523	217
WML 5 (25X10)R YE	0830673	217
WML 5 (25X10)RL	0830676	217
WML 6 (13X13)R	0816252	217
WML 6 (13X13)R YE	0830674	217
WML 6 (13X13)RL	0830677	217
WML 7,5 (13X13)R	0800074	217
WML 7,5 (17X9)R	0828444	217
WML 7,5 (25X13)A4	0830691	216
WML 7,5 (25X13)A4 YE	0830692	216
WML 7,5 (25X13)R	0800075	217
WML HF 14(25X19)R	0830818	218
WML HF 14(25X19)R YE	0830819	218
WML HF 22(25X25)R	0830820	218
WML HF 22(25X25)R YE	0830821	218
WML HF 3(13X10)R	0830812	218
WML HF 3(13X10)R YE	0830813	218
WML HF 36(25X38)R	0830822	218
WML HF 36(25X38)R YE	0830823	218
WML HF 5(25X10)R	0830814	218
WML HF 5(25X10)R YE	0830815	218
WML HF 7,5(25X13)R	0830816	218
WML HF 7,5(25X13)R YE	0830817	218
WML-FLAG 6 (20X10)R	0830711	219
WML-FLAG 6 (30X10)R	0830712	219
WML-FLAGV 6 (20X10)R	0830713	219
WML-FLAGV 6 (30X10)R	0830714	219
WML-RFID/HF 14 (25X19)R	0803386	217
WMS 12,7 (30X20)R	0804266	224
WMS 12,7 (60X20)R	0800369	224
WMS 12,7 (60X20)R YE	0800403	224
WMS 12,7 (60X20)RL YE	0803107	225
WMS 12,7 (EX20)R	0800294	226
WMS 12,7 (EX20)R BK	0800422	227
WMS 12,7 (EX20)R YE	0800305	227
WMS 12,7 (EX20)RL	0800325	226
WMS 12,7 (EX20)RL BK	0800432	227
WMS 12,7 (EX20)RL YE	0800333	227
WMS 19,1 (60X30)R	0800370	224
WMS 19,1 (60X30)R YE	0800404	224
WMS 19,1 (60X30)RL YE	0803108	225
WMS 19,1 (EX30)R	0800295	226
WMS 19,1 (EX30)R BK	0800423	227
WMS 19,1 (EX30)R YE	0800306	227
WMS 19,1 (EX30)RL	0800326	226
WMS 19,1 (EX30)RL BK	0800434	227
WMS 19,1 (EX30)RL YE	0800334	227
WMS 2,4 (15X4)R	0800379	224
WMS 2,4 (15X4)R YE	0800412	224
WMS 2,4 (15X4)RL	0800389	225
WMS 2,4 (15X4)RXL	0800396	225
WMS 2,4 (30X4)R	0800373	224
WMS 2,4 (30X4)R YE	0800407	224
WMS 2,4 (30X4)RL	0800386	225
WMS 2,4 (30X4)RXL	0800394	225
WMS 2,4 (60X4)R	0800363	224
WMS 2,4 (60X4)R YE	0800398	224
WMS 2,4 (60X4)RL	0800383	225
WMS 2,4 (60X4)RXL	0800392	225
WMS 2,4 (EX4)R	0800289	226
WMS 2,4 (EX4)R BK	0800415	227
WMS 2,4 (EX4)R YE	0800300	227
WMS 2,4 (EX4)RL	0800319	226
WMS 2,4 (EX4)RL BK	0800427	227
WMS 2,4 (EX4)RL YE	0800328	227
WMS 25,4 (60X40)R	0800371	224
WMS 25,4 (60X40)R YE	0800405	224
WMS 25,4 (EX40)R	0800296	226
WMS 25,4 (EX40)R BK	0800424	227
WMS 25,4 (EX40)R YE	0800308	227
WMS 25,4 (EX40)RL	0800327	226
WMS 25,4 (EX40)RL BK	0800435	227
WMS 25,4 (EX40)RL YE	0800335	227
WMS 3,2 (15X5)R	0800380	224
WMS 3,2 (15X5)R YE	0800413	224
WMS 3,2 (15X5)RL	0800390	225
WMS 3,2 (30X5)R	0800374	224
WMS 3,2 (30X5)R YE	0800408	224
WMS 3,2 (30X5)RL	0800387	225
WMS 3,2 (30X5)RXL	0804268	225
WMS 3,2 (30X5)RXL YE	1019184	225
WMS 3,2 (60X5)R	0800364	224
WMS 3,2 (60X5)R YE	0800399	224
WMS 3,2 (60X5)RL	0800384	225
WMS 3,2 (60X5)RXL YE	0803102	225
WMS 3,2 (EX5)R	0800290	226
WMS 3,2 (EX5)R BK	0800416	227
WMS 3,2 (EX5)R YE	0800301	227
WMS 3,2 (EX5)RL	0800320	226
WMS 3,2 (EX5)RL BK	0800428	227
WMS 3,2 (EX5)RL YE	0800329	227
WMS 38,1 (EX60)R	0800298	226
WMS 38,1 (EX60)R BK	0800425	227
WMS 38,1 (EX60)R YE	0800309	227
WMS 4,8 (15X9)R	0800382	224
WMS 4,8 (15X9)R YE	0800414	224
WMS 4,8 (15X9)RL	0800391	225
WMS 4,8 (15X9)RXL	0800397	225
WMS 4,8 (30X9)R	0800375	224
WMS 4,8 (30X9)R YE	0800409	224
WMS 4,8 (30X9)RL	0800388	225
WMS 4,8 (30X9)RXL	0800395	225
WMS 4,8 (30X9)RXL YE	0803313	225
WMS 4,8 (60X9)R	0800366	224
WMS 4,8 (60X9)R YE	0800400	224
WMS 4,8 (60X9)RL	0800385	225
WMS 4,8 (60X9)RXL	0800393	225
WMS 4,8 (60X9)RXL YE	0803103	225
WMS 4,8 (EX9)R	0800291	226
WMS 4,8 (EX9)R BK	0800418	227
WMS 4,8 (EX9)R YE	0800302	227
WMS 4,8 (EX9)RL	0800321	226
WMS 4,8 (EX9)RL BK	0800429	227
WMS 4,8 (EX9)RL YE	0800330	227
WMS 50,8 (EX80)R	0800299	226
WMS 50,8 (EX80)R BK	0800426	227
WMS 50,8 (EX80)R YE	0800311	227
WMS 6,4 (15X10)R	0801593	224
WMS 6,4 (15X10)RL	0801594	225
WMS 6,4 (15X10)RXL	0801595	225
WMS 6,4 (30X10)R	0800376	224
WMS 6,4 (30X10)R YE	0800410	224
WMS 6,4 (30X10)RXL	1067778	225
WMS 6,4 (60X10)R	0800367	224
WMS 6,4 (60X10)R YE	0800401	224
WMS 6,4 (60X10)RXL YE	0803104	225
WMS 6,4 (EX10)R	0800292	226
WMS 6,4 (EX10)R BK	0800419	227
WMS 6,4 (EX10)R YE	0800303	227
WMS 6,4 (EX10)RL	0800322	226
WMS 6,4 (EX10)RL BK	0800430	227
WMS 6,4 (EX10)RL YE	0800331	227
WMS 9,5 (30X16)R	0800377	224
WMS 9,5 (30X16)R YE	0800411	224
WMS 9,5 (30X16)RL	0804267	225
WMS 9,5 (60X16)R	0800368	224
WMS 9,5 (60X16)R YE	0800402	224
WMS 9,5 (60X16)RL	0803105	225
WMS 9,5 (60X16)RL YE	0803106	225
WMS 9,5 (EX16)R	0800293	226
WMS 9,5 (EX16)R BK	0800421	227
WMS 9,5 (EX16)R YE	0800304	227
WMS 9,5 (EX16)RL	0800324	226
WMS 9,5 (EX16)RL BK	0800431	227
WMS 9,5 (EX16)RL YE	0800332	227
WMS-2 HF 12,7 (60X20)RL	0833200	221
WMS-2 HF 12,7 (60X20)RL YE	0833201	221
WMS-2 HF 12,7 (EX20)R YE	0804521	223
WMS-2 HF 12,7 (EX20)RL	0864100	223
WMS-2 HF 12,7 (EX20)RL BU	0864102	223
WMS-2 HF 12,7 (EX20)RL RD	0864101	223
WMS-2 HF 12,7 (EX20)RL YE	0833246	223
WMS-2 HF 19,1 (60X30)RL	0833202	221
WMS-2 HF 19,1 (60X30)RL YE	0833203	221
WMS-2 HF 19,1 (EX30)R YE	0804537	223
WMS-2 HF 19,1 (EX30)RL	0864103	223
WMS-2 HF 19,1 (EX30)RL BU	0864105	223
WMS-2 HF 19,1 (EX30)RL RD	0864104	223
WMS-2 HF 2,4 (15X4)RL	0801000	220
WMS-2 HF 2,4 (15X4)RL YE	0801004	220
WMS-2 HF 2,4 (30X4)RL	0801006	220
WMS-2 HF 2,4 (30X4)RL YE	0801007	220
WMS-2 HF 2,4 (60X4)RL	0801008	220
WMS-2 HF 2,4 (60X4)RL YE	0801009	220
WMS-2 HF 25,4 (60X40)RL	0833204	221
WMS-2 HF 25,4 (60X40)RL YE	0833205	221
WMS-2 HF 25,4 (EX40)RL	0864106	223
WMS-2 HF 25,4 (EX40)RL BU	0864108	223
WMS-2 HF 25,4 (EX40)RL RD	0864107	223
WMS-2 HF 3,2 (15X5)RL	0801001	220
WMS-2 HF 3,2 (15X5)RL YE	0801010	220
WMS-2 HF 3,2 (30X5)RL	0801011	220
WMS-2 HF 3,2 (30X5)RL YE	0801012	220
WMS-2 HF 3,2 (60X5)RL	0801002	220
WMS-2 HF 3,2 (60X5)RL YE	0801013	220
WMS-2 HF 3,2 (60X5)RXL	0810100	220
WMS-2 HF 3,2 (EX5)R	0803994	222
WMS-2 HF 3,2 (EX5)RL	0803903	222
WMS-2 HF 3,2 (EX5)RL YE	0833242	222
WMS-2 HF 38,1 (60X60)RL	0833206	221
WMS-2 HF 38,1 (60X60)RL YE	0833207	221
WMS-2 HF 38,1 (EX60)R YE	0804538	223
WMS-2 HF 38,1(EX60)RL	0864109	223
WMS-2 HF 38,1(EX60)RL BU	0864111	223
WMS-2 HF 38,1(EX60)RL RD	0864110	223
WMS-2 HF 4,8 (15X9)RL	0801014	220
WMS-2 HF 4,8 (15X9)RL YE	0801015	220
WMS-2 HF 4,8 (30X9)RL	0801016	220
WMS-2 HF 4,8 (30X9)RL YE	0801017	220
WMS-2 HF 4,8 (60X9)RL	0801019	220
WMS-2 HF 4,8 (60X9)RL YE	0801020	220
WMS-2 HF 4,8 (60X9)RXL	0810101	220
WMS-2 HF 4,8 (EX9)R	0803995	222
WMS-2 HF 4,8 (EX9)R BU	0819991	222
WMS-2 HF 4,8 (EX9)R GN	0804496	222
WMS-2 HF 4,8 (EX9)R OG	0804498	222
WMS-2 HF 4,8 (EX9)R RD	0819992	222
WMS-2 HF 4,8 (EX9)R YE	0804520	222
WMS-2 HF 4,8 (EX9)RL	0803904	222
WMS-2 HF 4,8 (EX9)RL YE	0833243	222
WMS-2 HF 50,8 (EX80)R YE	0804539	223
WMS-2 HF 6,4 (30X10)RL	0801022	221

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Type	Order No.	Page
WMS-2 HF 6,4 (30X10)RL YE	0801023	221
WMS-2 HF 6,4 (60X10)RL	0801024	221
WMS-2 HF 6,4 (60X10)RL YE	0801025	221
WMS-2 HF 6,4 (EX10)R BU	0819993	222
WMS-2 HF 6,4 (EX10)R RD	0819994	222
WMS-2 HF 6,4 (EX10)RL	0803905	222
WMS-2 HF 6,4 (EX10)RL YE	0833244	222
WMS-2 HF 9,5 (15X16)RL	0801003	221
WMS-2 HF 9,5 (30X16)RL	0801026	221
WMS-2 HF 9,5 (30X16)RL YE	0801027	221
WMS-2 HF 9,5 (60X16)RL	0801028	221
WMS-2 HF 9,5 (60X16)RL YE	0801029	221
WMS-2 HF 9,5 (EX16)R	0804524	222
WMS-2 HF 9,5 (EX16)R BU	0804525	222
WMS-2 HF 9,5 (EX16)R RD	0804526	222
WMS-2 HF 9,5 (EX16)R YE	0804535	222
WMS-2 HF 9,5 (EX16)RL YE	0833245	222
WMS-OT HF 3,2 (EX5)R	1044236	228
WMS-OT HF 3,2 (EX5)R YE	1044239	228
WMS-OT HF 3,2 (EX5)RL	1044253	228
WMS-OT HF 3,2 (EX5)RL YE	1044254	228
WMS-OT HF 4,8 (EX9)R	1044243	228
WMS-OT HF 4,8 (EX9)R YE	1044245	228
WMS-OT HF 4,8 (EX9)RL	1044256	228
WMS-OT HF 4,8 (EX9)RL YE	1044259	228
WMT 2,4 (15X4)R	0816281	230
WMT 3,5 (15X5)R	0817222	230
WMT 4,2 (15X6)R	0817235	230
WMT 5,5 (15X8)R	0817248	230
WMT 8,4 (17X10)R	0817251	230
WMT (15X4)RL	1080099	229
WMTB (24X8)R	0816278	231
WMTB (35X15)R	0817316	231
WMTB HF (40X12)R	0830407	232
WMTB HF (40X12)R BU	0804977	232
WMTB HF (40X12)R DBU	0802991	232
WMTB HF (40X12)R GN	0804978	232
WMTB HF (40X12)R RD	0803314	232
WMTB HF (40X12)R YE	0830408	232
WMTB HF (55X15)R	0830409	232
WMTB HF (55X15)R BU	0804979	232
WMTB HF (55X15)R DBU	0802992	232
WMTB HF (55X15)R GN	0804980	232
WMTB HF (55X15)R RD	0803315	232
WMTB HF (55X15)R YE	0830410	232
WMTB HF (55X25)R	0830411	232
WMTB HF (55X25)R BU	0804981	232
WMTB HF (55X25)R DBU	0802993	232
WMTB HF (55X25)R GN	0804982	232
WMTB HF (55X25)R RD	0803316	232
WMTB HF (55X25)R YE	0830412	232
WMTB-AL (29X8)	0830805	192
WMTB-AL (40X15)	0830524	192
WMTB-AL (60X15)	0830525	192
WMTB-AL (D30)	0830804	193
WP-BASE A M16	3241083	603
WP-BASE A M20	3241084	603
WP-BASE A M25	3241085	603
WP-BASE A M32	3241086	603
WP-BASE A M40	3241087	603
WP-BASE A PG16	3241079	603
WP-BASE A PG21	3241080	603
WP-BASE A PG29	3241081	603
WP-BASE A PG36	3241082	603
WP-BASE C PA HF 10,0 BK	3240958	602
WP-BASE C PA HF 13,0 BK	3240959	602
WP-BASE C PA HF 15,8 BK	3240960	602
WP-BASE C PA HF 21,2 BK	3240961	602
WP-BASE C PA HF 28,2 BK	3240962	602
WP-BASE C PA HF 34,5 BK	3240963	602
WP-BASE C PA HF 42,5 BK	3240964	602
WP-BASE HF 13	3240966	603
WP-BASE HF 14	3240967	603
WP-BASE HF 15,8	3240968	603
WP-BASE HF 17	3240969	603
WP-BASE HF 22	3240970	603
WP-BASE HF 29	3240971	603
WP-BASE HF 37	3240972	603
WP-BASE HF 45	3240973	603
WP-BASE HF 9-10	3240965	603
WP-CN BRASS M10	3241145	605
WP-CN BRASS M12	3241146	605
WP-CN BRASS M16	3241147	605
WP-CN BRASS M20	3241148	605
WP-CN BRASS M25	3241149	605
WP-CN BRASS M32	3241150	605
WP-CN BRASS M40	3241151	605
WP-CN BRASS PG11	3241154	605
WP-CN BRASS PG16	3241155	605
WP-CN BRASS PG21	3241156	605
WP-CN BRASS PG29	3241157	605
WP-CN BRASS PG36	3241158	605
WP-CN BRASS PG7	3241152	605
WP-CN BRASS PG9	3241153	605
WP-CN PA M12	3241132	604
WP-CN PA M16	3241133	604
WP-CN PA M20	3241134	604
WP-CN PA M25	3241135	604
WP-CN PA M32	3241136	604
WP-CN PA M40	3241137	604
WP-CN PA PG11	3241140	605
WP-CN PA PG16	3241141	605
WP-CN PA PG21	3241142	605
WP-CN PA PG29	3241143	605
WP-CN PA PG36	3241144	605
WP-CN PA PG7	3241138	605
WP-CN PA PG9	3241139	605
WP-EC TPE HF 10,0 BK	3240974	585
WP-EC TPE HF 13,0 BK	3240975	585
WP-EC TPE HF 15,8 BK	3240976	585
WP-EC TPE HF 21,2 BK	3240977	585
WP-EC TPE HF 28,5 BK	3240978	585
WP-EC TPE HF 34,5 BK	3240979	585
WP-EC TPE HF 42,5 BK	3240980	585
WP-FS HF IP68 M10	3241173	607
WP-FS HF IP68 M12	3241174	607
WP-FS HF IP68 M16	3241175	607
WP-FS HF IP68 M20	3241176	607
WP-FS HF IP68 M25	3241177	607
WP-FS HF IP68 M32	3241178	607
WP-FS HF IP68 M40	3241179	607
WP-FS HF IP68 PG11	3241182	607
WP-FS HF IP68 PG16	3241183	607
WP-FS HF IP68 PG21	3241184	607
WP-FS HF IP68 PG29	3241185	607
WP-FS HF IP68 PG36	3241186	607
WP-FS HF IP68 PG7	3241180	607
WP-FS HF IP68 PG9	3241181	607
WP-FS IP68 M10	3241159	606
WP-FS IP68 M12	3241160	606
WP-FS IP68 M16	3241161	606
WP-FS IP68 M20	3241162	606
WP-FS IP68 M25	3241163	606
WP-FS IP68 M32	3241164	606
WP-FS IP68 M40	3241165	606
WP-FS IP68 PG11	3241168	606
WP-FS IP68 PG16	3241169	606
WP-FS IP68 PG21	3241170	606
WP-FS IP68 PG29	3241171	606
WP-FS IP68 PG36	3241172	606
WP-FS IP68 PG7	3241166	606
WP-FS IP68 PG9	3241167	606
WP-G BRASS IP40 M10	3241044	599
WP-G BRASS IP40 M12	3241045	599
WP-G BRASS IP40 M16	3241046	599
WP-G BRASS IP40 M20	3241047	599
WP-G BRASS IP40 M25	3241048	599
WP-G BRASS IP40 M32	3241049	599
WP-G BRASS IP40 M40	3241050	599
WP-G BRASS IP40 PG11	3241039	598
WP-G BRASS IP40 PG16	3241040	598
WP-G BRASS IP40 PG21	3241041	598
WP-G BRASS IP40 PG29	3241042	598
WP-G BRASS IP40 PG36	3241043	598
WP-G BRASS IP40 PG7	3241037	598
WP-G BRASS IP40 PG9	3241038	598
WP-G BRASS IP65 M10	3241058	600
WP-G BRASS IP65 M12	3241059	600
WP-G BRASS IP65 M16	3241060	600
WP-G BRASS IP65 M20	3241061	600
WP-G BRASS IP65 M25	3241062	600
WP-G BRASS IP65 M32	3241063	600
WP-G BRASS IP65 M40	3241064	600
WP-G BRASS IP65 PG11	3241053	600
WP-G BRASS IP65 PG16	3241054	600
WP-G BRASS IP65 PG21	3241055	600
WP-G BRASS IP65 PG29	3241056	600
WP-G BRASS IP65 PG36	3241057	600
WP-G BRASS IP65 PG7	3241051	600
WP-G BRASS IP65 PG9	3241052	600
WP-G HF IP66 M10 BK	3240895	587
WP-G HF IP66 M12 BK	3240896	587
WP-G HF IP66 M16 BK	3240897	587
WP-G HF IP66 M20 BK	3240898	587
WP-G HF IP66 M25 BK	3240899	587
WP-G HF IP66 M32 BK	3240900	587
WP-G HF IP66 M40 BK	3240901	587
WP-G HF IP66 PG11 BK	3240890	586
WP-G HF IP66 PG16 BK	3240891	586
WP-G HF IP66 PG21 BK	3240892	586
WP-G HF IP66 PG29 BK	3240893	586
WP-G HF IP66 PG36 BK	3240894	586
WP-G HF IP66 PG7 BK	3240888	586
WP-G HF IP66 PG9 BK	3240889	586
WP-G HF IP69K M10 BK	3240881	587
WP-G HF IP69K M12 BK	3240882	587
WP-G HF IP69K M16 BK	3240883	587
WP-G HF IP69K M20 BK	3240884	587
WP-G HF IP69K M25 BK	3240885	587
WP-G HF IP69K M32 BK	3240886	587
WP-G HF IP69K M40 BK	3240887	587
WP-G HF IP69K PG11 BK	3240876	587
WP-G HF IP69K PG16 BK	3240877	587
WP-G HF IP69K PG21 BK	3240878	587
WP-G HF IP69K PG29 BK	3240879	587
WP-G HF IP69K PG36 BK	3240880	587
WP-G HF IP69K PG7 BK	3240874	587
WP-G HF IP69K PG9 BK	3240875	587
WP-G PP HF M10	3240995	595
WP-G PP HF M12	3240996	595
WP-G PP HF M16	3240997	595
WP-G PP HF M20	3240998	595
WP-G PP HF M25	3240999	595
WP-G PP HF M32	3241000	595
WP-G PP HF M40	3241001	595
WP-G PP HF PG11	3240990	594
WP-G PP HF PG16	3240991	594
WP-G PP HF PG21	3240992	594
WP-G PP HF PG29	3240993	594
WP-G PP HF PG36	3240994	594
WP-G PP HF PG7	3240988	594
WP-G PP HF PG9	3240989	594
WP-GA HF IP66 M10 BK	3240923	589
WP-GA HF IP66 M12 BK	3240924	589
WP-GA HF IP66 M16 BK	3240925	589
WP-GA HF IP66 M20 BK	3240926	589
WP-GA HF IP66 M25 BK	3240927	589
WP-GA HF IP66 M32 BK	3240928	589
WP-GA HF IP66 M40 BK	3240929	589
WP-GA HF IP66 PG11 BK	3240918	588
WP-GA HF IP66 PG16 BK	3240919	588
WP-GA HF IP66 PG21 BK	3240920	588
WP-GA HF IP66 PG29 BK	3240921	588
WP-GA HF IP66 PG36 BK	3240922	588
WP-GA HF IP66 PG7 BK	3240916	588
WP-GA HF IP66 PG9 BK	3240917	588
WP-GA HF IP69K M10 BK	3240909	589
WP-GA HF IP69K M12 BK	3240910	589
WP-GA HF IP69K M16 BK	3240911	589
WP-GA HF IP69K M20 BK	3240912	589
WP-GA HF IP69K M25 BK	3240913	589
WP-GA HF IP69K M32 BK	3240914	589
WP-GA HF IP69K M40 BK	3240915	589
WP-GA HF IP69K PG11 BK	3240904	589
WP-GA HF IP69K PG16 BK	3240905	589
WP-GA HF IP69K PG21 BK	3240906	589
WP-GA HF IP69K PG29 BK	3240907	589
WP-GA HF IP69K PG36 BK	3240908	589
WP-GA HF IP69K PG7 BK	3240902	589
WP-GA HF IP69K PG9 BK	3240903	589
WP-GR HF IP66 M12 BK	3240952	591
WP-GR HF IP66 M16 BK	3240953	591
WP-GR HF IP66 M20 BK	3240954	591
WP-GR HF IP66 M25 BK	3240955	591
WP-GR HF IP66 M32 BK	3240956	591
WP-GR HF IP66 M40 BK	3240957	591
WP-GR HF IP66 PG11 BK	3240946	590
WP-GR HF IP66 PG16 BK	3240947	590
WP-GR HF IP66 PG21 BK	3240948	590
WP-GR HF IP66 PG29 BK	3240949	590
WP-GR HF IP66 PG36 BK	3240950	590
WP-GR HF IP66 PG7 BK	3240944	590
WP-GR HF IP66 PG9 BK	3240945	590
WP-GR HF IP69K M12 BK	3240938	591
WP-GR HF IP69K M16 BK	3240939	591
WP-GR HF IP69K M20 BK	3240940	591
WP-GR HF IP69K M25 BK	3240941	591
WP-GR HF IP69K M32 BK	3240942	591
WP-GR HF IP69K M40 BK	3240943	591
WP-GR HF IP69K PG11 BK	3240932	591
WP-GR HF IP69K PG16 BK	3240933	591
WP-GR HF IP69K PG21 BK	3240934	591
WP-GR HF IP69K PG29 BK	3240935	591
WP-GR HF IP69K PG36 BK	3240936	591
WP-GR HF IP69K PG7 BK	3240930	591
WP-GR HF IP69K PG9 BK	3240931	591
WP-GT BRASS M10	3241030	599
WP-GT BRASS M12	3241031	599
WP-GT BRASS M16	3241032	599
WP-GT BRASS M20	3241033	599
WP-GT BRASS M25	3241034	599
WP-GT BRASS M32	3241035	599
WP-GT BRASS M40	3241036	599
WP-GT BRASS PG11	3241025	599
WP-GT BRASS PG16	3241026	599
WP-GT BRASS PG21	3241027	599
WP-GT BRASS PG29	3241028	599
WP-GT BRASS PG36	3241029	599
WP-GT BRASS PG7	3241023	599
WP-GT BRASS PG9	3241024	599
WP-GT PP HF M12	3241010	595
WP-GT PP HF M16	3241011	595
WP-GT PP HF M20	3241012	595
WP-GT PP HF M25	3241013	595
WP-GT PP HF M32	3241014	595
WP-GT PP HF M40	3241015	595
WP-GT PP HF PG11	3241004	595
WP-GT PP HF PG16	3241005	595
WP-GT PP HF PG21	3241006	595
WP-GT PP HF PG29	3241007	595
WP-GT PP HF PG36	3241008	595
WP-GT PP HF PG7	3241002	595
WP-GT PP HF PG9	3241003	595
WP-OR M10	3241187	607
WP-OR M12	3241188	607
WP-OR M16	3241189	607
WP-OR M20	3241190	607
WP-OR M25	3241191	607
WP-OR M32	3241192	607
WP-OR M40	3241193	607
WP-OR PG11	3241196	607
WP-OR PG16	3241197	607
WP-OR PG21	3241198	607
WP-OR PG29	3241199	607
WP-OR PG36	3241200	607
WP-OR PG7	3241194	607
WP-OR PG9	3241195	607
WP-PA HF 10,0 BK	3240680	585
WP-PA HF 13,0 BK	3240681	585
WP-PA HF 15,8 BK	3240682	585
WP-PA HF 21,2 BK	3240683	585
WP-PA HF 28,5 BK	3240684	585
WP-PA HF 34,5 BK	3241088	585
WP-PA HF 42,5 BK	3241089	585
WP-PA HF 54,5 BK	0803381	585
WP-PA HF-HB 10,0 BK	3240838	585
WP-PA HF-HB 13,0 BK	3240839	585
WP-PA HF-HB 15,8 BK	3240840	585
WP-PA HF-HB 21,2 BK	3240841	585
WP-PA HF-HB 28,5 BK	3240842	585

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Type	Order No.	Page
WP-PA HF-HB 34,5 BK	3240843	585
WP-PA HF-HB 42,5 BK	3240844	585
WP-PA HF-SL 21,2 BK	3240845	584
WP-PA HF-SL 28,5 BK	3240846	584
WP-PA HF-SL 34,5 BK	3240847	584
WP-PA HF-SL 42,5 BK	3240848	584
WP-SC BRASS 10	3241065	597
WP-SC BRASS 14	3241066	597
WP-SC BRASS 17	3241067	597
WP-SC BRASS 21	3241068	597
WP-SC BRASS 27	3241069	597
WP-SC BRASS 36	3241070	597
WP-SC BRASS 45	3241071	597
WP-SC BRASS WP PVC 10	3241072	600
WP-SC BRASS WP PVC 14	3241073	600
WP-SC BRASS WP PVC 17	3241074	600
WP-SC BRASS WP PVC 21	3241075	600
WP-SC BRASS WP PVC 27	3241076	600
WP-SC BRASS WP PVC 36	3241077	600
WP-SC BRASS WP PVC 45	3241078	600
WP-SC HF 10	3241016	593
WP-SC HF 14	3241017	593
WP-SC HF 17	3241018	593
WP-SC HF 21	3241019	593
WP-SC HF 27	3241020	593
WP-SC HF 36	3241021	593
WP-SC HF 45	3241022	593
WP-SC PA HF 10,0 BK	3240981	585
WP-SC PA HF 13,0 BK	3240982	585
WP-SC PA HF 15,8 BK	3240983	585
WP-SC PA HF 21,2 BK	3240984	585
WP-SC PA HF 28,5 BK	3240985	585
WP-SC PA HF 34,5 BK	3240986	585
WP-SC PA HF 42,5 BK	3240987	585
WP-SPIRAL PU C HF 10	3240856	593
WP-SPIRAL PU C HF 14	3240857	593
WP-SPIRAL PU C HF 17	3240858	593
WP-SPIRAL PU C HF 21	3240859	593
WP-SPIRAL PU C HF 27	3240860	593
WP-SPIRAL PU C HF 36	3240861	593
WP-SPIRAL PU C HF 45	3240862	593
WP-SPIRAL PVC C 10	3240849	592
WP-SPIRAL PVC C 14	3240850	592
WP-SPIRAL PVC C 17	3240851	592
WP-SPIRAL PVC C 21	3240852	592
WP-SPIRAL PVC C 27	3240853	592
WP-SPIRAL PVC C 36	3240854	592
WP-SPIRAL PVC C 45	3240855	592
WP-STEEL PVC C 10	3240867	600
WP-STEEL PVC C 14	3240868	600
WP-STEEL PVC C 17	3240869	600
WP-STEEL PVC C 21	3240870	600
WP-STEEL PVC C 27	3240871	600
WP-STEEL PVC C 36	3240872	600
WP-STEEL PVC C 45	3240873	600
WP-STEEL S 10	3240686	597
WP-STEEL S 14	3240687	597
WP-STEEL S 17	3240863	597
WP-STEEL S 21	3240688	597
WP-STEEL S 27	3240864	597
WP-STEEL S 36	3240689	597
WP-STEEL S 45	3240690	597
WP-STEEL ZC 10	3240697	596
WP-STEEL ZC 14	3240865	596
WP-STEEL ZC 17	3240698	596
WP-STEEL ZC 21	3240699	596
WP-STEEL ZC 27	3240866	596
WP-STEEL ZC 36	3240700	596
WP-STEEL ZC 45	3240701	596
WS PT 10	1029030	155
WS PT 16	1029033	155
WS PT 2,5	1029026	155
WS PT 4	1029563	155
WS PT 6	1029029	155
WS UT 10	3047361	155
WS UT 16	3047374	155
WS UT 2,5	3047923	155
WS UT 35	3047387	155
WS UT 4	3047332	155
WS UT 6	3047345	155
WST 1,5	3030958	155
WST 10/35	3030006	155
WST 2,5	3030941	155
WST 4	3030954	155
WST 6	3030967	155
WT-BASE HF 5	3240702	622
WT-BASE HF 5 BK	3240703	622
WT-BASE HF 9	3240704	622
WT-BASE HF 9 BK	3240705	622
WT-BASE LS HF 4	3240706	622
WT-BASE LS HF 4 BK	3240707	622
WT-BASE LS HF 6	3240708	622
WT-BASE LS HF 6 BK	3240709	622
WT-BASE P HF 9,5 BK	3240710	623
WT-BASE R HF 8	3240711	623
WT-D HF 7,5X200	3240712	618
WT-D HF 7,5X200 BK	3240713	618
WT-D HF 7,5X250	3240714	618
WT-D HF 7,5X250 BK	3240715	618
WT-D HF 7,5X350	3240716	618
WT-D HF 7,5X350 BK	3240717	618
WT-E HF 3,6X150	3240718	618
WT-E HF 4,8X200	3240720	618
WT-E HF 7,8X200	3240722	618
WT-E HF 7,8X300	3240724	618
WT-E HF 7,8X380	3240726	618
WT-HF 12,6X1000	3240728	614
WT-HF 12,6X1000 BK	3240729	615
WT-HF 12,6X850	3240730	614
WT-HF 12,6X850 BK	3240731	615
WT-HF 2,5X98	3240732	614
WT-HF 2,5X98 BK	3240733	615
WT-HF 2,5X98 BK-L	3240734	615
WT-HF 2,5X98-L	3240735	614
WT-HF 2,6X160	3240736	614
WT-HF 2,6X160 BK	3240737	615
WT-HF 2,6X160 BK-L	3240738	615
WT-HF 2,6X160-L	3240739	614
WT-HF 2,6X200	3240740	614
WT-HF 2,6X200 BK	3240741	615
WT-HF 2,6X200 BK-L	3240742	615
WT-HF 2,6X200-L	3240743	614
WT-HF 3,6X140	3240744	614
WT-HF 3,6X140 BK	3240745	615
WT-HF 3,6X140 BK-L	3240746	615
WT-HF 3,6X140-L	3240747	614
WT-HF 3,6X200	3240748	614
WT-HF 3,6X200 BK	3240749	615
WT-HF 3,6X200 BK-L	3240750	615
WT-HF 3,6X200-L	3240751	614
WT-HF 3,6X290	3240752	614
WT-HF 3,6X290 BK	3240753	615
WT-HF 3,6X290 BK-L	3240754	615
WT-HF 3,6X290-L	3240755	614
WT-HF 4,5X160	3240756	614
WT-HF 4,5X160 BK	3240757	615
WT-HF 4,5X160 BK-L	3240758	615
WT-HF 4,5X160-L	3240759	614
WT-HF 4,5X200	3240760	614
WT-HF 4,5X200 BK	3240761	615
WT-HF 4,5X200 BK-L	3240762	615
WT-HF 4,5X200-L	3240763	614
WT-HF 4,5X290	3240764	614
WT-HF 4,5X290 BK	3240765	615
WT-HF 4,5X360	3240768	614
WT-HF 4,5X360 BK	3240769	615
WT-HF 4,5X430	3240770	614
WT-HF 4,5X430 BK	3240771	615
WT-HF 7,8X300	3240772	614
WT-HF 7,8X300 BK	3240773	615
WT-HF 7,8X365	3240774	614
WT-HF 7,8X365 BK	3240775	615
WT-HF 7,8X540	3240719	614
WT-HF 7,8X540 BK	3240721	615
WT-HF 9X780	3240778	614
WT-HF 9X780 BK	3240779	615
WT-HP HF 3,6X140	0830982	616
WT-HP HF 4,5X290	0830984	616
WT-HP HF 4,8X200	0830983	616
WT-HT HF 2,5X98	3240780	617
WT-HT HF 2,5X98 BK	3240781	617
WT-HT HF 3,6X140	3240782	617
WT-HT HF 3,6X140 BK	3240783	617
WT-HT HF 3,6X200	3240784	617
WT-HT HF 3,6X200 BK	3240785	617
WT-HT HF 4,5X200	3240786	617
WT-HT HF 4,5X200 BK	3240787	617
WT-HT HF 4,5X290	3240788	617
WT-HT HF 4,5X290 BK	3240789	617
WT-HT HF 7,8X365	3240792	617
WT-HT HF 7,8X365 BK	3240793	617
WT-ID HF 2,5X98 BU	3240794	619
WT-ID HF 3,5X140 BU	3240795	619
WT-ID HF 3,5X200 BU	3240796	619
WT-ID HF 4,5X200 BU	3240797	619
WT-ID HF 4,5X290 BU	3240798	619
WT-ID HF 7,5X365 BU	3240800	619
WT-R HF 3,6X150	3240801	619
WT-R HF 4,8X200	3240803	619
WT-STEEL S 4,6X1067	3240805	620
WT-STEEL S 4,6X150	3240807	620
WT-STEEL S 4,6X201	3240808	620
WT-STEEL S 4,6X259	3240809	620
WT-STEEL S 4,6X360	3240810	620
WT-STEEL S 4,6X520	3240811	620
WT-STEEL S 4,6X679	3240812	620
WT-STEEL S 4,6X838	3240723	620
WT-STEEL S 7,9X1067	3240813	620
WT-STEEL S 7,9X259	3240814	620
WT-STEEL S 7,9X360	3240815	620
WT-STEEL S 7,9X520	3240816	620
WT-STEEL S 7,9X679	3240817	620
WT-STEEL S 7,9X838	3240725	620
WT-STEEL SH 4,6X1067	3240818	621
WT-STEEL SH 4,6X150	3240820	621
WT-STEEL SH 4,6X201	3240821	621
WT-STEEL SH 4,6X259	3240822	621
WT-STEEL SH 4,6X360	3240823	621
WT-STEEL SH 4,6X520	3240824	621
WT-STEEL SH 4,6X679	3240825	621
WT-STEEL SH 4,6X838	3240727	621
WT-STEEL SH 7,9X1067	3240826	621
WT-STEEL SH 7,9X259	3240827	621
WT-STEEL SH 7,9X360	3240828	621
WT-STEEL SH 7,9X520	3240829	621
WT-STEEL SH 7,9X679	3240830	621
WT-STEEL SH 7,9X838	3240766	621
WT-UV HF 2,5X98 BK	3240831	616
WT-UV HF 3,6X140 BK	3240832	616
WT-UV HF 3,6X200 BK	3240833	616
WT-UV HF 4,5X200 BK	3240834	616
WT-UV HF 4,5X290 BK	3240835	616
WT-UV HF 7,8X365 BK	3240837	616
X		
X-PEN 0,35	0811228	54
Z		
ZAP 25	1203110	508
ZAP 25 T	1203123	509
ZAP 100	1203259	509
ZAP 100 T	1203262	509
ZAP 40	1212630	508
ZB 10:UNBEDRUCKT	1053001	121
ZB 12,LGS:L1-N,PE	0812146	121
ZB 12:UNPRINTED	0812120	121
ZB 13:UNBEDRUCKT	0829131	121
ZB 14:UNPRINTED	0820277	122
ZB 15,LGS:L1-N,PE	0811998	122
ZB 15:UNBEDRUCKT	0811972	122
ZB 16,3:UNPRINTED	0820222	123
ZB 16,LGS:L1-N,PE	0827462	123
ZB 16:UNPRINTED	0827461	123
ZB 17:UNBEDRUCKT	0829391	123
ZB 18,LGS:L1-N,PE	0811846	124
ZB 18:UNBEDRUCKT	0811833	124
ZB 20,3:UNPRINTED	0820248	124
ZB 21,1:UNBEDRUCKT	0829456	125
ZB 22,LGS:L1-N,PE	0811875	125
ZB 22:UNBEDRUCKT	0811862	125
ZB 25:UNPRINTED	0802751	125
ZB 3,5,LGS:FORTL.ZAHLEN	0801404	116
ZB 3,5,QR:FORT.ZAHLEN	0801405	116
ZB 3,5:UNBEDRUCKT	0829414	116
ZB 4 :UNBEDRUCKT	0805001	117
ZB 4,LGS:FORTL.ZAHLEN	0805739	117
ZB 4,QR:FORTL.ZAHLEN	0805807	117
ZB 4/WH-100:UNBEDRUCKT	0805810	117
ZB 5 :UNBEDRUCKT	1050004	117
ZB 5,08,LGS:FORTL.ZAHLEN	0809803	117
ZB 5,08,LGS:L1-N,PE	0809832	117
ZB 5,08,LGS:U-N	0809845	117
ZB 5,08,QR:FORTL.ZAHLEN	0809858	117
ZB 5,08:UNBEDRUCKT	0809793	117
ZB 5,8:UNBEDRUCKT	2715209	118
ZB 5,LGS:FORTL.ZAHLEN	1050017	117
ZB 5,LGS:GERADE ZAHLEN	0800035	117
ZB 5,LGS:GLEICHE ZAHLEN	1050033	117
ZB 5,LGS:GROSSBUCHST.	1050059	117
ZB 5,LGS:L1-N,PE	1050415	117
ZB 5,LGS:SYMBOLE	1050091	117
ZB 5,LGS:UNGERADE ZAHLEN	0800019	117
ZB 5,QR:FORTL.ZAHLEN	1050020	117
ZB 5,QR:GERADE ZAHLEN	1052811	117
ZB 5,QR:UNGERADE ZAHLEN	1052824	117
ZB 5/WH-100:UNBEDRUCKT	5060906	117
ZB 6,6,LGS:FORTL.ZAHLEN	1052345	119
ZB 6,6:UNBEDRUCKT	1052332	119
ZB 6,LGS:FORTL.ZAHLEN	1051016	118
ZB 6,LGS:GERADE ZAHLEN	1052808	118
ZB 6,LGS:GLEICHE ZAHLEN	1051032	118
ZB 6,LGS:GROSSBUCHSTABEN	1051058	118
ZB 6,LGS:L1-N,PE	1051414	118
ZB 6,LGS:SYMBOLE	1051090	118
ZB 6,LGS:U-N	1051430	118
ZB 6,LGS:UNGERADE ZAHLEN	1052798	118
ZB 6,QR:FORTL.ZAHLEN	1051029	118
ZB 6,QR:GERADE ZAHLEN	1052785	118
ZB 6,QR:UNGERADE ZAHLEN	1052772	118
ZB 6/WH-100:UNBEDRUCKT	5060935	118
ZB 6:UNBEDRUCKT	1051003	118
ZB 7,5:UNBEDRUCKT	0803948	119
ZB 7,62,LGS:FORTL.ZAHLEN	1054233	119
ZB 7,62/WH-100:UNBEDRUCKT	5060922	119
ZB 7,62:UNBEDRUCKT	1054000	119
ZB 8,LGS:FORTL.ZAHLEN	1052015	120
ZB 8,LGS:L1-N,PE	1052413	120
ZB 8,LGS:SYMBOLE	1052099	120
ZB 8,QR:FORTL.ZAHLEN	1052028	120
ZB 8/WH-100:UNBEDRUCKT	5060896	120
ZB 8:UNBEDRUCKT	1052002	120
ZB 9:UNBEDRUCKT	0829127	120
ZB10,LGS:FORTL.ZAHLEN	1053014	121
ZB10,LGS:L1-N,PE	1053412	121
ZB10,LGS:SYMBOLE	1053098	121
ZB10,LGS:U-N	1053438	121
ZB10,QR:FORTL.ZAHLEN	1053027	121
ZB10/WH-100:UNBEDRUCKT	5060883	121
ZBF 12/WH-100:UNBEDRUCKT	0823672	129
ZBF 12:UNBEDRUCKT	0809735	129
ZBF 13:UNBEDRUCKT	0829133	130
ZBF 15:UNBEDRUCKT	0811202	130
ZBF 16:UNPRINTED	0827464	131
ZBF 17:UNBEDRUCKT	0815020	131
ZBF 19,7:UNBEDRUCKT	0810627	131
ZBF 3,5,LGS:FORTL.ZAHLEN	0801406	126
ZBF 3,5,QR:FORTL.ZAHLEN	0801407	126
ZBF 3,5:UNBEDRUCKT	0829392	126
ZBF 4,LGS:FORTL.ZAHLEN	0808626	127
ZBF 4,LGS:GERADE ZAHLEN	0810818	127
ZBF 4,LGS:UNGERADE ZAHLEN	0810850	127
ZBF 4,QR:FORTL.ZAHLEN	0808820	127
ZBF 4/WH-100:UNBEDRUCKT	0808613	127
ZBF 4:UNBEDRUCKT	0808587	127
ZBF 5,LGS:FORTL.ZAHLEN	0808671	127
ZBF 5,LGS:GERADE ZAHLEN	0810821	127
ZBF 5,LGS:L1-N,PE	0809528	127
ZBF 5,LGS:UNGERADE ZAHLEN	0810863	127

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Alphabetical

Type	Order No.	Page
ZBF 5,QR:FORTL.ZAHLEN	0808697	127
ZBF 5/WH-100:UNBEDRUCKT	0808668	127
ZBF 5:UNBEDRUCKT	0808642	127
ZBF 6,LGS:FORTL.ZAHLEN	0808749	127
ZBF 6,LGS:GERADE ZAHLEN	0810834	127
ZBF 6,LGS:UNGERADE ZAHLEN	0810876	127
ZBF 6,QR:FORTL.ZAHLEN	0808765	127
ZBF 6/WH-100:UNBEDRUCKT	0808736	127
ZBF 6:UNBEDRUCKT	0808710	127
ZBF 7,5,LGS:FORTL.ZAHLEN	0809955	128
ZBF 7,5,QR:FORTL.ZAHLEN	0809968	128
ZBF 7,5:UNBEDRUCKT	0809942	128
ZBF 8,LGS:FORTL.ZAHLEN	0808804	128
ZBF 8/WH-100:UNBEDRUCKT	0808794	128
ZBF 8:UNBEDRUCKT	0808781	128
ZBF 9:UNBEDRUCKT	0829129	129
ZBF10,LGS:FORTL.ZAHLEN	0810009	129
ZBF10,QR:FORTL.ZAHLEN	0810025	129
ZBF10:UNBEDRUCKT	0809997	129

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