

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.

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Automatic stripping



Automatic crimping



**Automatic stripping and crimping
in a single operation**



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.

Automatic devices

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

ERC

Dimensions	
	[mm]
General data	
Weight	[kg]
Power consumption	[VA]
Cutting efficiency	
Finely stranded	[mm ²]
Solid strand	[mm ²]
Max. throughput	[mm]
Cross section setting	
Maximum number of cuts	[Pcs.]
Length	[mm]
Feed rate	[m/s]
Unit of measurement	
Dialog language	

Technical data		
Width	Length	Height
194	301	228

11	
150	
0.08 - 10	
0.08 - 2.5	
8	
automatic	
9999	
2 mm ... 999999 mm	
0.5	
mm/inch	
German / English / French / Italian	

Description
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 mm ²) and flexible (up to 10 mm ²)

Ordering data		
Type	Order No.	Pcs./Pkt.
CUTFOX 10	1206829	1

Cable unwinders, for CUTFOX 10, for accommodating and unwinding cable rings and coils in a coordinated way, complete

Turntable, for CUTFOX 10 cable unwinders, for accommodating cable rings and cable coils

Retaining bolts, for CUTFOX 10 rotary table, 4 pcs.

Replacement drive rollers, for CUTFOX 10, 2 pcs.

Replacement blade set, for CUTFOX 10

Drive rollers for CUTFOX 10, 2 pcs., with PU tread, for sensitive cables/conductors

Drive rollers for CUTFOX 10, 2 pcs., with hardened, finely knurled steel tread, for very hard insulation and materials.

Accessories		
CUTFOX 10 C-UN	1208393	1
CUTFOX 10 R-C	1208403	1
CUTFOX 10 BAR	1208416	1
CF-10 WHEEL SET	1207271	1
CF-10 CUTTER KNIFE SET	1207284	1
CF-10 WHEEL SET PU	1200098	1
CF-10 WHEEL SET STEEL	1200099	1



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

ERC

Dimensions	
	[mm]
General data	
Weight	[kg]
Power consumption	[VA]
Working cycle	[s]
Stripping power	
Finely stranded	[mm ²]
Stripping length	[mm]
Partial stripping length	[mm]
Max. throughput	[mm]

Technical data		
Width	Length	Height
141	363	221
Weight	9.5	
Power consumption	160	
Working cycle	0.3	
Finely stranded	0.08 - 6	
Stripping length	2-20	
Partial stripping length	2-20	
Max. throughput	6	

Description
Stripping machine , 230 V/50 Hz version, for conductors and cables, rigid and flexible 0.08 - 6 mm ² (maximum Ø 6 mm), with integrated graphic display
Stripping machine , 120 V/60 Hz version, for conductors and cables, rigid and flexible 0.08 - 6 mm ² (maximum Ø 6 mm), with integrated graphic display

Ordering data		
Type	Order No.	Pcs./Pkt.
WF 1000	1212149	1
WF 1000 120V	1212258	1

Replacement stripping blade , for WF 1000
Actuation button for WF 1000
Replacement receptacle tray , for WF 1000

Accessories		
WF 1000/SB	1212279	1
WF 1000/TR	1212416	1
WF 1000/COV	1212417	1

Automatic devices

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

Dimensions	
	[mm]
General data	
Weight	[kg]
Conductor	[mm ²] / AWG
Pressure range	[bar]
Air consumption per compression	[l]
Crimping	

Technical data		
Width	Length	Height
44	200	44
0.4		
0.25 - 2.5 / 24 - 14		
4 - 6		
0.2		
Trapezoidal		

Description
Pneumatic crimping pliers , for ferrules in accordance with DIN 46228-1/-4 and UL 486 F, universal die, lateral and front 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, 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 25	1203110	1

Technical data		
Width	Length	Height
44	200	44
0.4		
0.25 - 4 / 24 - 12		
4 - 6		
0.2		
Trapezoidal		

Ordering data		
Type	Order No.	Pcs./Pkt.
ZAP 40	1212630	1



Conductor cross sections
from 4 to 10 mm²



Conductor cross sections
from 0.25 to 2.5 mm²



Conductor cross sections
from 4 to 10 mm²

ERC

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

ERC

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

ERC

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

Automatic devices

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

ERC

Dimensions	
	[mm]
General data	
Weight	[kg]
Power consumption	[VA]
Pressure	[kN]
Working cycle	[s]

Technical data		
Width	Length	Height
140	220	320

Description
Crimping device , 230 V/50 Hz version, with quantity counter and foot switch
Crimping device , 120 V/60 Hz version, with quantity counter and foot switch

Ordering data		
Type	Order No.	Pcs./Pkt.
CF 500-230V	1208348	1
CF 500-120V	1208351	1

CF 500 protective cover , without recess (for all dies without assignment)
For ferrules of up to 6 mm ² (AI 6...)
For TWIN ferrules (AI-TWIN...)
For insulated cable lugs (RCI..., TC4)
For uninsulated cable lugs 0.5 - 10 mm ² (RC...FC...)
For uninsulated cable lugs and tubular cable lugs 0.34 - 2.5 mm ² (RC...FC...)
For slip-on sleeves and flat connectors SC 1,5... and SC 6...
For FBS ... plug-in bridges
CF 500 Locator , for slip-on sleeves (SCF...), 0.1 - 1.5 mm ² , width: 2.8 mm, length: 5 mm
For slip-on sleeves (SCF...), width: 4.8 mm, 0.5 - 2.5 mm ²
For slip-on sleeves (SCF...) width: 6.3 mm, 0.5 - 6 mm ²
For slip-on sleeves (SCM...), width: 6.3 mm, 0.5 - 2.5 mm ²
For slip-on sleeves (SCM...), width: 6.3 mm, 1.5 - 6 mm ²

Accessories		
CF 500/COV	1212250	1
CF 500/COV AI 6	1212254	1
CF 500/COV AI TWIN	1212266	1
CF 500/COV RCI	1212255	1
CF 500/COV RC 10	1212252	1
CF 500/COV RCT 4	1212253	1
CF 500/COV SC	1212251	1
CF 500/COV FBS	1212462	1
CF 500/LOC SCF 2,8/1,5	1212249	1
CF 500/LOC SCF 4,8/2,5	1212248	1
CF 500/LOC SCF 6,3/6	1212247	1
CF 500/LOC SCM 6,3/2,5	1212264	1
CF 500/LOC SCM 6,3/6	1212265	1

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

ERIC

Ordering data			
Description	Type	Order No.	Pcs./Pkt.
CF 500 die, For ferrules (A... and Al...) 0.14 - 6 mm ²	CF 500/DIE AI 6	1212238	1
For ferrules (A... and Al...) 10, 16 and 25 mm ²	CF 500/DIE AI 25	1212239	1
For ferrules (A... and Al...) 35 and 50 mm ²	CF 500/DIE AI 50	1212261	1
For TWIN ferrules (AI-TWIN...) 2 x 4, 2 x 6 and 2 x 10 mm ²	CF 500/DIE AI-TWIN 10	1212262	1
for TWIN ferrules (AI-TWIN ...) 2 x 6, 2 x 10 and 2 x 16 mm ²	CF 500/DIE AI-TWIN 16	1200299	1
CF 500 die For insulated cable lugs (RCI... and FCI...) 0.14 - 1,5 mm ²	CF 500/DIE RCI 1,5	1212263	1
For insulated cable lugs (RCI... and FCI...) 0.5 - 6 mm ²	CF 500/DIE RCI 6	1212240	1
For insulated cable lugs (RCI... and FCI...) 0.5 - 6 mm ² (asymmetrical crushing mold)	CF 500/DIE RCI 6-1	1212691	1
For cable lugs (RC... and FC...) 0.5 - 10 mm ²	CF 500/DIE RC 10	1212244	1
For cable lugs (RC... and FC...) 16 mm ²	CF 500/DIE RC 16	1212257	1
CF 500 die For slip-on sleeves and flat connectors (SCF... and SCM...) 0.1 - 1.5 mm ²	CF 500/DIE SC 1,5	1212241	1
For slip-on sleeves and flat connectors (SCF... and SCM...) 0.5 - 6 mm ²	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 mm ²	CF 500/DIE TC 4	1212237	1
For turned contacts (CK 4,0) 6 - 10 mm ²	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 mm ²	CF 500/DIE RCT 4	1212243	1
For standard tubular cable lugs 4 - 10 mm ² , 4 mm ² : outside Ø 5 mm, inside Ø 3 mm, 6 mm ² : outside Ø 6.5 mm, inside Ø 3.5 mm, 10 mm ² : outside Ø 7 mm, inside Ø 4.5 mm	CF 500/DIE RCT 10-1	1212245	1
For tube lugs 4 - 10 mm ² , 4 mm ² : outside Ø 5 mm, inside Ø 3 mm, 6 mm ² : outside Ø 5.5 mm, inside Ø 3.8 mm, 10 mm ² : outside Ø 6 mm, inside Ø 4.5 mm	CF 500/DIE RCT 10-2	1212246	1
For tube lugs 4 - 10 mm ² , 4 mm ² : outside Ø 5 mm, inside Ø 3 mm, 6 mm ² : outside Ø 6 mm, inside Ø 4 mm, 10 mm ² : outside Ø 8 mm, inside Ø 5 mm	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



Automatic devices

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 attachable waste receptacle collects the discarded insulation. It thereby helps to ensure a clean working environment
- 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

ERC

Technical data

Dimensions	
	[mm]
General data	
Weight	[kg]
Conductor	[mm ²] / AWG
Working cycle	[s]
Insertion length	[mm]
Crimping	

Width	Length	Height
43	205	70
0.43	- 0.5 / -	< 2
	> 32 mm	Square crimp

Ordering data

Description
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)

Type	Order No.	Pcs./Pkt.
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⁾
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⁾

AI 0,5-8 WH-S	1212521	1000
AI 0,5-8 OG-S	1212784	1000

Replacement battery, for CF CRIMPHANDY...,
Li-ion 7.4 V, 0.68 Ah

Replacement waste guide plate 1, for CF CRIMPHANDY...

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

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

Cutting unit, for CF CRIMPHANDY, for copper wires
from 0.5 - 1.5 mm², incl. receptacle tray

Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC

CF CRIMPHANDY/ACCU	1212518	1
CF CRIMPHANDY/GP1	1212514	1
CF CRIMPHANDY 0,5/GP2	1212515	1
CF CRIMPHANDY 0,5/SERVICE-TOOL	1212787	1
CF CRIMPHANDY CUTTER	1212520	1
CF CRIMPHANDY/CHARGER	1212519	1



Conductor cross section 0.75 mm²



Conductor cross section 1.0 mm²



Conductor cross section 1.5 mm²

ERC

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 AI 0,75- 8 WH-S AI 0,75- 8 BU-S	1212522 1212783 1212785	1000 1000 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

ERC

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 AI 1,0-8 YE-S	1212523 1212782	1000 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

ERC

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 AI 1,5-8 RD-S	1212524 1212781	1000 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

Automatic devices

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

ERC

Dimensions	
	[mm]
General data	
Weight	[kg]
Area of application	
Conductor	[mm ²] / AWG
Power consumption	[VA]
Working cycle	[s]
Insertion length	[mm]
Crimping	

Description
Stripping and crimping device, 230 V version, for taped insulated ferrules 0.25 - 2.5 mm ² , sleeve length 8 mm, incl. conversion kits 0.5 - 2.5 mm ² ¹⁾
Stripping and crimping device, 120 V version, for taped insulated ferrules 0.25 - 2.5 mm ² , sleeve length 8 mm, incl. conversion kits 0.5 - 2.5 mm ² ¹⁾

Extension kit, complete, for CF 3000, for taped insulated ferrules,
0.25/0.34 mm², sleeve length 8 mm¹⁾

Replacement locator,

0.25 mm²
0.5 mm²
0.75 mm²
1.0 mm²
1.5 mm²
2.5 mm²

Replacement blade, 0.25 mm², adjustable

0.25 mm², adjustable
0.5 mm²
0.75 mm²
1.0 mm²
1.5 mm²
2.5 mm²

Technical data		
Width	Length	Height
165	320	300

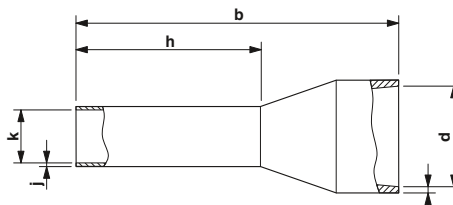
Weight	12
Conductor	0.25 - 2.5 / 24 - 14
Power consumption	80
Working cycle	1.2
Insertion length	> 49 mm
Crimping	Trapezoidal

Ordering data		
Type	Order No.	Pcs./Pkt.
CF 3000-2,5	1205477	1
CF 3000-2,5 120V	1205516	1

Accessories		
	Order No.	Pcs./Pkt.
CF 3000-TOOLKIT 0,25	1212376	1
CF 3000 LOC 0,25	1212377	1
CF 3000 LOC 0,5	1205639	1
CF 3000 LOC 0,75	1205642	1
CF 3000 LOC 1,0	1205655	1
CF 3000 LOC 1,5	1205668	1
CF 3000 LOC 2,5	1205671	1
CF 3000 AB 0,25	1212380	1
CF 3000 AM 0,5	1205587	1
CF 3000 AM 0,75	1205590	1
CF 3000 AM 1,0	1205600	1
CF 3000 AM 1,5	1205613	1
CF 3000 AM 2,5	1205626	1

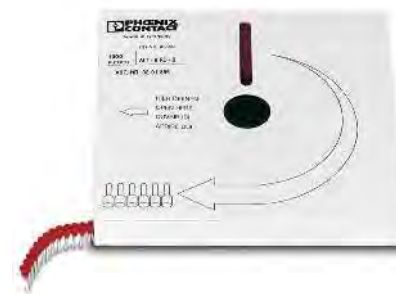
Ferrules with plastic sleeve, taped, for the CF 3000-2,5 crimping machine

- 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



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 sections from 0.25 to 8 mm²



General data

Material / coating
Plastic sleeve material
Long/short-term temperature

Technical data

CU-DHP / tin-plated (galvanic)
Polypropylene / free from silicone and halogen
105°C (-40°C no load / 0°C dynamic load) / 120°C

Ordering data

Description	Cross section [mm ²] AWG	Color
-------------	---	-------

Taped ferrules, 8 mm, with plastic sleeve, UL and CSA-certified, color code in accordance with DIN 46228-4

0.5	20	white
0.75	18	gray
1	18	red
1.5	16	black
2.5 ¹⁾	14	blue

Taped ferrules, with plastic sleeve, color code in accordance with NFC 63-023: 1994-02, CSA-certified

0.75 ¹⁾	18	blue
0.5	20	white
1	18	red
1.5	16	black
2.5 ¹⁾	14	gray

Taped ferrules, 8 mm, with plastic sleeve, CSA-certified, special color code

0.25 ¹⁾	24	yellow
0.25 ¹⁾	24	blue
0.34 ¹⁾	22	turquoise
0.5 ¹⁾	20	orange
0.75 ¹⁾	18	white
1 ¹⁾	18	yellow
1.5 ¹⁾	16	red

Dimensions [mm]							
a	b	d	h	i	j	k	

-	14.00	2.50	8.00	0.25	0.15	1.10	
-	14.00	2.80	8.00	0.25	0.15	1.30	
-	14.00	3.00	8.00	0.30	0.15	1.50	
-	14.00	3.40	8.00	0.30	0.15	1.80	
-	14.00	4.20	8.00	0.30	0.15	2.30	

-	14.00	2.20	8.00	0.25	0.15	0.80	
-	14.00	2.20	8.00	0.25	0.15	0.80	
-	14.00	2.20	8.00	0.25	0.15	0.80	
-	14.00	2.50	8.00	0.25	0.15	1.10	
-	14.00	2.80	8.00	0.25	0.15	1.30	
-	14.00	3.00	8.00	0.30	0.15	1.50	
-	14.00	3.40	8.00	0.30	0.15	1.80	

Type	Order No.	Pcs./Pkt.
AI 0,5 - 8 WH-B	3201369	1000
AI 0,75 - 8 GY-B	3201372	1000
AI 1 - 8 RD-B	3201385	1000
AI 1,5 - 8 BK-B	3201398	1000
AI 2,5 - 8 BU-B	3201408	500
AI 0,75 - 8 BU-B	3201547	1000
AI 0,5 - 8 WH-B	3201369	1000
AI 1 - 8 RD-B	3201385	1000
AI 1,5 - 8 BK-B	3201398	1000
AI 2,5 - 8 GY-B	3201550	500
AI 0,25-8 YE-B	3240251	1000
AI 0,25-8 BU-B	3240250	1000
AI 0,34-8 TQ-B	3240249	1000
AI 0,5 - 8 OG-B	3201563	1000
AI 0,75 - 8 WH-B	3201576	1000
AI 1 - 8 YE-B	3201589	1000
AI 1,5 - 8 RD-B	3201592	1000

Automatic devices

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 Al ... 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

ERC

Dimensions	
	[mm]
General data	
Weight	[kg]
Power supply	[V]
Pressure range	[bar]
Air consumption per compression	[l]
Working cycle	[s]
Insertion length	[mm]
Crimping	

Technical data		
Width	Length	Height
250	550	412

Description
Stripping and crimping device , 100 - 240 V version, electro-pneumatic, for loose ferrules with insulating collar, 0.25 - 4 mm ² , incl. conversion kits 0.5 - 1.5 mm ² (sleeve length 6 - 12 mm) ¹⁾

Ordering data		
Type	Order No.	Pcs./Pkt.

CF 1000-1,5	1208199	1
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Accessories	
Extension kit, complete, for CF 1000, for loose ferrules with insulating collar, from serial number 160637	
0.25/0.34 mm ² , sleeve length 6 and 8 mm ¹⁾	
2.5 mm ² , sleeve length 6 to 12 mm	
4 mm ² , sleeve length 10 mm	
Replacement blade , V-form, for CF 1000	
0.25 to 2.5 mm ²	
4 mm ²	
Extension components for processing Al...GB sleeves and conductors with thicker insulation. (from device serial number 160637)	
Separation plate, for Al...GB, 0.5 to 1.5 mm ²	
Locator, for Al...GB 0.5 mm ² sleeves	
for Al...GB 0.75 mm ² sleeves	
for Al...GB 1.0 mm ² sleeves	
for Al...GB 1.5 mm ² sleeves	
Replacement feeder bowl , for CF 1000-1,5	
0.25 - 0.34 mm ² sleeves	
0.50 - 1.5 mm ² sleeves	
2.5 and 4.0 mm ² sleeves	

Accessories		
Type	Order No.	Pcs./Pkt.
CF 1000-TOOLKIT 0,34/6-8	1208226	1
CF 1000-TOOLKIT 2,5/6-12	1208242	1
CF 1000-TOOLKIT 4,0/10	1208271	1
CF 1000 EM	1205215	1
CF 1000 EM4,0	1212663	1
CF 1000 VEP1,5 GB	1206901	1
CF 1000 LOC0,5 GB	1212907	1
CF 1000 LOC0,75 GB	1212908	1
CF 1000 LOC1,0 GB	1212909	1
CF 1000 LOC1,5 GB	1212910	1
CF 1000 SORT0,34	1206890	1
CF 1000 SORT1,5	1204326	1
CF 1000 SORT4,0	1206887	1

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 Al ... 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

ERC

Dimensions	
	[mm]
General data	
Weight	[kg]
Power supply	[V]
Pressure range	[bar]
Air consumption per compression	[l]
Working cycle	[s]
Insertion length	[mm]
Crimping	

Technical data		
Width	Length	Height
250	550	412

Description
Stripping and crimping machine , 100 - 240 V version, electro-pneumatic, for loose ferrules with insulating collar,
4 mm ² , 6 mm ² , and 10 mm ² (sleeve lengths 10 - 12 mm), without conversion kit

Conversion kit , complete, for CF 1000-10, for loose ferrules with insulating collar
4 mm ² , sleeve length 10 - 12 mm
6 mm ² , sleeve length 12 mm
10 mm ² , sleeve length 12 mm
Replacement blade , V-form, for CF 1000-10
4 mm ²
6 mm ²
10 mm ²

Ordering data		
Type	Order No.	Pcs./Pkt.
CF 1000-10	1212456	1

Accessories		
CF 1000-10-TOOLKIT 4/10-12	1212458	1
CF 1000-10-TOOLKIT 6/12	1212459	1
CF 1000-10-TOOLKIT 10/12	1212460	1
CF 1000 EM4,0	1212663	1
CF 1000-10 EM6,0	1212664	1
CF 1000-10 EM10	1212665	1