

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

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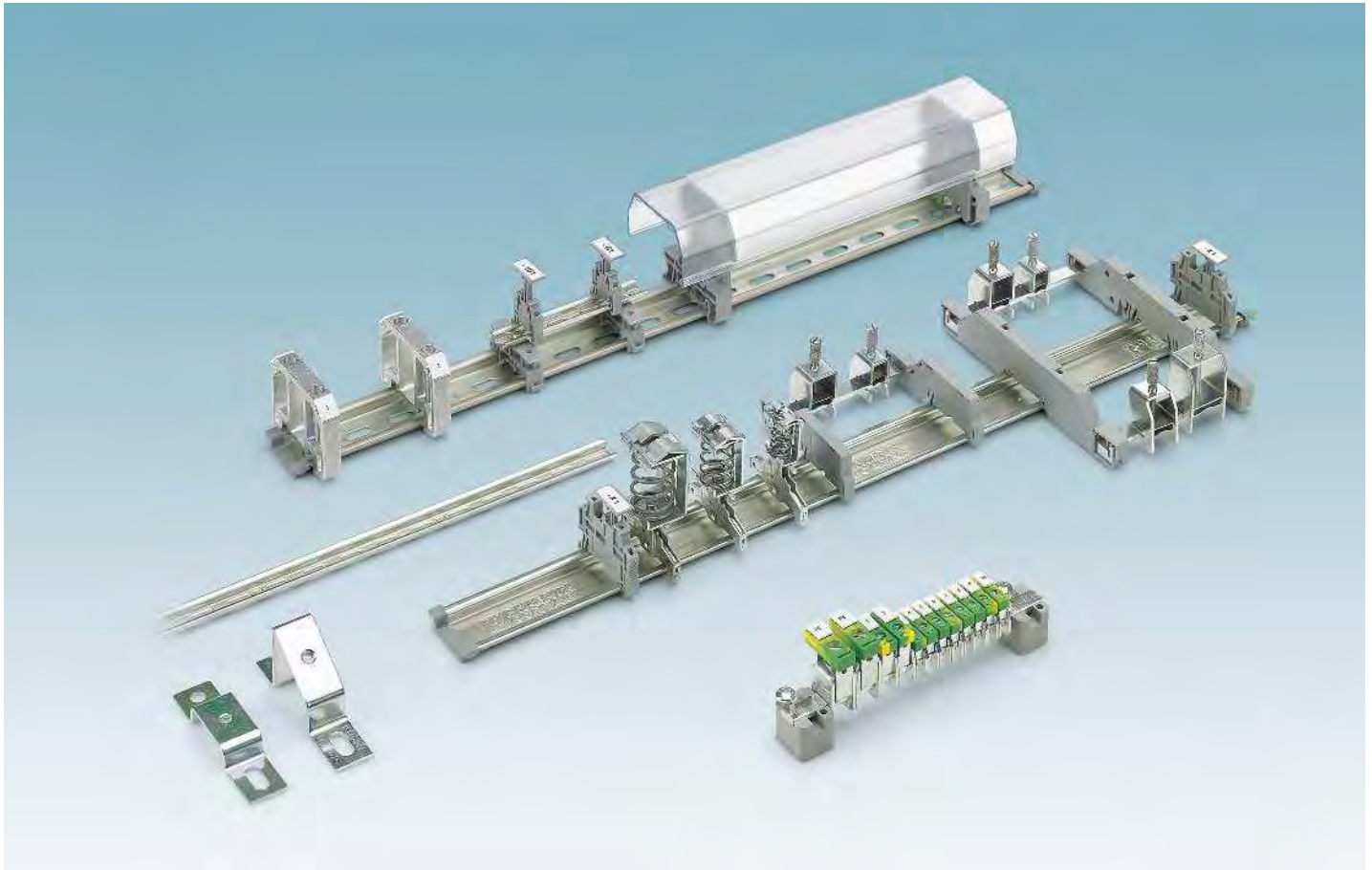
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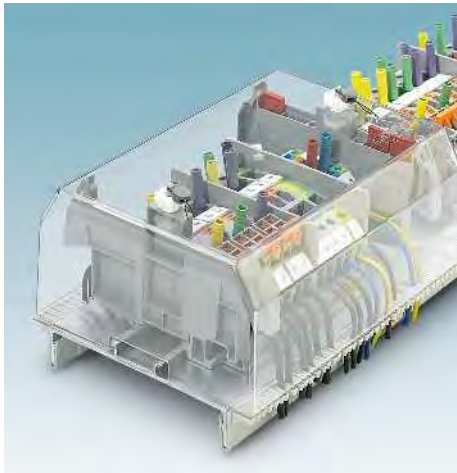
Sockets that can be mounted on DIN rails serve for easy connection of electrical auxiliary devices for assembly, testing, lighting, etc. They enable worldwide use in switchgear, control cabinets, and in simple sub-distributions. Use in all parts of the world makes it essential to offer the sockets with pin connector patterns that are standard in each country, in accordance with the currently applicable standards and regulations.



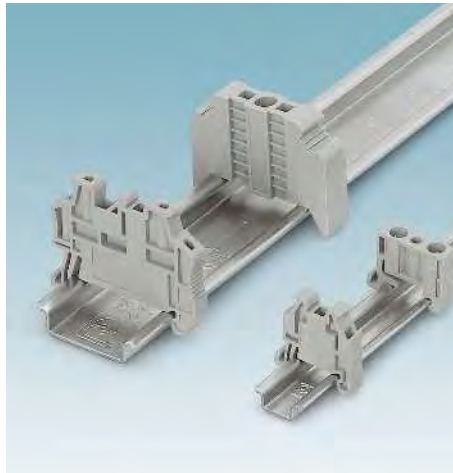
The standard DIN rail is a core product in the control cabinet. In addition to standard profiles such as NS 15 and NS 35 rails, our portfolio also includes special profiles, various materials, and surface finishes to meet a wide range of requirements.



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.



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.



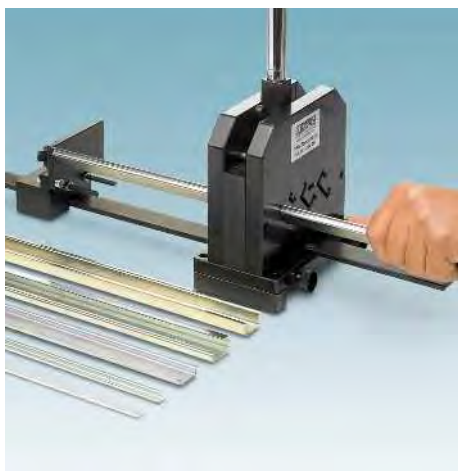
The broad spectrum of wiring channels enables a flexible, optimum use of the space available in your control cabinet. A T-connection or cross connection is established through a simple, burr-free break out of the lateral bridges.



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.

Component mounting

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

General data

Material / coating

Technical data

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			



Steel, galvanized and thick layer passivated



Steel, galvanized and white passivated



Aluminum

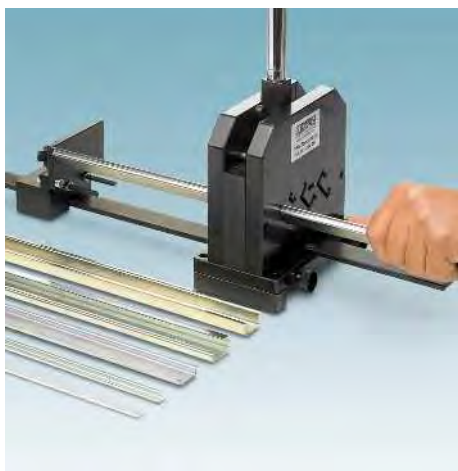
Technical data		
Steel / galvanized, passivated with a thick layer		
Ordering data		
Type	Order No.	Pcs./Pkt.
NS 15 PERF 2000MM	1401682	5
NS 15 PERF/...	1208102	1

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

Component mounting

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

General data

Material / coating

Technical data

Steel / galvanized, passivated with a thick layer

Ordering data

Description	Color
DIN rail, unperforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m	silver
DIN rail, unperforated, in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: 1 m	silver
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
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
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	silver
	copper-colored

Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 UNPERF 2000MM	0801681	5
NS 35/ 7,5 UNPERF 1000MM	1207649	20
NS 35/ 7,5 UNPERF/...	1208115	1
NS 35/ 7,5 UNPERF/SO/...	1208128	1

DIN rail end cap

for NS 35/7,5 DIN rail

Accessories

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

Installation and mounting material – CABINET add-on

Component mounting

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

General data	
Material / coating	
Description	
DIN rail, unperforated , dimensions in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m	Color
	silver
DIN rail, unperforated , dimensions in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m	
DIN rail end cap for NS 35/7,5 DIN rail	

Technical data		
Aluminum / uncoated		
Ordering data		
Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 AL UNPERF 2000MM	0801704	5
Accessories		
NS 35/ 7,5 CAP	1206560	100

Technical data		
Stainless steel V2A / uncoated		
Ordering data		
Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 V2A UNPERF 2000MM	0801377	5
Accessories		
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

Dimensions	
General data	
Material	
Description	
DIN rail end cap for NS 35/7,5 DIN rail	Color
	gray
DIN rail end cap for NS 35/15 DIN rail	

Technical data		
Width	Length	Height
PP		
Ordering data		
Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 CAP	1206560	100
NS 35/15 CAP	1206573	100

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

General data		Technical data			Technical 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			
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 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

Component mounting

NS 35 DIN rails, flat design, perforated



- 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



Aluminum

General data

Material / coating

Description

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

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

DIN rail end cap

for NS 35/7,5 DIN rail

Technical data

Aluminum / uncoated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 AL PERF 2000MM	0814681	5

Accessories

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

Installation and mounting material – CABINET add-on

Component mounting

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

General data
Material / coating

Description	Color
DIN rail, unperforated , in accordance with EN 60715 - 35 x 15 mm, tall design, supply length: 2 m	silver
DIN rail, unperforated , in accordance with EN 60715 - 35 x 15 mm, tall design, supply length: 1 m	silver
DIN rail, unperforated , similar to EN 60715 - 35 x 15 mm, tall design, supply length: up to 2 m, cut to customer-specified length ¹⁾	silver
DIN rail, unperforated , in accordance with EN 60715 - 35 x 15 mm, tall design, cut to customer-specified length, and equipped with fixing holes ²⁾	silver
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	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

DIN rail end cap for NS 35/15 DIN rail
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Technical data

Steel / galvanized, passivated with a thick layer

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/15 UNPERF 2000MM	1201714	5
NS 35/15 UNPERF 1000MM	1207655	20
NS 35/15 UNPERF/...	1208144	1
NS 35/15 UNPERF/SO/...	1208157	1

Accessories

NS 35/15 CAP	1206573	100
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Technical data

Steel / galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/15 WH UNPERF 2000MM	1204135	5

Accessories

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
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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
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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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Component mounting

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

General data	
Material / coating	
Description	
Color	
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, hole size: 6.2 x 15 mm, tall design, supply length: 2 m	
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	
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
for cabinet width/depth of 1.0 m, supply length: 955 mm	silver
for cabinet width/depth of 1.2 m, supply length: 1155 mm	silver
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⁾	
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, hole size: 6.2 x 15 mm, tall design, supply length: 2 m	
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	
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, hole size: 5.2 x 18 mm, supply length: 2 m	
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, tall design, hole size: 5.2 x 25 mm, supply length: 2 m	
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, tall design, hole size: 5.2 x 18 mm, supply length: 2 m	

Technical data		
Steel / galvanized, passivated with a thick layer		
Ordering data		
Type	Order No.	Pcs./Pkt.
NS 35/15 PERF 2000MM	1201730	5
NS 35/15 PERF 1000MM	1207658	10
NS 35/15 PERF 755MM	1207679	10
NS 35/15 PERF 955MM	1207682	10
NS 35/15 PERF 1155MM	1207695	10
NS 35/15 PERF/...	1208160	1
NS 35/15 PERF (18X5,2) 2000MM	1210006	5



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

Component mounting

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

General data		Technical data			Technical 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						



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

Component mounting

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

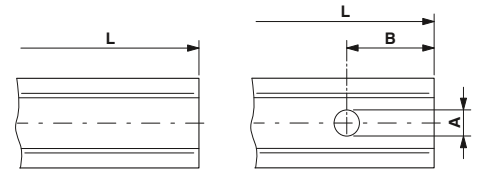
Dimensions		Technical data		
General data	Width	Length	Height	
	35	2000	15	
Material		Aluminum		
Description		Ordering data		
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, supply length: 2 m	Color	Type	Order No.	Pcs./Pkt.
	silver	NS 35/15 AL UNPERF 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	Color	NS 35/15 AL UNPERF/...	1210213	1
	silver			
Slide nut, for DIN rail NS 35/15-AL, for fixing devices, material: steel	M4	GLM 4	1201769	100
	M5	GLM 5	1201772	100
	M6	GLM 6	1201785	100

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 $\varnothing$ 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

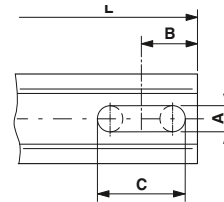


Example configuration for NS 35/7,5 UNPERF/...:

(Minimum order quantity: 20 pcs.)

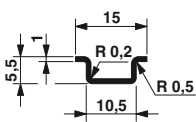
When ordering 20 unperforated NS 35/7,5 DIN rails without end holes with a length of 1750 mm, the following must be specified:

Quantity	Order No.	Length in mm
20		1750

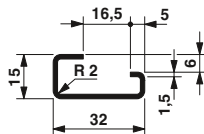


L = length
A = hole diameter [mm]
B = distance between end and hole center [mm]
C = length of elongated hole [mm]
The following dimensions are possible:
Round hole: C = 0
Elongated hole: C = 10, 15, 20 or 25 mm

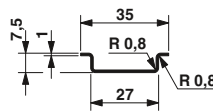
Dimensional drawings for DIN rails



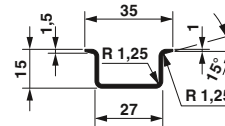
NS 15



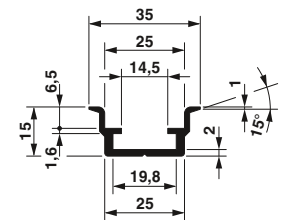
NS 32



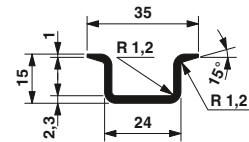
NS 35/7,5



NS 35/15



NS 35/15-AL



NS 35/15-2,3

Installation and mounting material – CABINET add-on

Component mounting

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

Dimensions		Technical data			Technical data		
		Width	Length	Height	Width	Length	Height
General data		5.2	22	22.6	5.15	48.5	35
Material		PA			PA		
Flammability rating in accordance with UL 94		V2			V2		
Ordering data		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	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				CLIPFIX 35-5	3022276	50
Material: V0	gray				CLIPFIX 35-5 V0	3032350	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
	white				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

Dimensions		Technical data			Technical data		
		Width	Length	Height	Width	Length	Height
General data		9.5	50.5	35.3	10	55.5	50
Material		PA			PA		
Tightening torque		- 0.8			-		
Flammability rating in accordance with UL 94		V2			V2		
Ordering data		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	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				E/UK 1	1201413	50

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

Dimensions	
	[mm]
General data	
Material	PA
Tightening torque	[Nm]
Flammability rating in accordance with UL 94	V2
Description	
Color	
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	
End bracket, for screwing onto NS15, 6.1 mm wide, can be fastened with a screw, can be marked with KLM 1	
gray	

Technical data			
Width	Length	Height	
6.2	22	11.4	
Ordering data			
Type	Order No.	Pcs./Pkt.	
E/MBK	1401637	100	

Technical data			
Width	Length	Height	
6.1	21.2	18	
Ordering data			
Type	Order No.	Pcs./Pkt.	
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

Dimensions	
	[mm]
General data	
Material	PA
Tightening torque	[Nm]
Flammability rating in accordance with UL 94	V0
Description	
Color	
End bracket, for screwing onto NS 35, can be equipped with terminal strip marker KLM-A or ZB 8	
gray	
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...	
black	
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	

Technical data			
Width	Length	Height	
9.5	48.6	32.8	
Ordering data			
Type	Order No.	Pcs./Pkt.	
E/NS 35 N	0800886	50	
E/NS 35 N BK	0804271	50	

Technical data			
Width	Length	Height	
10	59	44	
Ordering data			
Type	Order No.	Pcs./Pkt.	
E/AL-NS 35	1201662	10	
E/AL-NS 32	1201659	10	

Installation and mounting material – CABINET add-on

Component mounting

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

Dimensions	
	[mm]
General data	
Material	
Flammability rating in accordance with UL 94	
Temperature range	[°C]
Components	
Description	Color
Terminal strip marker , adjustable height, for CLIPFIX ... end bracket can be marked with SS-ZB Lettering field size: 20 x 8 mm	gray
Terminal strip marker , adjustable height, for CLIPFIX ... end bracket can be marked with EML (20x8) label or with B-STIFT or X-PEN	gray
Can be cut to length	gray

Technical data		
Width	Length	Height
12.5	22	42
PA		
V2		
-40 ... 100		
Halogen-free		
Ordering data		
Type	Order No.	Pcs./Pkt.
KLM 2	0807575	100



For CLIPFIX end brackets,
can be marked with label

Technical data		
Width	Length	Height
10	22	27
PA		
V2		
-40 ... 100		
Halogen-free		
Ordering data		
Type	Order No.	Pcs./Pkt.
KLM 3	0811969	100
KLM 3-L	0814788	100

Marking for terminal strips



For E/MK and E/MBK end brackets

General data	
Material	
Flammability rating in accordance with UL 94	
Temperature range	[°C]
Components	
Description	Color
Terminal strip markers , for E/MK, E/MK 1 and E/MBK end bracket, lettering field: 24 x 4 mm	transparent
Terminal strip markers , for E/UK or CLIPFIX 35 end brackets, lettering field: 25 x 6 mm	transparent
Insert strips for thermal transfer printers, 5000 labels per roll	
1 roll = 5000 markers	white
1 roll = 5000 markers	white

Technical data		
ABS		
HB		
-40 ... 80		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs./Pkt.
KLM 1	1004319	100
Accessories		
EMT (24X4)R	0816265	1



For E/UK and CLIPFIX 35 end brackets

Technical data		
ABS		
HB		
-40 ... 80		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs./Pkt
KLM	1004306	100
Accessories		
EMT (25X6)R	0817264	1

Marking for terminal strips



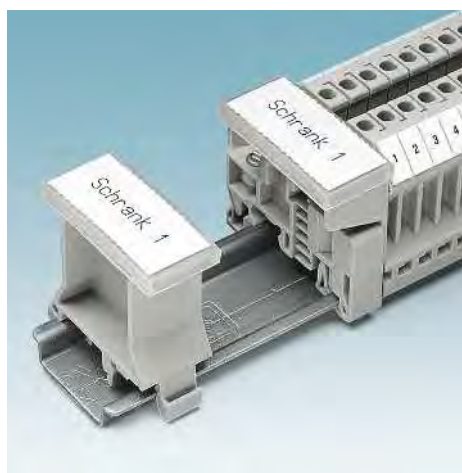
For CLIPFIX end brackets,
can be marked with label



For E/UK, E/NS 35 N,
and CLIPFIX 35 end brackets

General data		Technical data			Technical 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			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		KLM 4	0811970	100		1004348	100
	gray						
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		
Accessories		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			





For mounting on end bracket

General data	
Material	
Flammability rating in accordance with UL 94	
Temperature range	[°C]
Components	

Technical data	
PA	
V2	
-40 ... 100	
Free from silicone and halogen	

Description	Color
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
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

Ordering data		
Type	Order No.	Pcs./Pkt.
UBE	0800310	10

Insert strip for thermal transfer printer , for terminal strip marker UBE/D or UBE	
1 roll = 2300 markers	white
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
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
1 UniSheet = 40 labels, lettering field size: 44 x 7 mm	white

Accessories		
EMT (40X17)R	0817293	1
ESL 40X17	0808095	10
US-EMP (40X17)	0829437	10



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

Installation and mounting material – CABINET add-on

Component mounting

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

Dimensions	
	[mm]
General data	
Material	

Technical data		
Width	Length	Height
19.7	87	35.4
Steel		

Ordering data		
Type	Order No.	Pcs./Pkt.
BG/S	1201086	10
BG/SA	1201604	10

Technical data		
Width	Length	Height
20	84	46
Steel		

Ordering data		
Type	Order No.	Pcs./Pkt.
BG/SH	1201099	10
BG/SHA	1201594	10

Description	Color
Angled bracket, for fixing DIN rails at an angle of 30°, with M6 screw, galvanized and thick layer passivated	
	silver
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

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

Dimensions	
	[mm]
General data	
Material	

Technical data		
Width	Length	Height
20	84	12
Steel		

Ordering data		
Type	Order No.	Pcs./Pkt.
BG/F	1201060	10

Description	Color
Flat bracket, for fixing DIN rails 12 mm above the base, with M6 screw, galvanized and thick layer passivated	
	silver
Flat bracket, is screwed with DIN rails 15 mm above the base, fixing hole: 6.5 mm Ø, galvanized and thick layer passivated	
	silver

Technical data		
Width	Length	Height
20	37	15
Steel		

Ordering data		
Type	Order No.	Pcs./Pkt.
BG/F 1	1201112	10

Universal adapters

- The universal adapters are used to secure and hold electrical or electronic switching devices
- They allow fully insulated mounting of components or DIN rails



For NS 35 and NS 32 DIN rails



For NS 32 DIN rail

Dimensions		Technical data			Technical data		
		Width	Length	Height	Width	Length	Height
		10	42.6	19			
General data							
Material		PA			PA		
Flammability rating in accordance with UL 94		V2			-		
		Ordering data			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

Dimensions		Technical data			Technical data		
		Width	Length	Height	Width	Length	Height
		38	35	21	7	37.5	9
General data							
Material		PA			PP		
Flammability rating in accordance with UL 94		V2			HB		
		Ordering data			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

Component mounting

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



Covering hood, can be sealed



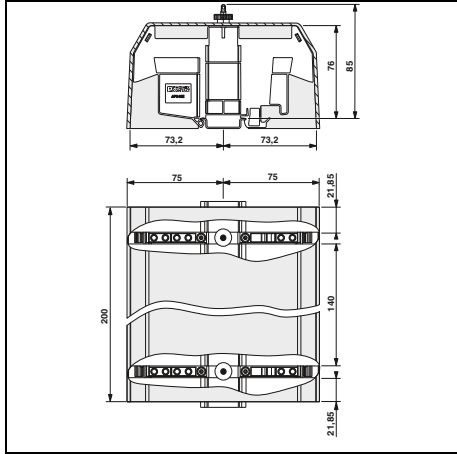
Cover profile

Notes:
¹⁾ Please state the length required in cm when ordering. Accuracy 1 mm.

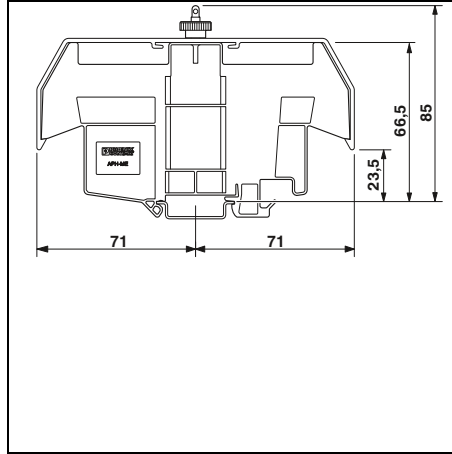
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General data			Technical data			Technical data		
Material			PC			PVC		
Flammability rating in accordance with UL 94			V2			V0		
Temperature range		[°C]	-			-15 ... 65		
Ordering data			Ordering data			Ordering data		
Description	Color		Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Covering hood								
Dimensions: 145 x 150 x 80 mm	transparent		AH-ME	3240265	5			
Dimensions: 115 x 150 x 80 mm	transparent		AH-ME 145X150X80	3240266	5			
Dimensions: 200 x 150 x 78 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 m¹⁾								
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 m¹⁾								
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 specifications¹⁾								
	transparent					A/U CM	5021110	1

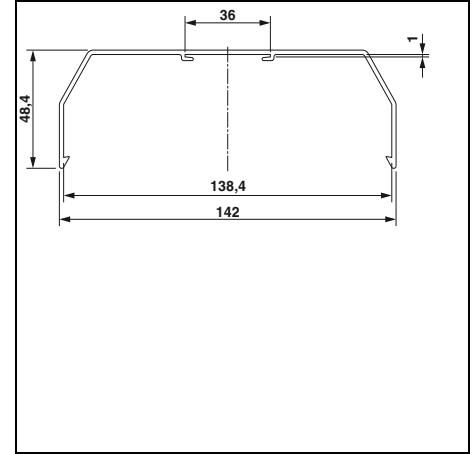
Dimensional drawings



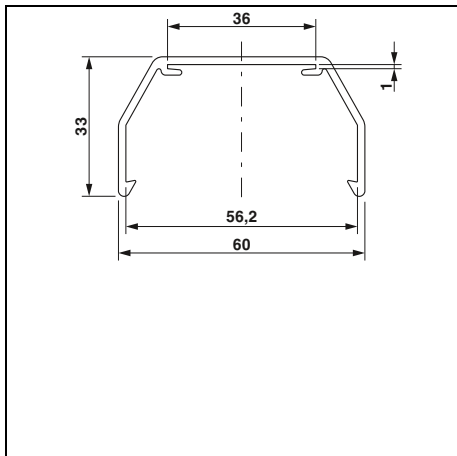
AH-ME



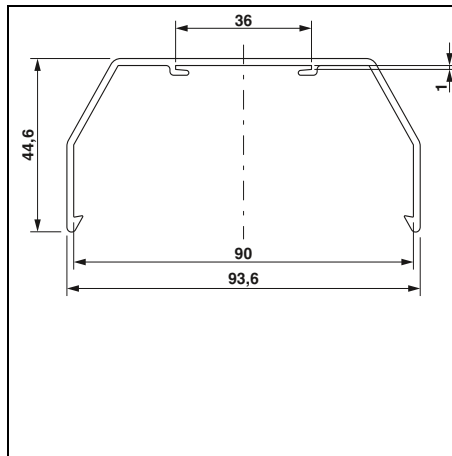
AP-ME



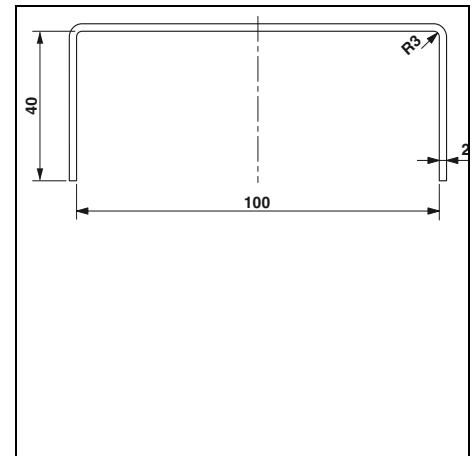
AP-ME CM



AP 2 METER



AP 3 METER



A/U CM

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



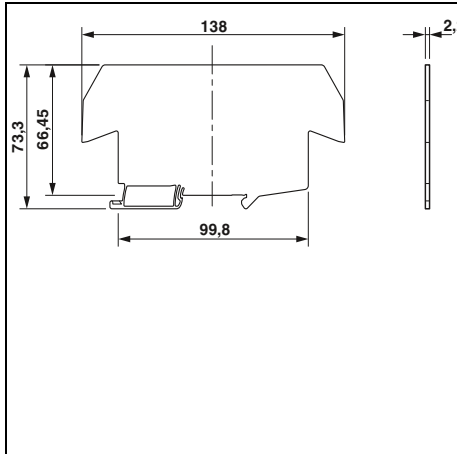
Cover profile carrier



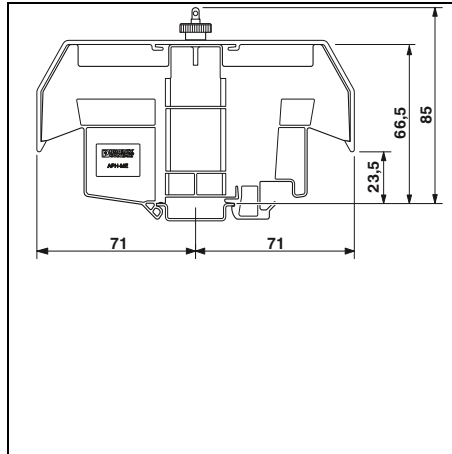
Cover bracket,
for latching in the end bracket

		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		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

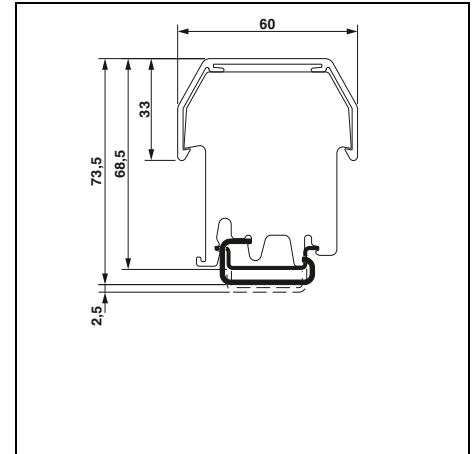
Dimensional drawings



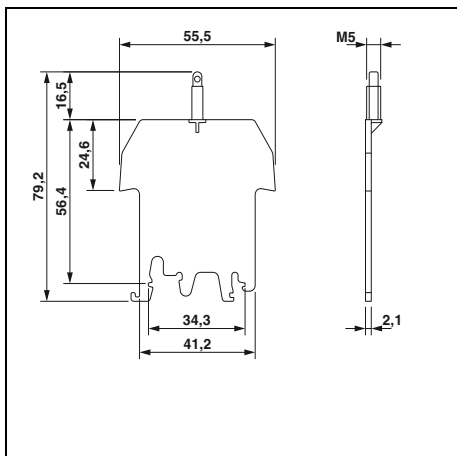
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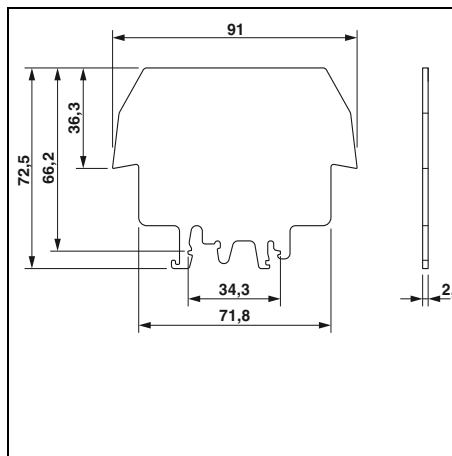
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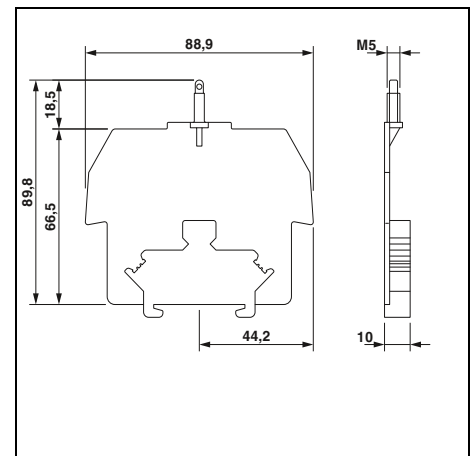
AP 2-TU



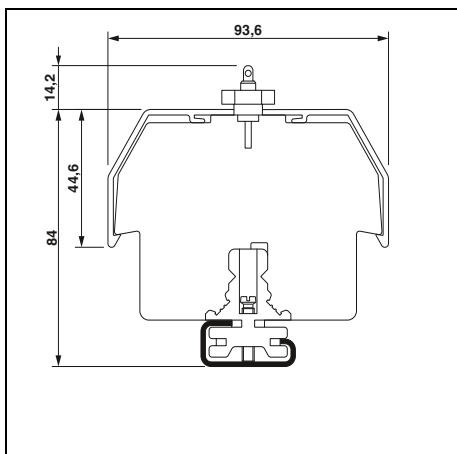
AP 2-TU KS



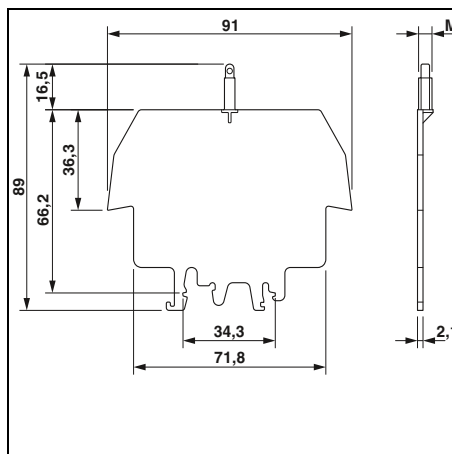
AP 3-TU



AP 3-TNS 35



AP 3-TNS 32



AP 3-TU KS

Component mounting

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

General data		Technical data		
Material		ABS		
Flammability rating in accordance with UL 94		HB		
Temperature range		-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

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

General data		Technical data		
Material		Polycarbonate PC		
Flammability rating in accordance with UL 94		V2		
Temperature range		-40 ... 115		
Components		Free from silicone and halogen		
Description		Ordering data		
		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		APK 1	5022795	10
transparent				
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		APK-HP 2 METER	5022818	2
gray				
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		APK-TU	5022805	10
gray				

Busbars

Neutral busbar



3 x 10 mm



6 x 6 mm

Dimensions	[mm]
General data	
Material	

Description	Color
PEN conductor busbar , 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	
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
	silver

Technical data		
Width	Length	Height
10	1000	3
Copper		

Ordering data		
Type	Order No.	Pcs./Pkt.
NLS-CU 3/10 SN 1000MM	0402174	10

Technical data		
Width	Length	Height
6	1000	6
Copper		

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

Dimensions	[mm]
General data	
Material	
Flammability rating in accordance with UL 94	

Description	Color
Support bracket , insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars	
With two retaining screws	gray
Double support bracket , made from insulation material, can be optionally used for either 3 x 10 mm or 6 x 6 mm neutral busbar	gray
Height 48 mm	gray
Height 36.8 mm	gray
Triple support bracket , made from insulation material	gray

Technical data		
Width	Length	Height
19.4	23.4	21.7
PA		
V0		

Ordering data		
Type	Order No.	Pcs./Pkt.
AB/SS	0404428	10
AB/SS-EX	0404415	10

Technical data		
Width	Length	Height
10	42	48
PA		
V0		

Ordering data		
Type	Order No.	Pcs./Pkt.
AB2/SS	0404431	10
ABN 2/SS	0404460	10
AB3/SS	0800086	10

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

ERC

Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Nominal current / cross section	[A] / [mm ²]
Connection capacity	
1 conductor	[mm ²]
2 conductors (of the same type)	[mm ²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]

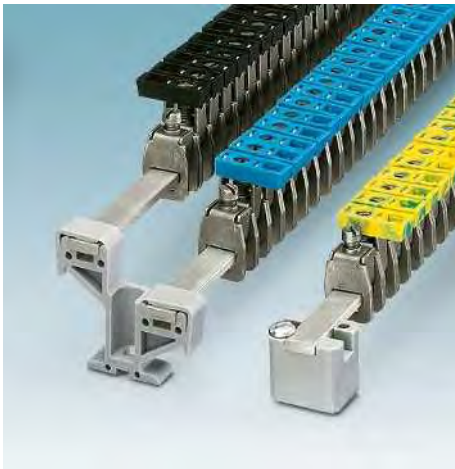
Description	Color
Branch terminal , for connection to copper rails up to 5 mm thick	aluminum color

Technical data				
Width	Length	Height		
12	40	36		
I _{max} [A]	max. Ø [mm ²]	AWG (UL)		
125	0.75 - 35	-		
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
125 / 35	-	-	-	
rigid	flexible	Ferrule		
		without/with plastic sleeve		
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35	
0.75 - 10	0.75 - 10	0.75 - 10	-	

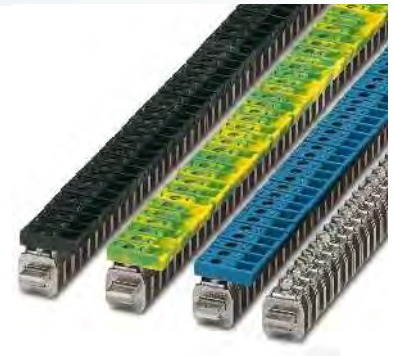
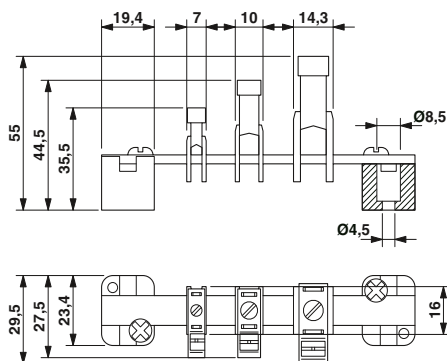
Ordering data			
Type	I _{max}	Order No.	Pcs./Pkt.
AZK 35		0702997	10

Busbars

L/N/PE 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



4 (6) mm², 41 A,
connection terminal blocks



Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm ²]
Rated cross section	[mm ²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm ²]
2 conductors (of the same type)	[mm ²]
2 flexible conductors with TWIN ferrule	[mm ²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Flammability rating in accordance with UL 94	

Technical data			
Width	Length	Height	
7	23.4	24	
I _{max} [A]	U _{max} [V]	max. Ø [mm²]	AWG (UL)
41	300	0.5 - 6	22-12
IEC	UL / CUL	CSA	IEC/ EN 60079-7
300	300	-	-
41 / 4	20 / -	20 / -	-
4	-	-	-
20 - 10	22-12	22-12	-
rigid	flexible	Ferrule	
		without/with plastic sleeve	
0.5 - 6	0.5 - 4	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
-	-	-	0.5 - 2.5
16			
M4			
1.5 - 1.8			
PA			
V2			

Description	Color
Connection terminal block , steel, pushed onto NLS neutral busbar, can be marked with ZB ...	black
Up to 6 mm ² rigid, 7 mm wide	green-yellow blue red green yellow
With Ex approval	black green-yellow blue silver
Without insulating cap	silver
Connection terminal block , steel, pushed onto NLS neutral busbar, can be marked with ZB ...	black
Up to 16 mm ² rigid, 10 mm wide	green-yellow blue gray red green yellow silver
Without insulating cap	silver
Connection terminal block , steel, pushed onto NLS neutral busbar, can be marked with ZB ...	black
Up to 35 mm ² rigid, 14.3 mm wide	green-yellow blue red green yellow silver
Without insulating cap	silver

Ordering data			
Type	I _{max}	Order No.	Pcs./Pkt.
AKG 4 BK		0421032	50
AKG 4 GNYE		0421029	50
AKG 4 BU		0421016	50
AKG 4 RD		3062922	50
AKG 4 GN		3062935	50
AKG 4 YE		3062948	50
AKG 4 BK-EX		0421058	50
AKG 4 GNYE-EX		0421045	50
AKG 4 BU-EX		0421061	50
AK 4		0404017	50



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			

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	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 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

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

Connection terminal blocks and control cabinet sockets

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.



Dimensions		Technical data			
	[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			
Description		Ordering data			
	Color	Type	Order No.	Pcs./Pkt.	
Europe connector, 12-pos., with wire protection	transparent	EC 2,5 P TR	3240167	10	



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

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.

ERC

Technical data

Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm ²]
Rated cross section	[mm ²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm ²]
2 conductors (of the same type)	[mm ²]
2 flexible conductors with TWIN ferrule	[mm ²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	

Width 16.6	Length 94.9	Height 13	
I _{max.} [A]	U _{max.} [V]	max. Ø [mm ²]	AWG (UL)
32	450	0.5 - 4	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	-	-	-
32 / 4	-	-	-
4	-	-	-
20 - 12	-	-	-
rigid	flexible	Ferrule without/with plastic sleeve	
0.5 - 4	0.5 - 4	0.75 - 2.5	0.75 - 2.5
0.5 - 1	- 1	-	-
-	-	-	0.5
5			
M2,6			
0.4 - 0.5			
PP			

Ordering data

Description	Color
Europe connector, 12-pos.	white
	black
	transparent

Type	Order No.	Pcs./Pkt.
EC 4	3240168	10
EC 4 BK	3240169	10
EC 4 TR	3240170	10

ERC

Technical data

Width	Length	Height	
18.9	116.5	14.9	
I _{max.} [A]	U _{max.} [V]	max. Ø [mm ²]	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



10 (10) mm², 57 A, 12-pos.



16 (16) mm², 76 A, 12-pos.



25 (25) mm², 101 A, 12-pos.

ERC

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	

ERC

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	

ERC

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	

Junction box connectors



- 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



2.5 (2.5) mm², 24 A, 3-pos.

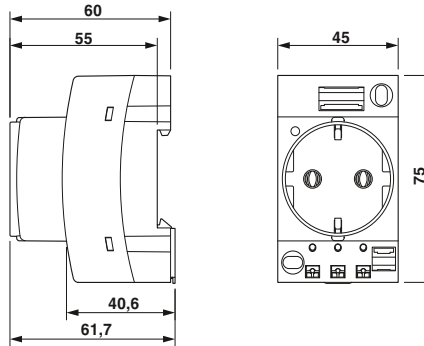


Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm ²]
Rated cross section	[mm ²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm ²]
General data	
Stripping length	[mm]
Insulating material	
Flammability rating in accordance with UL 94	

Technical data			
Width	Length	Height	
17.2	15.6	8.9	
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
24	450	0.5 - 2.5	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	600	-	-
24 / 2.5	12	-	-
2.5	-	-	-
20 - 14	20-16	-	-
rigid	flexible	Ferrule without/with plastic sleeve	
0.5 - 2.5	-	0 - 0	-
8			
PC/PA			
V2			

Description	Color
Plug-in terminal block, 3-pos.	transparent
5-pos., width: 26 mm	transparent
8-pos., width: 39.2 mm	transparent

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

Nominal voltage
Max. continuous current
General data
Dimensions
Connection data rigid / flexible / AWG
Degree of protection
Insulation material
Ambient temperature range
Standards/regulations
Flammability rating in accordance with UL 94

250 V AC (50 Hz)
16 A
EO-...
EO-...DUO...
45 mm / 75 mm / 60 mm
90 mm / 75 mm / 60 mm
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12
IP20
PA
-20°C ... 60°C
VDE 0620-1
V0

Description

Socket for the DIN rail, Push-in connection

Standard, gray
Standard, green
Standard, yellow
LED display, gray
LED display, green
LED display, yellow
LED display and fuse 5 x 20 mm, 6.3 A, gray
Circuit breaker 15 A, gray
LED display and fuse 5 x 20 mm, 6.3 A, green

Switch, gray
Switch, LED display, gray
Fuse 5 x 20 mm, 6.3 A, gray
Fuse 5 x 20 mm, 6.3 A, green
Double socket, LED display, gray
Double socket, LED display, green

Socket for the DIN rail, screw connection

Standard, gray
Standard, green
Standard, yellow
LED display, gray
LED display, green
LED display, yellow
LED display and fuse 5 x 20 mm, 6.3 A, gray

Circuit breaker 15 A, gray
Circuit breaker 20 A, gray
LED display and fuse 5 x 20 mm, 6.3 A, green

LED display, yellow
Switch, gray
Switch, LED display, gray
Fuse 5 x 20 mm, 6.3 A, gray
Fuse 5 x 20 mm, 6.3 A, green
Double socket, LED display, gray
Double socket, LED display, green

Technical data

Ordering data

Type	Order No.	Pcs./Pkt.
EO-CF/PT	0804038	5
EO-CF/PT/GN	0804039	5
EO-CF/PT/YE	1068067	5
EO-CF/PT/LED	0804040	5
EO-CF/PT/LED/GN	0804041	5
EO-CF/PT/LED/YE	1068075	5
EO-CF/PT/LED/F	0804042	5
EO-CF/PT/LED/F/GN	0804043	5
EO-CF/PT/S	0804045	5
EO-CF/PT/LED/S	0804046	5
EO-CF/PT/F	0804047	5
EO-CF/PT/F/GN	0804048	5
EO-CF/PT/LED/DUO	0804049	2
EO-CF/PT/LED/DUO/GN	0804050	2
EO-CF/UT	0804024	5
EO-CF/UT/GN	0804025	5
EO-CF/UT/YE	1068038	5
EO-CF/UT/LED	0804026	5
EO-CF/UT/LED/GN	0804027	5
EO-CF/UT/LED/YE	1068028	5
EO-CF/UT/LED/F	0804029	5
EO-CF/UT/LED/F/GN	0804030	5
EO-CF/UT/LED/F/YE	1068030	5
EO-CF/UT/S	0804032	5
EO-CF/UT/LED/S	0804033	5
EO-CF/UT/F	0804034	5
EO-CF/UT/F/GN	0804035	5
EO-CF/UT/LED/DUO	0804036	2
EO-CF/UT/LED/DUO/GN	0804037	2

Notes:

For accessories, refer to page: 566.



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 mm ² / 0.2 - 2.5 mm ² / 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 mm ² / 0.2 - 2.5 mm ² / 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 mm ² / 0.2 - 2.5 mm ² / 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



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 mm ² / 0.2 - 2.5 mm ² / 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



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

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-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

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

Accessories

UC-TMF 8	0818137	10
UC-TMF 16	0819262	10
ZBF 8:UNBEDRUCKT	0808781	10
ZBF 16:UNPRINTED	0827464	10

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

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		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		UC-TMF 8	0818137	10
white				
UniCard, for terminal blocks with a flat marker groove, 32-section, 4 individual labels per strip, for a terminal block width of 16 mm		UC-TMF 16	0819262	10
white				
Zack marker strip, flat, 10-section, without color print		ZBF 8:UNBEDRUCKT	0808781	10
white				
Zack marker strip, flat, 5-section, without color print		ZBF 16:UNPRINTED	0827464	10
white				



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 mm ² / 0.2 - 2.5 mm ² / 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 mm ² / 0.2 - 2.5 mm ² / 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 mm ² / 0.2 - 2.5 mm ² / 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

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

ERC

Ordering data

Description	Color
Shield connection clamp , for applying the shield to busbars, contact resistance < 1 mΩ	
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
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

Type	Order No.	Pcs./Pkt.
SK 5	3025338	10
SK 8	3025163	10
SK 14	3025176	10
SK 20	3025189	10
SK 28	3026997	10
SK 35	3026463	10

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
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ERC

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

ERC

Ordering data		
Type	Order No.	Pcs./Pkt.
SKS 8	3240210	10
SKS 14	3240211	10
SKS 20	3240212	10
SKS 8-D	3240213	10
SKS 14-D	3240214	10
SKS 20-D	3240215	10
SKS 32-D	3062906	10
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10

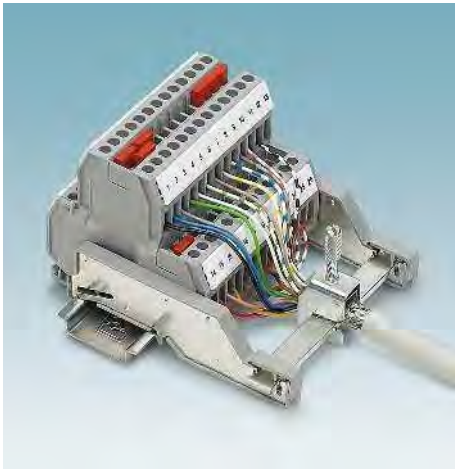
ERC

Ordering data		
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
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10

Description	Color
Shield connection clamp , for applying the shield to busbars, contact resistance < 1 mΩ	
Ø 3-8 mm	silver
Ø 3-14 mm	silver
Ø 5-20 mm	silver
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
Ø 3-14 mm	silver
Ø 5-20 mm	silver
Ø 5-32 mm	silver
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
PEN conductor busbar , 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	

Shielding

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

Dimensions	[mm]
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General data
Material

Description	Color
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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

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

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

PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A

silver

Lateral groove marking

Technical data

Width	Length	Height
5.2	102.4	

PA

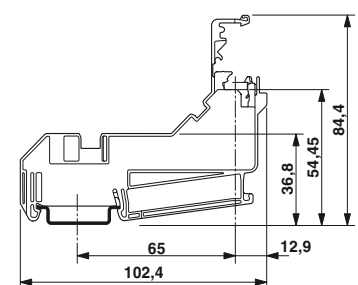
Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK TOP	3062090	10
AB-SK TOP INSULATED	3062074	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10
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UC-TM 5, UCT-TM 5 or ZB 5
UC-TMF 5, UCT-TMF 5 or ZBF 5



AB-SK TOP



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

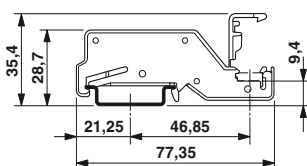
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10

Technical data		
Width	Length	Height
9.5	97.8	
PA		

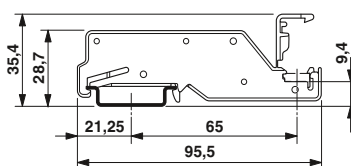
Ordering data		
Type	Order No.	Pcs./Pkt.

AB-SKS 60	3240223	10

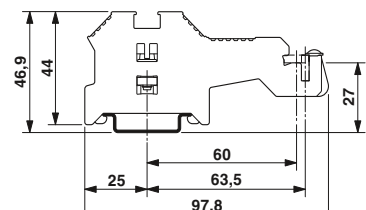
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK



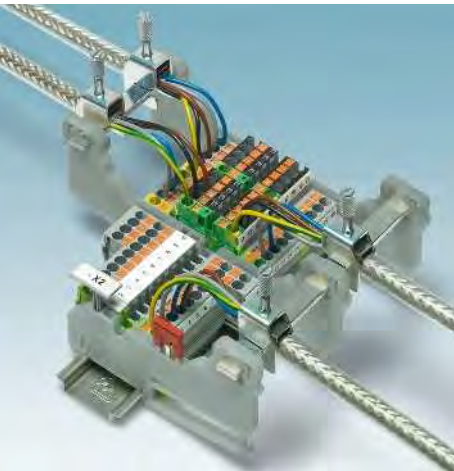
AB-SK 65



AB-SKS 60

Shielding

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

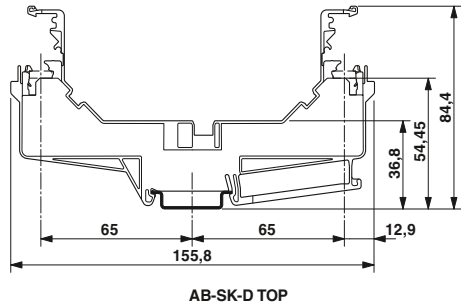
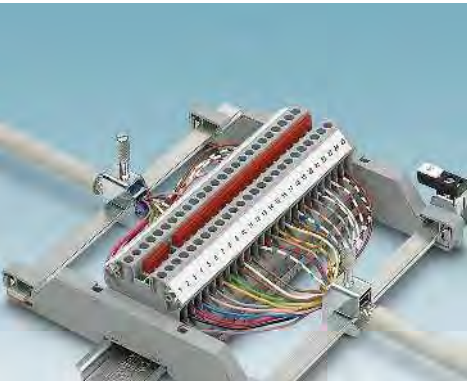
- The double shield support frames are particularly well suited to space-saving conductor connections for terminal blocks and devices with cable entry at the side
- Available in two lengths
- For mounting SK shield connection clamps

Dimensions	
	[mm]
General data	
Material	
Description	Color
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
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
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver
Lateral groove marking	



Double support bracket, tall, for SK and SKS shield connection clamps

Technical data		
Width	Length	Height
5.2	155.8	
PA		
Ordering data		
Type	Order No.	Pcs./Pkt.
AB-SK-D TOP	3062100	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		





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
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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
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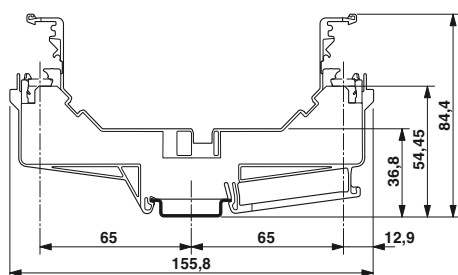
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10

Technical data		
Width	Length	Height
8.2	150	
PA		

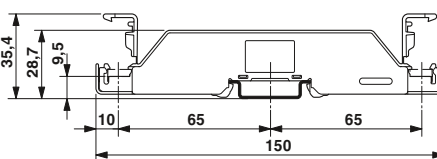
Ordering data		
Type	Order No.	Pcs./Pkt.

AB-SK 65-D INSULATED	3040889	10
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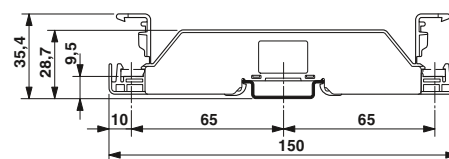
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK-D TOP INSULATED



AB-SK 65-D



AB-SK 65-D INSULATED

Shielding

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

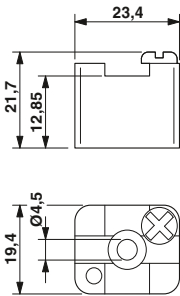


Support bracket
for SK and SKS shield connection clamps

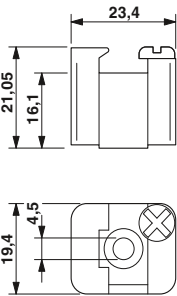
General data	
Material	PA
Description	Color
Support bracket, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars	gray
Support bracket, with contact to the mounting plate, with retaining screw, for 3 x 10 mm busbars	gray
Support bracket, insulated, for 3 x 10 mm or 6 x 6 mm busbars	gray
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver

Technical data		
Ordering data		
Type	Order No.	Pcs./Pkt.
AB/SS	0404428	10
AB/SS-M	3025888	10
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10

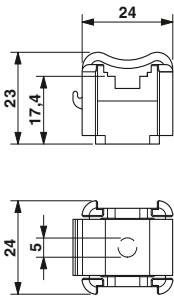
Technical data		
Ordering data		
Type	Order No.	Pcs./Pkt.
AB/SKS	3240224	10
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10



AB/SS



AB/SS-M



AB/SKS

Multi-level support bracket for direct mounting



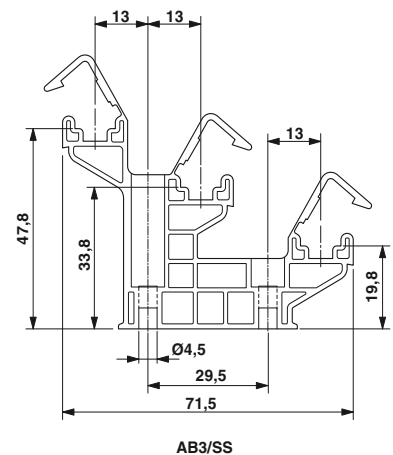
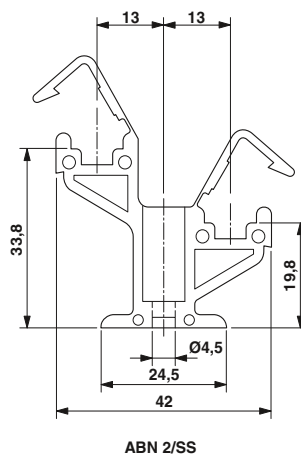
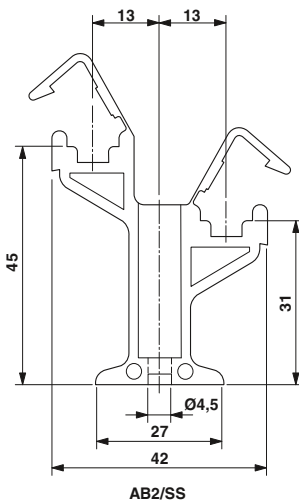
- Double and triple support frames for different busbars
- Type allows for an extremely compact design using large amounts of wiring, e.g., for multi-level front connection terminal blocks
- Support frames are isolated
- Direct mounting



Support bracket, multi-level, insulated

General data	
Material	
Description	Color
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
PEN conductor busbar , 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	
	silver
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

Technical data		
PA		
Ordering data		
Type	Order No.	Pcs./Pkt.
AB2/SS	0404431	10
ABN 2/SS	0404460	10
AB3/SS	0800086	10
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10
NLS-CU 6/6 SN 1000MM	0402161	10



Shielding

Support bracket frame
for direct and DIN rail mounting

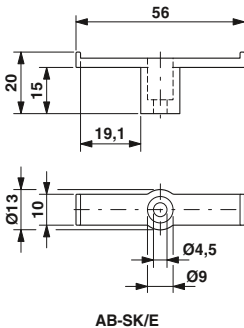
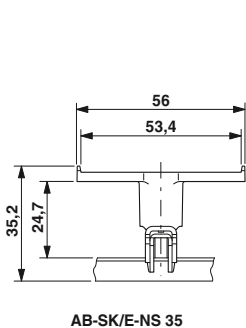


- T-shaped support frames for space-saving direct mounting and free positioning on the mounting plate
- Suitable for SK 5 to SK 14, SKS 8, and SKS 14 shield connection clamps
- Version for NS 35 DIN rail mounting



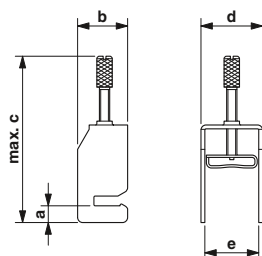
Support bracket

General data		Technical data		
Material		Aluminum		
Description		Ordering data		
Color		Type	Order No.	Pcs./Pkt.
Support bracket , for direct mounting with contacting on the mounting surface		AB-SK/E	3026476	10
Support bracket frame , for mounting on NS 35 DIN rails		AB-SK/E-NS 35	3213111	10

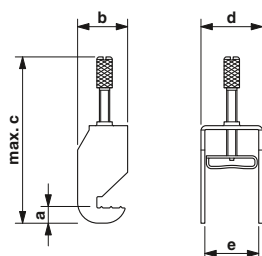


SK shield connection clamps

Terminal block	Dimensions [mm]				
	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



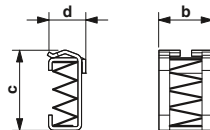
SK ...



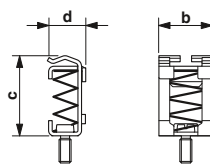
SK ...-D

SKS shield connection clamps

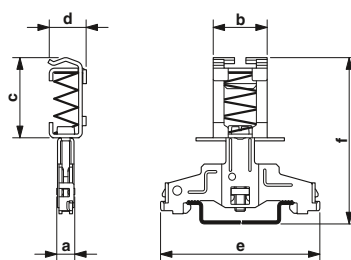
Terminal block	Dimensions [mm]					
	a	b	c	d	e	f
SKS 8	—	18	26	12.4	—	—
SKS 14	—	21	32	19	—	—
SKS 20	—	27	40.5	24.7	—	—
SKS 8-D	—	18	26	12.4	—	—
SKS 14-D	—	21	32	19	—	—
SKS 20-D	—	27	40.5	24.7	—	—
SKS 8-NS35	6	18	26	12.4	52	54
SKS 14-NS35	6	21	32	19	52	60
SKS 20-NS35	6	27	40.5	24.7	52	68.4



SKS ...



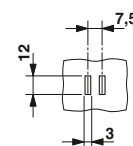
SKS ...-D



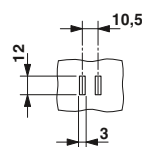
SKS ...-NS35

Drilling and punching patterns for SK ...-D

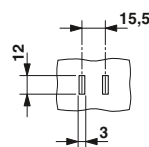
Punching template



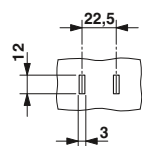
SK 5-D



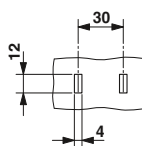
SK 8-D



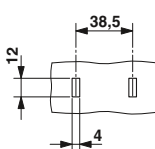
SK 14-D



SK 20-D

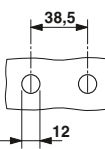
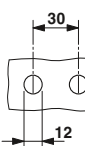
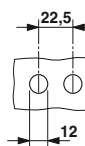
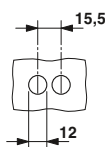
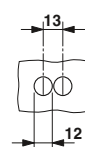
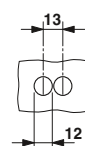


SK 28-D



SK 35-D

Drilling diagram

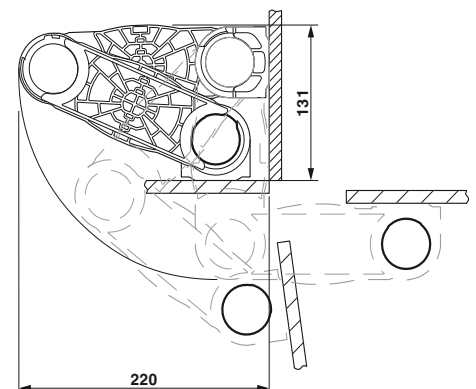
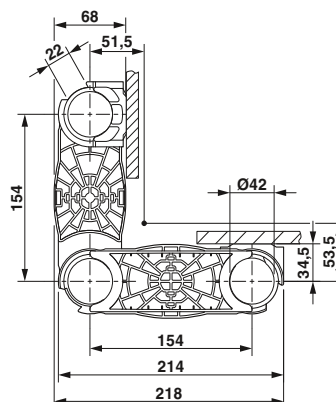




- Subsequent wiring can be performed quickly and easily via the rotating blisters which can be operated without tools
- Cable routing for the control cabinet door can be planned with the CAD system using the defined installation space and swivel range
- Quick and easy mounting, thanks to integrated flanges with strain relief
- Mechanical cable protection and bundling, thanks to covering hoods that can be attached without tools
- Secure with M5 tapping screws



Accessories		
CGS-AH 50 SET	3071410	1



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

General data
Material
Components
Flammability rating in accordance with UL 94
Temperature range

PC/ABS
Halogen-free
V0
-40 ... 90

Ordering data

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

Type	Order No.	Pcs./Pkt.
CD-HF 25X25	3240340	25
CD-HF 25X40	3240341	24
CD-HF 25X60	3240342	15
CD-HF 25X80	3240343	10
CD-HF 30X40	3240344	20
CD-HF 30X60	3240345	24
CD-HF 30X80	3240346	12
CD-HF 30X100	3240347	12
CD-HF 40X40	3240348	25
CD-HF 40X60	3240349	20
CD-HF 40X80	3240350	10
CD-HF 40X100	3240351	10
CD-HF 60X40	3240352	20
CD-HF 60X60	3240353	12
CD-HF 60X80	3240354	10
CD-HF 60X100	3240355	8
CD-HF 80X25	3240356	12
CD-HF 80X40	3240357	15
CD-HF 80X60	3240358	10
CD-HF 80X80	3240359	6
CD-HF 80X100	3240360	8
CD-HF 100X40	3240361	10
CD-HF 100X60	3240362	8
CD-HF 100X80	3240363	6
CD-HF 100X100	3240364	6
CD-HF 120X60	3240365	6
CD-HF 120X80	3240366	4

Accessories

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

	Order No.	Pcs./Pkt.
RVT-PA 4	3240498	100
RVT-PA 6	3240499	100
UNIFOX-RVT P 4	1212478	1
UNIFOX-RVT P 6	1212509	1



Technical data

PC/ABS
Halogen-free
V0
-40 ... 90

Ordering data

Type	Order No.	Pcs./Pkt.
------	-----------	-----------

CD 25X25 BU	3240301	25
CD-HF 25X40 BU	3240583	24
CD-HF 25X60 BU	3240584	15
CD-HF 25X80 BU	3240585	10
CD-HF 30X100 BU	3240589	12
CD-HF 40X40 BU	3240590	25
CD-HF 40X80 BU	3240592	10
CD-HF 40X100 BU	3240593	10
CD-HF 60X40 BU	3240594	20
CD-HF 60X60 BU	3240595	12
CD-HF 60X80 BU	3240596	10
CD-HF 60X100 BU	3240597	8
CD-HF 80X40 BU	3240599	15
CD-HF 80X60 BU	3240600	10
CD-HF 80X80 BU	3240601	6
CD-HF 80X100 BU	3240602	8
CD-HF 100X80 BU	3240605	6
CD-HF 100X100 BU	3240606	6
CD-HF 120X80 BU	3240608	4

Accessories

	Order No.	Pcs./Pkt.
RVT-PA 4	3240498	100
RVT-PA 6	3240499	100
UNIFOX-RVT P 4	1212478	1
UNIFOX-RVT P 6	1212509	1



- 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

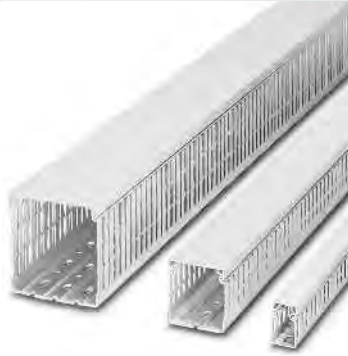
6 mm diameter, material thickness of 2 ... 8 mm

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



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

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

Technical data		
PVC		
V0		
-5 ... 60		

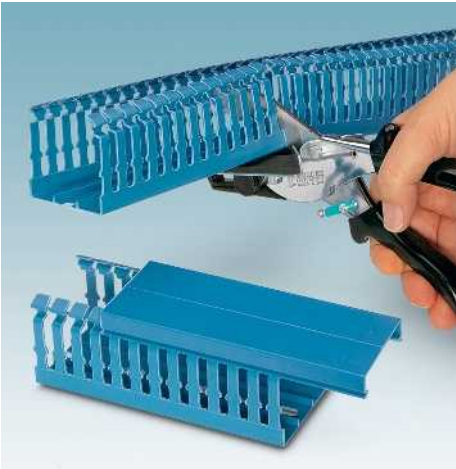
Ordering data		
Type	Order No.	Pcs./Pkt.
CD 25X25 BU	3240301	25
CD 25X40 BU	3240302	24
CD 25X60 BU	3240303	15
CD 25X80 BU	3240304	10
CD 30X40 BU	3240305	20
CD 30X60 BU	3240306	24
CD 30X80 BU	3240307	12
CD 30X100 BU	3240308	12
CD 40X40 BU	3240309	25
CD 40X60 BU	3240310	20
CD 40X80 BU	3240311	10
CD 40X100 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 80X60 BU	3240319	10
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

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

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

Cable duct cutters



- 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



Cable duct cutter

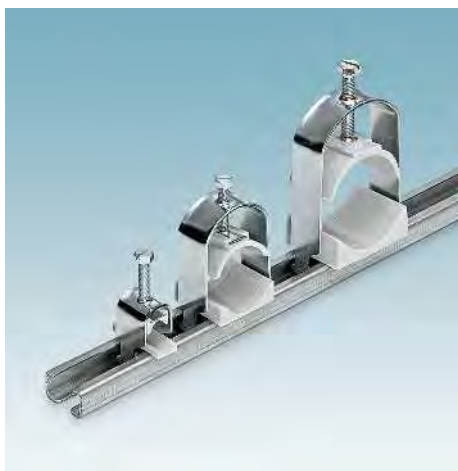
ERC

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



Cable clamps and DIN rail



- 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



Cable clamps for a cable diameter of 6 - 64 mm

General data

Material

Description

Cable clamp, for DIN rail

For cable diameters of 6 – 14 mm
 For cable diameters of 12 – 18 mm
 For cable diameters of 18 – 22 mm
 For cable diameters of 22 – 26 mm
 For cable diameters of 26 – 30 mm
 For cable diameters of 30 – 34 mm
 For cable diameters of 34 – 38 mm
 For cable diameters of 38 – 42 mm
 For cable diameters of 42 – 56 mm
 For cable diameters of 56 – 64 mm

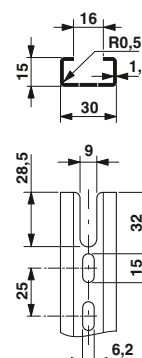
DIN rails, for cable clamps

Technical data

Steel

Ordering data

Type	Order No.	Pcs./Pkt.
WCC 14	3240252	25
WCC 18	3240253	25
WCC 22	3240254	25
WCC 26	3240255	25
WCC 30	3240256	25
WCC 34	3240257	25
WCC 38	3240258	25
WCC 42	3240259	25
WCC 56	3240260	25
WCC 64	3240261	25
NS 30/15 PERF.2000MM	3240262	5



NS 30/15 PERF. 2000MM DIN rail

Installation and mounting material – CABINET add-on

Cable routing, cable protection, cable bundling

Protective hoses made of plastic



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



Notes:
Pcs./Pkt. indicates the protective hose length in [m].



Slotted, outside diameter of 21.2 - 42.5 mm



General data
Material
Components
Flammability rating in accordance with UL 94
Temperature range

Technical data
PA
Free from silicone, halogen, and cadmium
V0
-40 ... 105

Description	Color
-------------	-------

Protective hose, slotted, for retrofitting

Diameter [mm]	Bending radius [mm]	
Outside/inside	static	
21.2 / 16.5	40	black
28.5 / 23	45	black
34.5 / 29	55	black
42.5 / 36	65	black

Protective hose		
Diameter [mm]	Bending radius [mm]	
Outside/inside	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]	Bending radius [mm]	
Outside/inside	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

Ordering data

Type	Order No.	Pcs./Pkt.
WP-PA HF-SL 21,2 BK	3240845	10
WP-PA HF-SL 28,5 BK	3240846	10
WP-PA HF-SL 34,5 BK	3240847	10
WP-PA HF-SL 42,5 BK	3240848	10



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		

Technical data		
PA		
Free from silicone, halogen, and cadmium		
HB		
-40 ... 105		

Technical data		
TPE		
Halogen-free		
HB		
-40 ... 120		

Ordering data		
Type	Order No.	Pcs./Pkt.

Ordering data		
Type	Order No.	Pcs./Pkt.

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

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

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

Cable routing, cable protection, cable bundling

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



General data

Material	
Components	
Degree of protection	
Thread type	
Flammability rating in accordance with UL 94	
Temperature range	[°C]

Technical data

PA
Free from silicone, halogen, and cadmium
IP66
Pg
V0
-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			

Counter nuts and seals

Accessories

see page 604 onwards



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

Technical data
PA
Free from silicone, halogen, and cadmium
IP68/IP69K
Pg
V0
-40 ... 115

Technical data
PA
Free from silicone, halogen, and cadmium
IP68/IP69K
metric
V0
-40 ... 115

Ordering data		
Type	Order No.	Pcs./Pkt.

Ordering data		
Type	Order No.	Pcs./Pkt.

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

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

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

Accessories
see page 604 onwards

Accessories
see page 604 onwards

Cable routing, cable protection, cable bundling

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

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	-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



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

Technical data
PA
Free from silicone, halogen, and cadmium
IP68/IP69K
Pg
HB
-40 ... 115

Technical data
PA
Free from silicone, halogen, and cadmium
IP68/IP69K
metric
HB
-40 ... 115

Ordering data		
Type	Order No.	Pcs./Pkt.

Ordering data		
Type	Order No.	Pcs./Pkt.

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

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

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

Accessories
see page 604 onwards

Accessories
see page 604 onwards

Cable routing, cable protection, cable bundling

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

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	-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



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

Technical data
PA
Free from silicone, halogen, and cadmium
IP68/IP69K
Pg
V0
-40 ... 115

Technical data
PA
Free from silicone, halogen, and cadmium
IP68/IP69K
metric
V0
-40 ... 115

Ordering data		
Type	Order No.	Pcs./Pkt.

Ordering data		
Type	Order No.	Pcs./Pkt.

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

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

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

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Accessories
see page 604 onwards

Accessories
see page 604 onwards

Accessories
see page 604 onwards

Installation and mounting material – CABINET add-on

Cable routing, cable protection, cable bundling

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



General data	
Material	PVC
Components	Free from silicone and cadmium
Flammability rating in accordance with UL 94	-
Temperature range	-25 ... 80 [°C]

Technical data

PVC
Free from silicone and cadmium
-
-25 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Protective hose, PVC-coated spiral				
Diameter [mm]	Bending radius [mm]			
Outside/inside	static			
10 / 7	8	gray	WP-SPIRAL PVC C 10	10
14 / 10	10	gray	WP-SPIRAL PVC C 14	10
17 / 13	13	gray	WP-SPIRAL PVC C 17	10
21 / 16	17	gray	WP-SPIRAL PVC C 21	10
27 / 22	20	gray	WP-SPIRAL PVC C 27	10
36 / 29	24	gray	WP-SPIRAL PVC C 36	10
45 / 38	36	gray	WP-SPIRAL PVC C 45	10
Protective hose, PU-coated spiral				
Diameter [mm]	Bending radius [mm]			
Outside/inside	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]	Cable diameter [mm]			
Outside/inside				
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		



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

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

Technical data
PP Halogen-free HB -10 ... 110

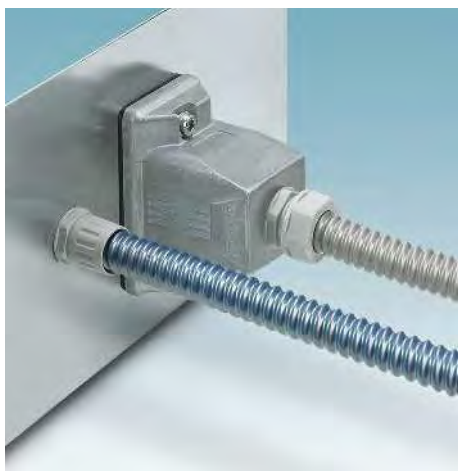
Ordering data		
Type	Order No.	Pcs./Pkt.

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

Installation and mounting material – CABINET add-on

Cable routing, cable protection, cable bundling

Screw connections, for protective hoses with coated spirals



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



IP65 degree of protection,
Pg7 - Pg36 thread



General data

Material	PP
Degree of protection	IP65
Thread type	Pg
Components	Halogen-free
Flammability rating in accordance with UL 94	HB
Temperature range	-10 ... 110 [°C]

Technical data

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



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

Technical data
PP
IP54
Pg
Halogen-free
HB
-10 ... 110

Technical data
PP
IP54
metric
Halogen-free
HB
-10 ... 110

Ordering data		
Type	Order No.	Pcs./Pkt.

Ordering data		
Type	Order No.	Pcs./Pkt.

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

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

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

Accessories
see page 604 onwards

Accessories
see page 604 onwards

Cable routing, cable protection, cable bundling

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



General data

Material	Steel, galvanized
Temperature range	-200 ... 220 [°C]

Technical data

Steel, galvanized
-200 ... 220

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Protective hose				
Diameter [mm]	Bending radius [mm]			
Outside/inside	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]	Bending radius [mm]			
Outside/inside	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		



**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

Installation and mounting material – CABINET add-on

Cable routing, cable protection, cable bundling

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	-40 ... 125 [°C]

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	10
14 / 8.5	10	brass	WP-G BRASS IP40 PG9	10
17 / 11.5	12.5	brass	WP-G BRASS IP40 PG11	10
21 / 15.5	16	brass	WP-G BRASS IP40 PG16	10
27 / 20.5	21.5	brass	WP-G BRASS IP40 PG21	10
36 / 27.5	29	brass	WP-G BRASS IP40 PG29	2
45 / 36.5	38	brass	WP-G BRASS IP40 PG36	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		



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

Technical data
Brass IP40 Pg -40 ... 250

Technical data
Brass IP40 metric -40 ... 250

Ordering data		
Type	Order No.	Pcs./Pkt.

Ordering data		
Type	Order No.	Pcs./Pkt.

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

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

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

Cable routing, cable protection, cable bundling

- Optimum protection
- Numerous possible applications
- Tool-free assembly of screw connection and protective hose
- Screw connection for high resistance

Inner sleeves and seals are supplied as standard.



**IP65 degree of protection,
Pg7 - Pg36 thread and M10 - M40 metric thread**



General data		Technical 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./Pkg
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			
14	8.5	brass			
17	11.5	brass			
21	15.5	brass			
27	20.5	brass			
36	27.5	brass			
45	35	brass			
Screw connection, IP65, with metric thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	6	brass			
14	8.5	brass			
17	11.5	brass			
21	15.5	brass			
27	20.5	brass			
36	27.5	brass			
45	35	brass			

[illegible]

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

General data

Material	
Components	
Flammability rating in accordance with UL 94	
Temperature range	[°C]

Technical data

PE
Free from silicone and halogen
HB
-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

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

Accessories

CUTFOX-ES	1212621	1
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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



General data			PA		
Material			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			



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		
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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		
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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		
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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



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



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

Installation and mounting material – CABINET add-on

Cable routing, cable protection, cable bundling

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

General data	
Material	
Temperature range	[°C]
Components	

Description	Color
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
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

Insert strips for laser printers, DIN A4, perforated	
1 sheet = 174 labels	
1 sheet = 56 labels	
1 sheet = 488 labels	
Roll, insert labels, can be marked with thermal transfer printer	
1 roll = 5400 markers	
1 roll = 2300 markers	
1 roll = 5000 markers	
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	
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	



Technical data		
Polyethylene		
-40 ... 80		
Free from silicone and halogen		

Ordering data		
Type	Order No.	Pcs./Pkt.
KMK	1005208	100

Accessories		
ESL 29X8	0808257	10
EMT (29X8)R	0817277	1
US-EMP (29X8)	0829436	10
TMP-US-MAG1	0803341	1



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
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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
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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

Cable routing, cable protection, cable bundling

Plastic cable markers for insert labels, for assembly with cable ties



- 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

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

General data

Material	
Flammability rating in accordance with UL 94	
Temperature range	[°C]
Components	

Description

Cable marker carrier for cable tie assembly	transparent
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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

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

Magazine for THERMOMARK CARD and THERMOMARK PRIME for accommodating UCT-EMP ...

Technical data

PC (polycarbonate)
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (25X6)	0830720	100

Accessories

UCT-EMP (25X6)	1014117	10
EMT (25X6)R	0817264	1
TMP-UCT-MAG26	0803370	1





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

Cable routing, cable protection, cable bundling

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

General data
Material
Flammability rating in accordance with UL 94
Temperature range
Components

Technical data
PA
HB
-40 ... 100
Halogen-free

Description	Color
Cable marker carrier for cable tie assembly	transparent

Ordering data		
Type	Order No.	Pcs./Pkt.
KMK UV (25X6)	1014106	100

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

Accessories		
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
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US-EMP (25X6)-1	0802754	10
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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
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Cable tie , halogen-free, flammability rating in accordance with UL 94: V2, maximum bundle Ø [mm] / min. tensile strength [N]¹)
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WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100

35 / 130
50 / 220
79 / 220

Magazine for THERMOMARK CARD and THERMOMARK PRIME
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TMP-UCT-MAG26	0803370	1
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for accommodating UCT-EMP ...

Magazine for THERMOMARK CARD...,

THERMOMARK CARD-US-MAG1	5146451	1
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for accommodating all US materials

Magazine for THERMOMARK CARD and THERMOMARK PRIME
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TMP-US-MAG1	0803341	1
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for accommodating all US materials



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



- 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

General data

Material	
Components	
Flammability rating in accordance with UL 94	
Temperature range	[°C]



Technical data

PA 6.6
Free from silicone and halogen
V2
-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	3240778	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

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

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

Accessories

UNIFOX-CT 4,8	1212475	1
UNIFOX-CT 4,8P	1212609	1



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



General data

Material	
Components	
Flammability rating in accordance with UL 94	
Temperature range	[°C]

Technical data

PA 6.6
Free from silicone and halogen
V2
-40 ... 85

Ordering data

Description	Color
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Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]

21 / 80	black
40 / 80	black
52 / 80	black
35 / 130	black
50 / 130	black
80 / 130	black
40 / 220	black
50 / 220	black
79 / 220	black
100 / 220	black
115 / 220	black
80 / 540	black
100 / 540	black
158 / 540	black
233 / 700	black
143 / 1080	black
302 / 1080	black

Cable tie, large pack, maximum bundle Ø [mm]/minimum tensile strength [N]

21 / 80	black
40 / 80	black
52 / 80	black
35 / 130	black
50 / 130	black
80 / 130	black
40 / 220	black
50 / 220	black

Type	Order No.	Pcs./Pkt.
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WT-HF 2,5X98 BK	3240733	100
WT-HF 2,6X160 BK	3240737	100
WT-HF 2,6X200 BK	3240741	100
WT-HF 3,6X140 BK	3240745	100
WT-HF 3,6X200 BK	3240749	100
WT-HF 3,6X290 BK	3240753	100
WT-HF 4,5X160 BK	3240757	100
WT-HF 4,5X200 BK	3240761	100
WT-HF 4,5X290 BK	3240765	100
WT-HF 4,5X360 BK	3240769	100
WT-HF 4,5X430 BK	3240771	100
WT-HF 7,8X300 BK	3240773	100
WT-HF 7,8X365 BK	3240775	100
WT-HF 7,8X540 BK	3240721	100
WT-HF 9X780 BK	3240779	100
WT-HF 12,6X850 BK	3240731	50
WT-HF 12,6X1000 BK	3240729	50

WT-HF 2,5X98 BK-L	3240734	1000
WT-HF 2,6X160 BK-L	3240738	1000
WT-HF 2,6X200 BK-L	3240742	1000
WT-HF 3,6X140 BK-L	3240746	1000
WT-HF 3,6X200 BK-L	3240750	1000
WT-HF 3,6X290 BK-L	3240754	500
WT-HF 4,5X160 BK-L	3240758	1000
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

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 4,8	1212475	1
UNIFOX-CT 4,8P	1212609	1

Installation and mounting material – CABINET add-on

Cable routing, cable protection, cable bundling

Cable ties for outdoor use

- Halogen-free/silicone-free
- Constantly high temperature resistance up to 105°C



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

General data

Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V2
Temperature range	-40 ... 105

Technical data

Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V2
Temperature range	-40 ... 105

Ordering data

Description	Color
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]	
21 / 80	black
35 / 130	black
50 / 130	black
50 / 220	black
79 / 220	black
100 / 540	black

Type	Order No.	Pcs./Pkt.
WT-UV HF 2,5X98 BK	3240831	100
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 3,6X200 BK	3240833	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
WT-UV HF 7,8X365 BK	3240837	100

Cable tie length of 98 ... 365 mm

Cable ties with V0 flammability rating in accordance with UL 94



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

General data

Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V0
Temperature range	-40 ... 85

Technical data

Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V0
Temperature range	-40 ... 85

Ordering data

Description	Color
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
50 / 220	transparent
79 / 220	transparent

Type	Order No.	Pcs./Pkt.
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100

Cable tie length of 140 ... 290 mm

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

General data

Material	
Components	
Flammability rating in accordance with UL 94	
Temperature range	[°C]

Technical data

PA 6.6
Free from silicone and halogen
V2
-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

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

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

Accessories

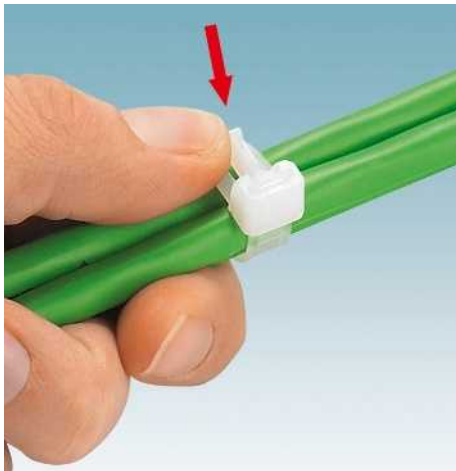
UNIFOX-CT 4,8	1212475	1
UNIFOX-CT 4,8P	1212609	1



Cable tie length of 98 ... 365 mm



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

General data	
Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V2
Temperature range	-40 ... 80 [°C]

Description	Color
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]	
50 / 220	transparent
65 / 220	transparent
100 / 220	transparent
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]	
50 / 220	black
65 / 220	black
100 / 220	black



Cable tie length of 200 ... 350 mm

Technical data		
PA 6.6		
Free from silicone and halogen		
V2		
-40 ... 80		
Ordering data		
Type	Order No.	Pcs./Pkt.
WT-D HF 7,5X200	3240712	100
WT-D HF 7,5X250	3240714	100
WT-D HF 7,5X350	3240716	100
WT-D HF 7,5X200 BK	3240713	100
WT-D HF 7,5X250 BK	3240715	100
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

General data	
Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V2
Temperature range	-40 ... 85 [°C]

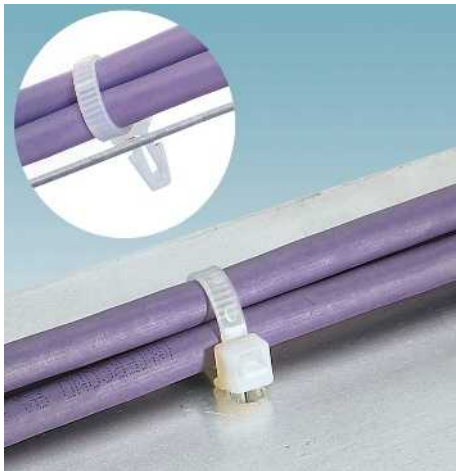
Description	Color
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]	
32 / 130 hole diameter 4.5 mm	transparent
50 / 220 hole diameter 5.2 mm	transparent
44 / 540 hole diameter 6.5 mm	transparent
75 / 540 hole diameter 6.5 mm	transparent
104 / 540 hole diameter 6.5 mm	transparent



Cable tie length of 150 ... 380 mm

Technical data		
PA 6.6		
Free from silicone and halogen		
V2		
-40 ... 85		
Ordering data		
Type	Order No.	Pcs./Pkt.
WT-E HF 3,6X150	3240718	100
WT-E HF 4,8X200	3240720	100
WT-E HF 7,8X200	3240722	100
WT-E HF 7,8X300	3240724	100
WT-E HF 7,8X380	3240726	100

Cable ties with body-bound rivet for direct mounting



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



Cable tie length of 150 ... 200 mm

General data

Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V2
Temperature range	-40 ... 85

Technical data

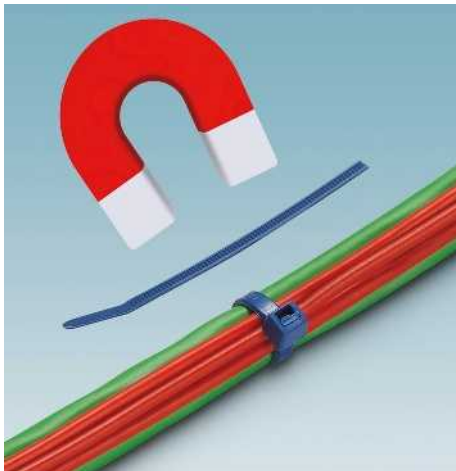
Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V2
Temperature range	-40 ... 85

Ordering data

Description	Color
Cable tie , maximum bundle Ø [mm]/minimum tensile strength [N]	
38 / 130 hole diameter 5.2 mm	transparent
50 / 220 hole diameter 6.3 mm	transparent

Type	Order No.	Pcs./Pkt.
WT-R HF 3,6X150	3240801	100
WT-R HF 4,8X200	3240803	100

Detectable cable ties



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



Cable tie length of 98 ... 365 mm

General data

Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V2
Temperature range	-40 ... 85

Technical data

Material	PA 6.6
Components	Free from silicone and halogen
Flammability rating in accordance with UL 94	V2
Temperature range	-40 ... 85

Ordering data

Description	Color
Cable tie , with metal portions, maximum bundle Ø [mm]/minimum tensile strength [N]	
21 / 80	blue
35 / 130	blue
50 / 130	blue
50 / 220	blue
79 / 220	blue
100 / 540	blue

Type	Order No.	Pcs./Pkt.
WT-ID HF 2,5X98 BU	3240794	100
WT-ID HF 3,5X140 BU	3240795	100
WT-ID HF 3,5X200 BU	3240796	100
WT-ID HF 4,5X200 BU	3240797	100
WT-ID HF 4,5X290 BU	3240798	100
WT-ID HF 7,5X365 BU	3240800	100

Installation and mounting material – CABINET add-on

Cable routing, cable protection, cable bundling

Cable ties made of stainless steel AISI 304 (V2A)



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

Notes:

For corresponding stainless steel cable markers, see 246.



Cable tie length of 150 ... 1067 mm

Low
register

General data

Material	
Temperature range	[°C]

Technical data

Stainless steel 1.4301/AISI 304
-80 ... 538

Ordering data

Description	Color
Cable tie, made of stainless steel (AISI 304), width 4.6 mm, maximum bundle Ø [mm]/minimum tensile strength [N]	
30 / 890	silver
50 / 890	silver
69 / 890	silver
102 / 890	silver
152 / 890	silver
203 / 890	silver
254 / 890	silver
305 / 890	silver
Cable tie, made of stainless steel (AISI 304), width 7.9 mm, maximum bundle Ø [mm]/minimum tensile strength [N]	
69 / 1335	silver
102 / 1335	silver
152 / 1335	silver
203 / 1335	silver
254 / 1335	silver
305 / 1335	silver

Type	Order No.	Pcs./Pkt.
WT-STEEL S 4,6X150	3240807	100
WT-STEEL S 4,6X201	3240808	100
WT-STEEL S 4,6X259	3240809	100
WT-STEEL S 4,6X360	3240810	100
WT-STEEL S 4,6X520	3240811	100
WT-STEEL S 4,6X679	3240812	100
WT-STEEL S 4,6X838	3240723	100
WT-STEEL S 4,6X1067	3240805	100
WT-STEEL S 7,9X259	3240814	100
WT-STEEL S 7,9X360	3240815	100
WT-STEEL S 7,9X520	3240816	100
WT-STEEL S 7,9X679	3240817	100
WT-STEEL S 7,9X838	3240725	100
WT-STEEL S 7,9X1067	3240813	100

Cable tie tool, for steel cable ties with a width of up to 7.9 mm, material thickness of up to 0.3 mm

Accessories

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

General data

Material	
Temperature range	[°C]

Technical data

Stainless steel 1.4401/AISI 316
-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

Cable tie tool, for steel cable ties with a width of up to 7.9 mm, material thickness of up to 0.3 mm

Accessories

UNIFOX-CT M 7,9	1212610	1
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Installation and mounting material – CABINET add-on

Cable routing, cable protection, cable bundling

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

General data

Material	ABS
Flammability rating in accordance with UL 94	HB
Temperature range	-40 ... 60 [°C]

Description

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
black

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
black

Technical data

Ordering data

Type	Order No.	Pcs./Pkt.
WT-BASE LS HF 4	3240706	100
WT-BASE LS HF 4 BK	3240707	100
WT-BASE LS HF 6	3240708	100
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

General data

Material	PA 6.6
Flammability rating in accordance with UL 94	V2
Temperature range	-40 ... 85 [°C]

Description

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
black

Cable tie base, for cable ties of up to 9 mm width, screwable, 5 mm fixing hole, dimensions: 14.6 x 22 mm

transparent
black

Technical data

Ordering data

Type	Order No.	Pcs./Pkt.
WT-BASE HF 5	3240702	100
WT-BASE HF 5 BK	3240703	100
WT-BASE HF 9	3240704	100
WT-BASE HF 9 BK	3240705	100

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**

General data

Material
Flammability rating in accordance with UL 94
Temperature range [°C]

PA 6.6
V2
-40 ... 85

Technical data

Ordering data

Type	Order No.	Pcs./Pkt.
WT-BASE R HF 8	3240711	100

Description Color

Cable tie base, for cable ties of up to 8 mm width, with molded body-bound rivet, 6.5 mm drilling diameter

transparent

Cable tie base, for cable ties of up to 9.5 mm width, with fins, 8 mm drilling diameter, can be knocked in

black

Technical data

PA 6
HB
-10 ... 65

Ordering data

Type	Order No.	Pcs./Pkt.
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**

General data

Material
Flammability rating in accordance with UL 94
Temperature range [°C]

PA 6.6
V2
-40 ... 85

Technical data

Ordering data

Description	Color
Cable driller	
Bundle diameters 5.1 - 7.6 mm	transparent
Bundle diameters 7.6 - 10.2 mm	transparent
Bundle diameters 10.2 - 12.7 mm	transparent
Bundle diameters 12.7 - 16 mm	transparent
Bundle diameters 16 - 20.3 mm	transparent
Cable driller	
Bundle diameters 5.1 - 7.6 mm	black
Bundle diameters 7.6 - 10.2 mm	black
Bundle diameters 10.2 - 12.7 mm	black
Bundle diameters 12.7 - 16 mm	black
Bundle diameters 16 - 20.3 mm	black

Type	Order No.	Pcs./Pkt.
WG-D HF 7,6	3241099	500
WG-D HF 10,2	3241101	500
WG-D HF 12,7	3241103	500
WG-D HF 16	3241105	500
WG-D HF 20,3	3241107	1000
WG-D HF 7,6 BK	3241100	500
WG-D HF 10,2 BK	3241102	500
WG-D HF 12,7 BK	3241104	500
WG-D HF 16 BK	3241106	500
WG-D HF 20,3 BK	3241108	1000



i 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.



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 standards in 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

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.

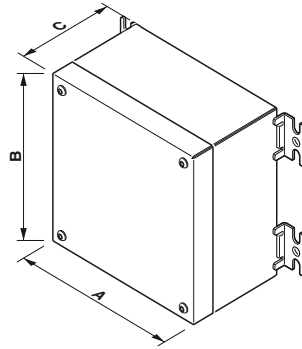


Installation and mounting material – CABINET add-on

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



Depth of 80 mm and 100 mm, housing with cover screwed in place, without flange, without mounting plate

Ex: EAC Ex IEC ATEX
Baseefa14ATEX0393U

Technical data

Silicon
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

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

II 2 G Ex e IIC Gb

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 .	

Sealing material	
Scope of supply	
Degree of protection	
Impact strength	[J]
Surface characteristics	
Temperature resistance	[°C]
Type of locking	
Housing fixing	
Material thickness	[mm]

Description	Dimension A x B x C [mm]
Terminal box, stainless steel AISI 316 L / 1.4404, without mounting plate	100 x 100 x 80
	150 x 100 x 80
	200 x 100 x 80
	120 x 120 x 100
	150 x 150 x 80
Terminal box, stainless steel AISI 316 L / 1.4404, with mounting plate	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
	150 x 100 x 80
	200 x 100 x 80
	120 x 120 x 100
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

Ordering data

Type	Order No.	Pcs./Pkt.
E S6 A 100X100X80	0899000	1
E S6 A 150X100X80	0899001	1
E S6 A 200X100X80	0899002	1
E S6 A 120X120X100	0899009	1
E S4 A 100X100X80	0899550	1
E S4 A 150X100X80	0899551	1
E S4 A 200X100X80	0899552	1
E S4 A 120X120X100	0899559	1

Accessories

Stainless steel label, unmarked, 70 x 50 x 1 mm silver

EMP-V4A CS LID-S [0839005](#) 10



Depth of 80 mm,
housing with cover screwed in place,
without flange, with mounting plate

Ex: EAC Ex IEC 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
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Depth of 100 mm,
housing with cover screwed in place,
without flange, with mounting plate

Ex: EAC Ex IEC 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
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Depth of 120 mm,
housing with cover screwed in place,
without flange, with mounting plate

Ex: EAC Ex IEC 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

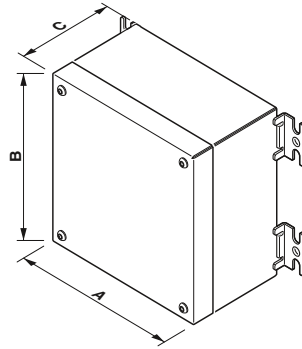
EMP-V4A CS LID	0839003	10
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Installation and mounting material – CABINET add-on

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



Depth of 160 mm, housing with cover screwed in place, without flange, with mounting plate

Ex: EAC Ex IEC ATEX
Baseefa14ATEX0393U

Technical data

Silicon
Mounting plate, Fixing angle with mounting screws,
M12 grounding bolts, affixed externally, Installation notes

Sealing material
Scope of supply

Degree of protection
Impact strength [J]
Surface characteristics
Temperature resistance [°C]
Type of locking

IP66
7
Brushed, 240 grain
-55 ... 135
Screw-on cover, Allen screws

Housing fixing
Material thickness [mm]

External fixing clips
1.5

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

II 2 G Ex e IIC Gb

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.

Description	Dimension A x B x C [mm]
Terminal box, stainless steel AISI 316 L / 1.4404, with mounting plate	200 x 200 x 160
	260 x 260 x 160
	400 x 260 x 160
	200 x 300 x 160
	300 x 300 x 160
	400 x 300 x 160
	260 x 380 x 160
	380 x 380 x 160
	500 x 400 x 160
	382 x 458 x 160
	480 x 480 x 160
	300 x 500 x 160
	400 x 500 x 160
	350 x 500 x 160
	450 x 620 x 160
Terminal box, stainless steel AISI 304 / 1.4301, with mounting plate	200 x 200 x 160
	200 x 300 x 160
	260 x 260 x 160
	260 x 380 x 160
	300 x 300 x 160
	300 x 500 x 160
	350 x 500 x 160
	380 x 380 x 160
	382 x 458 x 160
	400 x 260 x 160
	400 x 300 x 160
	400 x 500 x 160
	450 x 620 x 160
	480 x 480 x 160
	500 x 400 x 160

Ordering data

Type	Order No.	Pcs./Pkt.
E S6 A 200X200X160	0899017	1
E S6 A 260X260X160	0899019	1
E S6 A 400X260X160	0899021	1
E S6 A 200X300X160	0899023	1
E S6 A 300X300X160	0899025	1
E S6 A 400X300X160	0899027	1
E S6 A 260X380X160	0899029	1
E S6 A 380X380X160	0899031	1
E S6 A 500X400X160	0899033	1
E S6 A 382X458X160	0899035	1
E S6 A 480X480X160	0899037	1
E S6 A 300X500X160	0899039	1
E S6 A 400X500X160	0899041	1
E S6 A 350X500X160	0899043	1
E S6 A 450X620X160	0899045	1
E S4 A 200X200X160	0899567	1
E S4 A 200X300X160	0899579	1
E S4 A 260X260X160	0899571	1
E S4 A 260X380X160	0899591	1
E S4 A 300X300X160	0899583	1
E S4 A 300X500X160	0899611	1
E S4 A 350X500X160	0899619	1
E S4 A 380X380X160	0899595	1
E S4 A 382X458X160	0899603	1
E S4 A 400X260X160	0899575	1
E S4 A 400X300X160	0899587	1
E S4 A 400X500X160	0899615	1
E S4 A 450X620X160	0899623	1
E S4 A 480X480X160	0899607	1
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



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



Depth of 160 mm, cabinet with door hinge, without flange, 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



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.
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

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

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

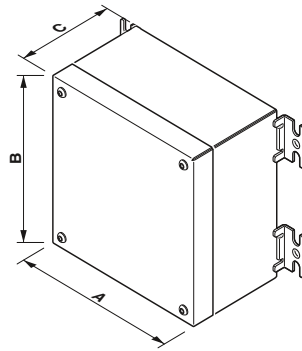
TSD-M 6NM	1212226	1
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
EMP-V4A CS DOOR	0839001	10

Installation and mounting material – CABINET add-on

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



Depth of 200 mm, housing with cover screwed in place, without flange plates, with mounting plate

Ex: EAC Ex IEC ATEX
Baseefa14ATEX0393U

Technical data

Silicon
Mounting plate, Fixing angle with mounting screws,
M12 grounding bolts, affixed externally, Installation notes

Sealing material
Scope of supply

Degree of protection
Impact strength
Surface characteristics
Temperature resistance
Type of locking

IP66
7
Brushed, 240 grain
-55 ... 135
Screw-on cover, Allen screws

Housing fixing
Material thickness

External fixing clips
1.5

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

II 2 G Ex e IIC Gb

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.

Description	Dimension A x B x C [mm]
Terminal box , stainless steel AISI 316L / 1.4404, with cover screwed in place	260 x 300 x 200
	300 x 300 x 200
	300 x 400 x 200
	400 x 400 x 200
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
	300 x 300 x 200
	300 x 400 x 200
	400 x 400 x 200
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

Torque screwdriver , adjustable from 3 - 6 Nm	black
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
Size: hex 4 x 50 mm	silver
Stainless steel label , unmarked, 70 x 50 x 1 mm	silver

Ordering data

Type	Order No.	Pcs./Pkt.
E S6 A 260X300X200	0899077	1
E S6 A 300X300X200	0899078	1
E S6 A 300X400X200	0899079	1
E S6 A 400X400X200	0899080	1
E S4 A 260X300X200	0899627	1
		1
		1
		1
E S4 A 300X300X200	0899629	1
E S4 A 300X400X200	0899631	1
E S4 A 400X400X200	0899632	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 200 mm, cabinet with door hinge,
without flange plates, with mounting plate

Ex: EAC Ex IEC 60079-1
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

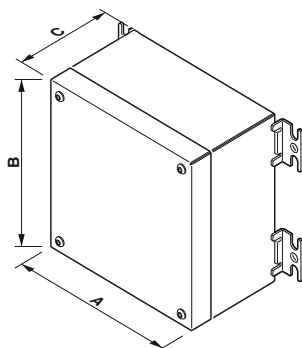
Accessories

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

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



Depth of 210 mm, cabinet with door hinge, without flange plates, 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

Sealing material
Scope of supply

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

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

II 2 G Ex e IIC Gb

II 2 D Ex tb IIC 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.

Description	Dimension A x B x C [mm]
Terminal box, stainless steel AISI 316L / 1.4404, with door and twist lock	260 x 260 x 210
	300 x 300 x 210
	260 x 380 x 210
	600 x 400 x 210
	382 x 458 x 210
	480 x 480 x 210
	350 x 500 x 210
	600 x 600 x 210
	450 x 620 x 210
	550 x 740 x 210
	508 x 762 x 210
	640 x 860 x 210
	610 x 914 x 210
	740 x 980 x 210
Terminal box, stainless steel AISI 304 / 1.4301, with door and twist lock	260 x 260 x 210
	260 x 380 x 210
	300 x 300 x 210
	350 x 500 x 210
	382 x 458 x 210
	450 x 620 x 210
	480 x 480 x 210
	508 x 762 x 210
	550 x 740 x 210
	600 x 400 x 210
	600 x 600 x 210
	610 x 914 x 210
	640 x 860 x 210
	740 x 980 x 210

Ordering data

Type	Order No.	Pcs./Pkt.
C S6 A 260X260X210	0899084	1
C S6 A 300X300X210	0899087	1
C S6 A 260X380X210	0899090	1
C S6 A 600X400X210	0899093	1
C S6 A 382X458X210	0899096	1
C S6 A 480X480X210	0899099	1
C S6 A 350X500X210	0899102	1
C S6 A 600X600X210	0899105	1
C S6 A 450X620X210	0899108	1
C S6 A 550X740X210	0899111	1
C S6 A 508X762X210	0899114	1
C S6 A 640X860X210	0899117	1
C S6 A 610X914X210	0899120	1
C S6 A 740X980X210	0899123	1
C S4 A 260X260X210	0899634	1
C S4 A 260X380X210	0899640	1
C S4 A 300X300X210	0899637	1
C S4 A 350X500X210	0899652	1
C S4 A 382X458X210	0899646	1
C S4 A 450X620X210	0899658	1
C S4 A 480X480X210	0899649	1
C S4 A 508X762X210	0899664	1
C S4 A 550X740X210	0899661	1
C S4 A 600X400X210	0899643	1
C S4 A 600X600X210	0899655	1
C S4 A 610X914X210	0899670	1
C S4 A 640X860X210	0899667	1
C S4 A 740X980X210	0899673	1

Accessories

Torque screwdriver , adjustable from 3 - 6 Nm	black
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
Size: hex 4 x 50 mm	silver
Stainless steel label , unmarked, 70 x 50 x 1 mm	silver

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, with mounting plate



Depth of 210 mm, cabinet with door hinge, with flange plates below, left and right, with mounting plate

Ex: EAC Ex IEC ATEX
Baseefa14ATEX0393U

Ex: EAC Ex IEC ATEX
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

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.
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

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

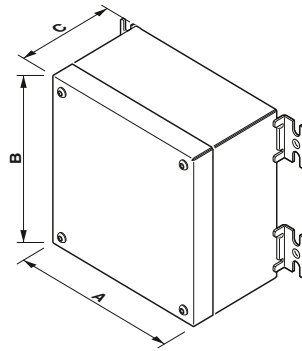
TSD-M 6NM	1212226	1
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
EMP-V4A CS DOOR	0839001	10

Installation and mounting material – CABINET add-on

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



Depth of 240 mm, cabinet with door hinge, without flange plates, with mounting plate

Ex: IEC 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

Sealing material
Scope of supply

Degree of protection IP66
Impact strength 7 [J]
Surface characteristics Brushed, 240 grain
Temperature resistance -55 ... 135 [°C]
Type of locking Door with replaceable hinge, Quarter turn locking with two-way key bit
Housing fixing External fixing clips
Material thickness 2 [mm]

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

II 2 G Ex e IIC Gb

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.

Description	Dimension A x B x C [mm]
Terminal box, stainless steel AISI 316L / 1.4404, with door and twist lock, without flange, including mounting plate	600 x 650 x 240
	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
	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

Ordering data

Type	Order No.	Pcs./Pkt.
C S6 A 600X650X240	0899126	1
C S4 A 600X650X240	0899676	1

Accessories

Stainless steel label, unmarked, 70 x 50 x 1 mm silver

EMP-V4A CS DOOR **0839001** 10



Depth of 260 mm, cabinet with door hinge, without flange plates, with mounting plate



Depth of 300 mm, cabinet with door hinge, without flange plates, with mounting plate



Depth of 300 mm, cabinet with door hinge, with flange plates below, with mounting plate

Ex: EAC Ex IEC 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

Ex: EAC Ex IEC 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

Ex: EAC Ex IEC 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.
C S6 A 400X650X260	0899127	1
C S4 A 400X650X260	0899677	1
Accessories		
EMP-V4A CS DOOR	0839001	10

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

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



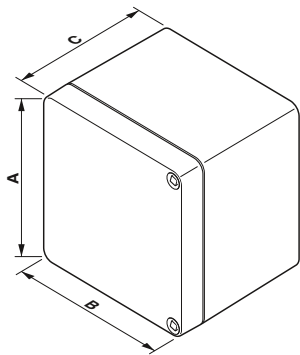
- Easy door mounting, with spring-mounted hinge pins, means the door can be removed without tools
- Mounting brackets with turning protection can be flexibly adapted to the installation situation
- Comprehensive, optional accessories for customer-specific terminal boxes: grounding bolts, various locking 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



Junction box

Material	
Sealing material	
Scope of supply	
Degree of protection	
Impact strength	[J]
Temperature resistance	[°C]
Type of locking	
Housing fixing	
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

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
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

Technical data

Fiberglass-reinforced polyester with added graphite
Silicon
Door hinge with 8 mm square lock
IP66
7 in accordance with EN 60079-0
-55 ... 127
Door, Square lock
External fixing clips

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

SF-CCK 9	1212525	1
USS 4	1203149	1



Mounting plate



Fixing bracket

Technical data

Steel, galvanized

-
-
-
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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

Accessories

Technical data

Stainless steel

-
-
-
-
-
-
-

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

Installation and mounting material – CABINET add-on

Ex polyester empty enclosures

Empty enclosure with cover



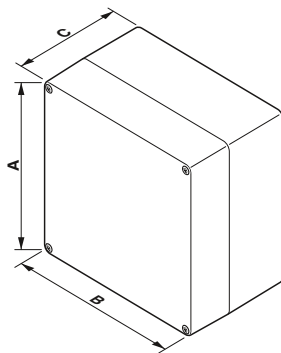
- Mounting brackets with turning protection can be flexibly adapted to the installation situation
- Direct wall mounting option, thanks to fixing channels outside the sealing area, protected by the cover
- The mounting screws made from stainless steel are captively integrated into the cover
- Comprehensive, 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:

i #0851



Junction box

Material

Sealing material	
Degree of protection	
Impact strength	[J]
Temperature resistance	[°C]
Type of locking	
Housing fixing	
Material thickness	[mm]

Technical data

Fiberglass-reinforced polyester with added graphite

Silicon
IP66
7 in accordance with EN 60079-0
-55 ... 127
Screw-on cover, Plus/minus screw
External fixing clips available as an option

Ordering data

Description	Dimension A x B x C [mm]
Terminal box	75 x 80 x 56
	75 x 80 x 75
	75 x 110 x 56
	75 x 110 x 75
	75 x 160 x 56
	75 x 160 x 75
	75 x 190 x 56
	75 x 190 x 75
	75 x 230 x 56
	75 x 230 x 75
	120 x 122 x 91
	120 x 220 x 91
	160 x 160 x 91
	160 x 260 x 91
	160 x 360 x 91
	160 x 560 x 91
	250 x 255 x 121
	250 x 255 x 161
	250 x 400 x 121
	250 x 400 x 161
	250 x 600 x 121
	360 x 360 x 91
	405 x 400 x 121
	405 x 400 x 201

Type	Order No.	Pcs./Pkt.
E PX A 75X80X56	0899300	1
E PX A 75X80X75	0899301	1
E PX A 75X110X56	0899302	1
E PX A 75X110X75	0899303	1
E PX A 75X160X56	0899304	1
E PX A 75X160X75	0899305	1
E PX A 75X190X56	0899306	1
E PX A 75X190X75	0899307	1
E PX A 75X230X56	0899308	1
E PX A 75X230X75	0899309	1
E PX A 120X122X91	0899310	1
E PX A 120X220X91	0899311	1
E PX A 160X160X91	0899312	1
E PX A 160X260X91	0899313	1
E PX A 160X360X91	0899314	1
E PX A 160X560X91	0899315	1
E PX A 250X255X121	0899316	1
E PX A 250X255X161	0899317	1
E PX A 250X400X121	0899318	1
E PX A 250X400X161	0899319	1
E PX A 250X600X121	0899320	1
E PX A 360X360X91	0899321	1
E PX A 405X400X121	0899322	1
E PX A 405X400X201	0899323	1

Torque screwdriver, adjustable from 3 - 6 Nm	black
Screw bit	silver

Accessories

TSD-M 6NM	1212226	1
SF-BIT-PHSL 2-70	1212601	5





Mounting plate



Fixing bracket

Technical data

Steel, galvanized

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Technical data

Stainless steel

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-
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-
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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 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
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1

Accessories

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Accessories

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Ex polyester empty enclosures

Empty enclosure with two wiring levels



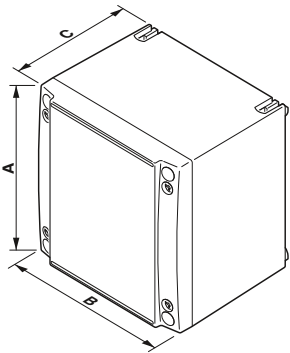
- Save space, thanks to a second wiring level. The height of the top mounting frame can be individually adjusted
- Direct wall mounting option, thanks to fixing channels outside the sealing area, protected by the cover
- Retaining bands secure the cover when opening
- The mounting screws made from stainless 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:

i #0851



Junction box

Material	
Sealing material	
Degree of protection	
Impact strength	[J]
Temperature resistance	[°C]
Type of locking	
Housing fixing	
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

Technical data		
Fiberglass-reinforced polyester with added graphite		
Material	Silicon	
Degree of protection	IP66	
Impact strength	7 in accordance with EN 60079-0	
Temperature resistance	-55 ... 127	
Type of locking	Screw-on cover, Plus/minus screw	
Housing fixing	Integrated blind hole	

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





Mounting plate

Technical data

Steel, galvanized

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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



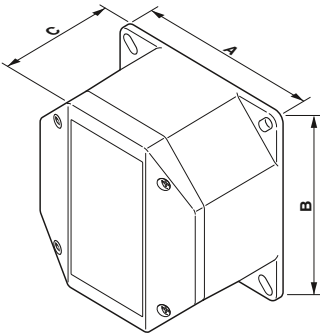
- Integrated mounting bracket outside the sealing area, protected by the cover
- The mounting screws made from stainless steel are captively integrated into the cover
- Comprehensive, ideal range of accessories for customer-specific terminal boxes: metal bracket (offshore plate) for shielding and grounding, 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



Junction box

Material	
Sealing material	
Degree of protection	
Impact strength	[J]
Temperature resistance	[°C]
Type of locking	
Housing fixing	

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

Technical data
Fiberglass-reinforced polyester with added graphite

Silicon
IP66
7 in accordance with EN 60079-0
-55 ... 127
Screw-on cover, Plus/minus screw
Integrated external fixing clip

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

Installation and mounting material – CABINET add-on

Polyester empty enclosures

Empty enclosure with cover



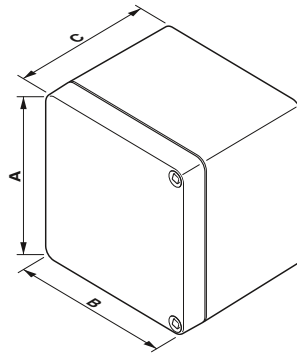
- Direct wall mounting option, thanks to fixing channels outside the sealing area, protected by the cover
- Mounting brackets with turning protection can be flexibly adapted to the installation situation
- The mounting screws made from stainless steel are captively integrated into the cover
- Comprehensive, 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:

i #0851



Junction box

Material	
Sealing material	
Degree of protection	
Impact strength	[J]
Temperature resistance	[°C]
Type of locking	
Housing fixing	
Material thickness	[mm]

Technical data

Polyester fiberglass reinforced
Chloroprene
IP66
7 in accordance with EN 60079-0
-40 ... 100
Screw-on cover, Plus/minus screw
Integrated blind hole

Ordering data

Description	Dimension A x B x C [mm]
Terminal box	55 x 55 x 37
	55 x 55 x 59
	75 x 80 x 56
	75 x 80 x 75
	75 x 110 x 56
	75 x 110 x 75
	75 x 160 x 56
	75 x 160 x 75
	75 x 190 x 56
	75 x 190 x 75
	75 x 230 x 59
	75 x 230 x 75
	100 x 320 x 81
	120 x 122 x 91
	120 x 220 x 91
	160 x 160 x 91
	160 x 260 x 91
	160 x 360 x 91
	160 x 560 x 91
	250 x 255 x 121
	250 x 255 x 161
	250 x 400 x 121
	250 x 400 x 161
	250 x 600 x 121
	360 x 360 x 91
	405 x 400 x 121
	405 x 400 x 201

Type	Order No.	Pcs./Pkt.
E PE A 55X55X37	0899335	1
E PE A 55X55X59	0899336	1
E PE A 75X80X56	0899337	1
E PE A 75X80X75	0899338	1
E PE A 75X110X56	0899339	1
E PE A 75X110X75	0899340	1
E PE A 75X160X56	0899341	1
E PE A 75X160X75	0899342	1
E PE A 75X190X56	0899343	1
E PE A 75X190X75	0899344	1
E PE A 75X230X56	0899345	1
E PE A 75X230X75	0899346	1
E PE A 100X320X81	0899347	1
E PE A 120X122X91	0899348	1
E PE A 120X220X91	0899349	1
E PE A 160X160X91	0899350	1
E PE A 160X260X91	0899351	1
E PE A 160X360X91	0899352	1
E PE A 160X560X91	0899353	1
E PE A 250X255X121	0899354	1
E PE A 250X255X161	0899355	1
E PE A 250X400X121	0899356	1
E PE A 250X400X161	0899357	1
E PE A 250X600X121	0899358	1
E PE A 360X360X91	0899359	1
E PE A 405X400X121	0899360	1
E PE A 405X400X201	0899361	1

Accessories

Torque screwdriver, adjustable from 3 - 6 Nm	black
Screw bit	silver

TSD-M 6NM	1212226	1
SF-BIT-PHSL 2-70	1212601	5





Mounting plate



Fixing bracket

Technical data

Steel, galvanized

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-
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Technical data

Stainless steel

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-
-
-
-
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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

Ordering data

Type	Order No.	Pcs./Pkt.
AE EMB CP 1	0899521	1
AE EMB CP 1	0899521	1
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AE EMB CP 1	0899521	1
AE EMB CP 1	0899521	1
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AE EMB CP 1	0899521	1
AE EMB CP 1	0899521	1
AE EMB CP 1	0899521	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
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1

Accessories

Accessories

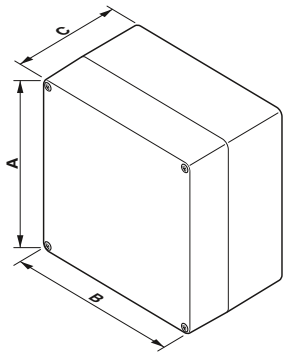
ABS terminal boxes

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

Material	
Sealing material	
Degree of protection	
Impact strength	[J]
Temperature resistance	[°C]
Type of locking	
Housing fixing	

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	

Description	Dimension A x B x C [mm]
Terminal box with 6 2.5 mm² terminal blocks and 2 x M20 cable glands (1 below/1 above)	85 x 83 x 60
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

Ordering data		
Type	Order No.	Pcs./Pkt.
E AB A 85X83X60 6MPT	3001998	1



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

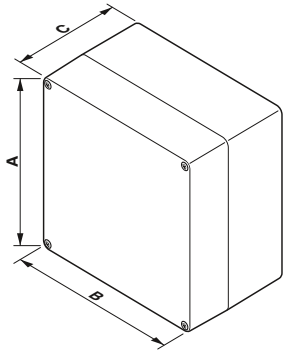
ABS terminal boxes

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

Material	
Sealing material	
Degree of protection	
Impact strength	[J]
Temperature resistance	[°C]
Type of locking	
Housing fixing	

Technical data	
ABS	
Silicon	
IP67	
2 according to EN 62262/EN 50102	
-25 ... 60	
Screw-on cover, Phillips-Recess	
Screw connection in housing base	

Description	Dimension A x B x C [mm]
Terminal box with 6 2.5 mm² terminal blocks and 2 x M20 cable glands (1 below/1 above)	85 x 83 x 60
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

Ordering data		
Type	Order No.	Pcs./Pkt.
E AB A 85X83X60 6TB	3002002	1



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

Installation and mounting material – CABINET add-on

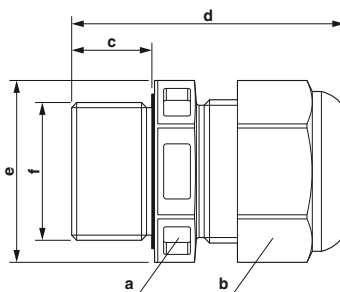
Ex cable glands

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



Plastic cable gland

Notes:

For counter nuts, see page 656.

Ex: EAC Ex IEC UL
PTB 13 ATEX 1015 X / IECEx PTB 13.0034X

Technical data

PA
EPDM (Cable seal, halogen-free)
-
-40°C ... 75°C (static (see prototype test report +15°C ... +65°C at impact energy of 4J))

General data

Cable gland material
Seal material
Cable seal material
Ambient temperature (operation)

Thread type	Color	Clamping area [mm]
M12 x 1.5	black	3.00 - 6.00
M16 x 1.5	black	4.50 - 9.00
M20 x 1.5	black	7.00 - 13.00
M25 x 1.5	black	10.00 - 17.00
M32 x 1.5	black	13.00 - 21.00
M40 x 1.5	black	17.00 - 28.00

Dimensions [mm]					Thread
a	b	c	d	e	f
16.00	16.00	15.00	34.00	18.00	M12
20.00	20.00	15.00	37.00	23.00	M16
24.00	24.00	15.00	41.00	28.00	M20
29.00	29.00	15.00	43.00	33.00	M25
36.00	36.00	15.00	51.00	41.00	M32
46.00	46.00	18.00	58.00	51.00	M40

Ordering data

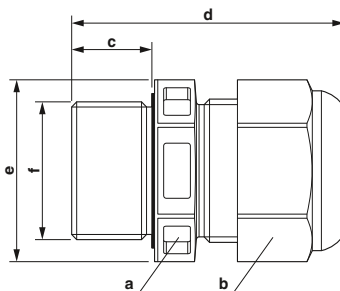
Type	Order No.	Pcs./Pkt.
G-ESIS-M12-S68L-PEPDS-BK	1415106	10
G-ESIS-M16-S68L-PEPDS-BK	1415107	10
G-ESIS-M20-S68L-PEPDS-BK	1415108	10
G-ESIS-M25-M68L-PEPDS-BK	1415109	10
G-ESIS-M32-M68L-PEPDS-BK	1415110	5
G-ESIS-M40-M68L-PEPDS-BK	1415111	5

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



Plastic cable gland

Notes:

For counter nuts, see page 656.

Ex: EAC Ex IEC UL
PTB 13 ATEX 1015 X / IECEx PTB 13.0034X

Technical data

PA
EPDM (Cable seal, halogen-free)
-
-40°C ... 75°C (static (see prototype test report +15°C ... +65°C at impact energy of 4J))

General data

Cable gland material
Seal material
Cable seal material
Ambient temperature (operation)

Thread type	Color	Clamping area [mm]
M12 x 1.5	black/blue	3.00 - 6.00
M16 x 1.5	black/blue	4.50 - 9.00
M20 x 1.5	black/blue	7.00 - 13.00
M25 x 1.5	black/blue	10.00 - 17.00
M32 x 1.5	black/blue	13.00 - 21.00
M40 x 1.5	black/blue	17.00 - 28.00
M50 x 1.5	black/blue	23.00 - 35.00
M63 x 1.5	black/blue	34.00 - 48.00

Dimensions [mm]					Thread
a	b	c	d	e	f
16.00	16.00	15.00	35.00	18.00	M12
20.00	20.00	15.00	37.00	23.00	M16
24.00	24.00	15.00	41.00	28.00	M20
29.00	29.00	15.00	43.00	33.00	M25
36.00	36.00	15.00	45.00	41.00	M32
46.00	46.00	18.00	58.00	51.00	M40
55.00	55.00	18.00	63.00	61.00	M50
68.00	68.00	18.00	67.00	75.00	M63

Ordering data

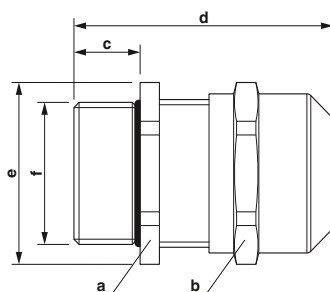
Type	Order No.	Pcs./Pkt.
G-ESIS-M12-S68L-PEPDS-BL	1415114	10
G-ESIS-M16-S68L-PEPDS-BL	1415116	10
G-ESIS-M20-S68L-PEPDS-BL	1415117	10
G-ESIS-M25-M68L-PEPDS-BL	1415118	10
G-ESIS-M32-M68L-PEPDS-BL	1415119	5
G-ESIS-M40-M68L-PEPDS-BL	1415120	5
G-ESIS-M50-L68L-PEPDS-BL	1415121	1
G-ESIS-M63-L68L-PEPDS-BL	1415122	1

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



Brass cable gland

Notes:

For counter nuts, see page 656.



Ex: EAC Ex IEC Ex PTB 04 ATEX 1112 X / IECEx PTB 13.0027X

Technical data

Nickel-plated brass
EPDM (O-ring)
EPDM
PA
-40°C ... 75°C (static)

Ordering data

Type	Order No.	Pcs./Pkt.
G-ESIS-M12-S68N-NEPDS-S	1415123	10
G-ESIS-M16-S68N-NEPDS-S	1415124	10
G-ESIS-M20-S68N-NEPDS-S	1415125	10
G-ESIS-M25-M68N-NEPDS-S	1415126	10
G-ESIS-M32-M68L-NEPDS-S	1415127	5
G-ESIS-M40-M68L-NEPDS-S	1415129	5
G-ESIS-M50-L68L-NEPDS-S	1415146	1
G-ESIS-M63-L68L-NEPDS-S	1415147	1

General data

Cable gland material
Seal material
Cable seal material
Material, insert
Ambient temperature (operation)

Thread type	Color	Clamping area [mm]
M12 x 1.5	silver	4.00 - 7.00
M16 x 1.5	silver	5.00 - 10.00
M20 x 1.5	silver	6.00 - 13.00
M25 x 1.5	silver	10.00 - 17.00
M32 x 1.5	silver	13.00 - 21.00
M40 x 1.5	silver	16.00 - 28.00
M50 x 1.5	silver	21.00 - 35.00
M63 x 1.5	silver	34.00 - 48.00

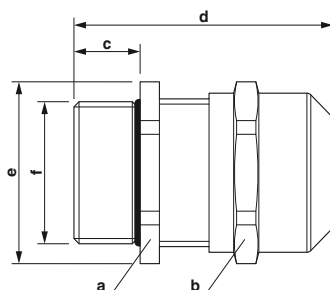
Dimensions [mm]						Thread
a	b	c	d	e	f	
-	16.00	12.00	30.00	18.00		M12
-	20.00	12.00	33.00	22.00		M16
-	24.00	12.00	43.00	27.00		M20
-	29.00	12.00	38.00	32.00		M25
-	36.00	15.00	43.00	40.00		M32
-	46.00	15.00	51.00	51.00		M40
-	55.00	15.00	57.00	61.00		M50
-	68.00	15.00	61.00	75.00		M63

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



Brass EMC cable gland

Notes:

For ribbed counter nut, see page 657.



Ex: EAC Ex IEC Ex PTB 04 ATEX 1112 X / IECEx PTB 13.0027X

Technical data

Nickel-plated brass
EPDM (O-ring)
EPDM
PA
-40°C ... 75°C (static)

Ordering data

Type	Order No.	Pcs./Pkt.
G-ESIS-M12-S68N-NEPDS-S	1415148	10
G-ESIS-M16-S68N-NEPDS-S	1415149	10
G-ESIS-M20-S68N-NEPDS-S	1415163	10
G-ESIS-M25-M68N-NEPDS-S	1415165	10
G-ESIS-M32-M68L-NEPDS-S	1415166	5
G-ESIS-M40-M68L-NEPDS-S	1415168	5
G-ESIS-M50-L68L-NEPDS-S	1415169	1
G-ESIS-M63-L68L-NEPDS-S	1415170	1

General data

Cable gland material
Seal material
Cable seal material
Material, insert
Ambient temperature (operation)

Thread type	Color	Clamping area [mm]
M12 x 1.5	silver	4.00 - 7.00
M16 x 1.5	silver	5.00 - 10.00
M20 x 1.5	silver	6.00 - 13.00
M25 x 1.5	silver	10.00 - 17.00
M32 x 1.5	silver	13.00 - 21.00
M40 x 1.5	silver	16.00 - 28.00
M50 x 1.5	silver	21.00 - 35.00
M63 x 1.5	silver	34.00 - 48.00

Dimensions [mm]						Thread
a	b	c	d	e	f	
16.00	16.00	12.00	30.00	18.00		M12
20.00	20.00	12.00	33.00	22.00		M16
24.00	24.00	12.00	43.00	27.00		M20
29.00	29.00	12.00	38.00	32.00		M25
36.00	36.00	15.00	43.00	40.00		M32
46.00	46.00	15.00	51.00	51.00		M40
55.00	55.00	15.00	57.00	61.00		M50
68.00	68.00	15.00	61.00	75.00		M63

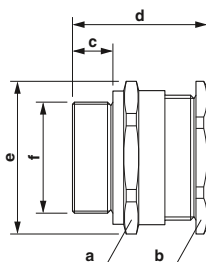
Installation and mounting material – CABINET add-on

Ex cable glands

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.

General data

Cable gland material
Seal material
Cable seal material
Ambient temperature (operation)

Ex: EAC Ex IEC RoHS
Sira 13ATEX1068X / IECEx SIR 13.0023X

Technical data

Nickel-plated brass
-
EPDM
-60°C ... 130°C (static)

Ordering data

Thread type	Color	Clamping area [mm]
M20 x 1.5	silver	6.50 - 14.00
M25 x 1.5	silver	11.10 - 20.00
M32 x 1.5	silver	17.00 - 26.30
M40 x 1.5	silver	23.50 - 32.20
M50 x 1.5	silver	35.60 - 44.10
M63 x 1.5	silver	47.20 - 56.00

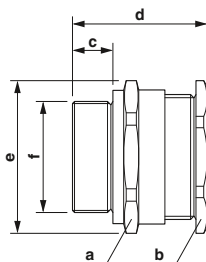
Dimensions [mm]						Thread
a	b	c	d	e	f	
27.00	27.00	15.00	39.00	29.70	M20	
36.00	36.00	15.00	41.00	39.60	M25	
41.00	41.00	15.00	42.00	45.10	M32	
50.00	50.00	15.00	43.00	55.00	M40	
60.00	60.00	15.00	45.00	66.00	M50	
75.00	75.00	15.00	45.00	82.50	M63	

Type	Order No.	Pcs./Pkt.
G-ESS-M20-S66L-NTES-S	1411075	20
G-ESS-M25-M66L-NTES-S	1411077	20
G-ESS-M32-M66L-NTES-S	1411079	10
G-ESS-M40-L66L-NTES-S	1411081	2
G-ESS-M50-L66L-NTES-S	1411084	2
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.

General data

Cable gland material
Seal material
Cable seal material
Ambient temperature (operation)

Ex: EAC Ex IEC RoHS
Sira 13ATEX1068X / IECEx SIR 13.0023X

Technical data

Stainless steel 316L
-
EPDM
-60°C ... 130°C (static)

Ordering data

Thread type	Color	Clamping area [mm]
M20 x 1.5	silver	6.50 - 14.00
M25 x 1.5	silver	11.10 - 20.00
M32 x 1.5	silver	17.00 - 26.30
M40 x 1.5	silver	23.50 - 32.20
M50 x 1.5	silver	35.60 - 44.10
M63 x 1.5	silver	47.20 - 56.00

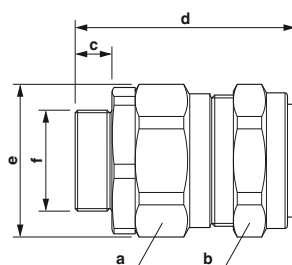
Dimensions [mm]						Thread
a	b	c	d	e	f	
27.00	27.00	15.00	39.00	29.70	M20	
36.00	36.00	15.00	41.00	39.60	M25	
41.00	41.00	15.00	42.00	45.10	M32	
50.00	50.00	15.00	43.00	55.00	M40	
60.00	60.00	15.00	45.00	66.00	M50	
75.00	75.00	15.00	45.00	82.50	M63	

Type	Order No.	Pcs./Pkt.
G-ESS-M20-S66L-STES-S	1411076	20
G-ESS-M25-M66L-STES-S	1411078	20
G-ESS-M32-M66L-STES-S	1411080	10
G-ESS-M40-L66L-STES-S	1411082	2
G-ESS-M50-L66L-STES-S	1411085	2
G-ESS-M63-L66L-STES-S	1411087	2

Brass cable glands, metric, Ex protection

The cable glands for armored cables provide increased safety (type “e”) protection.

– Degree of protection: IP66/IP67/IP68



Brass cable gland

Notes:

For counter nuts, see page 656.

Ex: EAC Ex IEC RoHS

Sira 13ATEX1070X / IECEx SIR 13.0025X

Technical data

Nickel-plated brass

-

EPDM

-60°C ... 130°C (static)

Ordering data

Type	Order No.	Pcs./Pkt.
G-ESSWU-M20S-S66L-NTES-S	1411088	10
G-ESSWU-M20-M66L-NTES-S	1411090	10
G-ESSWU-M25-M66L-NTES-S	1411092	10
G-ESSWU-M32-L66L-NTES-S	1411094	5
G-ESSWU-M40-L66L-NTES-S	1411097	1
G-ESSWU-M50-L66L-NTES-S	1411100	5
G-ESSWU-M63-L66L-NTES-S	1411102	1

General data

Cable gland material

Seal material

O-ring material

Cable seal material

Ambient temperature (operation)

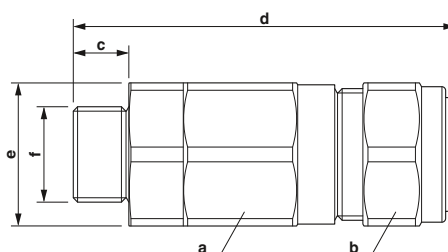
Thread type	Color	Clamping area [mm]
M20 x 1.5	silver	9.50 - 15.90
M20 x 1.5	silver	12.50 - 20.90
M25 x 1.5	silver	18.20 - 26.20
M32 x 1.5	silver	23.70 - 33.90
M40 x 1.5	silver	27.90 - 40.40
M50 x 1.5	silver	40.40 - 53.10
M63 x 1.5	silver	54.60 - 65.90

Dimensions [mm]						Thread
a	b	c	d	e	f	
24.00	24.00	15.00	73.00	26.40		M20
30.50	30.50	15.00	75.00	33.60		M20
37.50	37.50	15.00	82.00	41.30		M25
46.00	46.00	15.00	84.00	50.60		M32
55.00	55.00	15.00	93.00	60.50		M40
70.00	70.00	15.00	95.00	77.00		M50
80.00	80.00	15.00	107.00	88.00		M63

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



Stainless steel cable gland

Notes:

For counter nuts, see page 657.



Ex: EAC Ex IEC RoHS

Sira 13ATEX1073X / IECEx SIR 13.0028X

Technical data

Stainless steel 316L

EPDM

-

EPDM

-60°C ... 130°C (static)

Ordering data

Type	Order No.	Pcs./Pkt.
G-EDSWU-M20S-S66L-STES-S	1411089	10
G-EDSWU-M20-M66L-STES-S	1411091	10
G-EDSWU-M25-M66L-STES-S	1411093	10
G-EDSWU-M32-L66L-STES-S	1411095	5
G-EDSWU-M40-L66L-STES-S	1411099	1
G-EDSWU-M50-L66L-STES-S	1411101	1
G-EDSWU-M63-L66L-STES-S	1411103	1

General data

Cable gland material

Seal material

O-ring material

Cable seal material

Ambient temperature (operation)

Thread type	Color	Clamping area [mm]
M20 x 1.5	silver	9.50 - 15.90
M20 x 1.5	silver	12.50 - 20.90
M25 x 1.5	silver	18.20 - 26.20
M32 x 1.5	silver	23.70 - 33.90
M40 x 1.5	silver	27.90 - 40.40
M50 x 1.5	silver	40.40 - 53.10
M63 x 1.5	silver	54.60 - 65.90

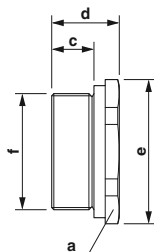
Dimensions [mm]						Thread
a	b	c	d	e	f	
24.00	24.00	15.00	73.00	26.40		M20
30.50	30.50	15.00	75.00	33.60		M20
37.50	37.50	15.00	82.00	41.30		M25
46.00	46.00	15.00	84.00	50.60		M32
55.00	55.00	15.00	101.00	60.50		M40
70.00	70.00	15.00	95.00	77.00		M50
80.00	80.00	15.00	107.00	88.00		M63

Installation and mounting material – CABINET add-on

Ex cable glands

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:

General data

Material
Ambient temperature (operation)

Technical data

Brass, nickel-plated
-60°C ... 130°C

Ordering data

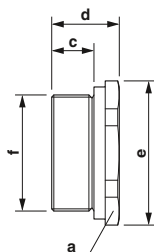
Thread type	Color	Clamping area [mm]
M20 x 1.5	silver	-
M25 x 1.5	silver	-
M32 x 1.5	silver	-
M40 x 1.5	silver	-
M50 x 1.5	silver	-
M63 x 1.5	silver	-

Dimensions [mm]					Thread
a	b	c	d	e	f
24.00	-	15.30	20.30	26.40	M20
30.00	-	15.00	24.00	33.00	M25
36.00	-	15.00	24.00	39.60	M32
46.00	-	15.00	24.00	50.60	M40
55.00	-	15.00	24.00	60.50	M50
65.00	-	15.00	24.00	77.00	M63

Type	Order No.	Pcs./Pkt.
A-EXSH-M20-68L-N-S	1411104	20
A-EXSH-M25-68L-N-S	1411107	20
A-EXSH-M32-68L-N-S	1411109	10
A-EXSH-M40-68L-N-S	1411111	5
A-EXSH-M50-68L-N-S	1411113	2
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:

General data

Material
Ambient temperature (operation)

Technical data

Stainless steel 316L
-60°C ... 130°C

Ordering data

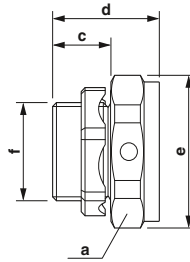
Thread type	Color	Clamping area [mm]
M20 x 1.5	silver	-
M25 x 1.5	silver	-
M32 x 1.5	silver	-
M40 x 1.5	silver	-
M50 x 1.5	silver	-
M63 x 1.5	silver	-

Dimensions [mm]					Thread
a	b	c	d	e	f
24.00	-	15.00	24.00	26.40	M20
30.00	-	15.00	24.00	33.00	M25
36.00	-	15.00	24.00	39.60	M32
46.00	-	15.00	24.00	50.60	M40
55.00	-	15.00	24.00	60.50	M50
65.00	-	15.00	24.00	77.00	M63

Type	Order No.	Pcs./Pkt.
A-EXSH-M20-68L-S-S	1411105	20
A-EXSH-M25-68L-S-S	1411108	20
A-EXSH-M32-68L-S-S	1411110	10
A-EXSH-M40-68L-S-S	1411112	5
A-EXSH-M50-68L-S-S	1411114	2
A-EXSH-M63-68L-S-S	1411116	1

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.



Notes:

For counter nuts, see page 656.

Brass pressure compensation

Ex: EAC Ex IEC Ex SIR 10.0149U
Sira 10ATEX1307U / IECEx SIR 10.0149U

Technical data

Brass, nickel-plated
Silicon
-60°C ... 130°C

Ordering data

Type	Order No.	Pcs./Pkt.
A-EXB-20-66L-N-S	1411117	5
A-EXB-25-66L-N-S	1411120	5

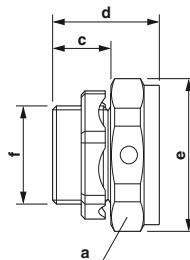
General data

Material
O-ring material
Ambient temperature (operation)

Thread type	Color	Clamping area [mm]	Dimensions [mm]					Thread
			a	b	c	d	e	
M20 x 1.5	silver	-	30.00	-	15.00	32.00	33.00	M20
M25 x 1.5	silver	-	31.50	-	15.00	32.00	39.60	M25

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.



Notes:

For counter nuts, see page 657.

Stainless steel pressure compensation

Ex: EAC Ex IEC Ex SIR 10.0149U
Sira 10ATEX1307U / IECEx SIR 10.0149U

Technical data

Stainless steel 1.4404
Silicon
-60°C ... 130°C

Ordering data

Type	Order No.	Pcs./Pkt.
A-EXB-20-66L-S-S	1411118	5
A-EXB-25-66L-S-S	1411121	5

General data

Material
O-ring material
Ambient temperature (operation)

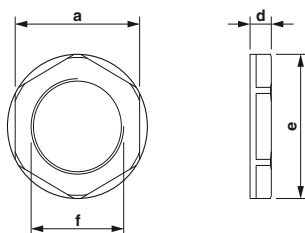
Thread type	Color	Clamping area [mm]	Dimensions [mm]					Thread
			a	b	c	d	e	
M20 x 1.5	silver	-	30.00	-	15.00	32.00	26.40	M20
M25 x 1.5	silver	-	31.50	-	15.00	32.00	33.00	M25

Installation and mounting material – CABINET add-on

Ex cable glands

Plastic counter nuts, metric, EN 60423

– Color: jet black (RAL 9005)



General data

Material
Ambient temperature (operation)

Technical data

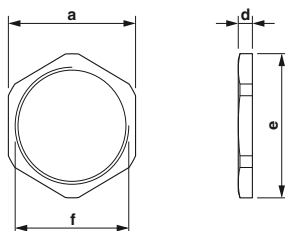
PA
-20°C ... 100°C

Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm]					Thread
			a	b	c	d	e	f
M12 x 1.5	jet black RAL 9005	-	18.00	-	-	5.00	19.50	M12
M16 x 1.5	jet black RAL 9005	-	22.00	-	-	5.00	24.20	M16
M20 x 1.5	jet black RAL 9005	-	26.00	-	-	6.00	28.60	M20
M25 x 1.5	jet black RAL 9005	-	32.00	-	-	6.00	35.00	M25
M32 x 1.5	jet black RAL 9005	-	41.00	-	-	7.00	46.10	M32
M40 x 1.5	jet black RAL 9005	-	50.00	-	-	7.00	55.30	M40
M50 x 1.5	jet black RAL 9005	-	60.00	-	-	8.00	66.10	M50
M63 x 1.5	jet black RAL 9005	-	75.00	-	-	8.00	82.50	M63

Type	Order No.	Pcs./Pkt.
A-INL-M12-P-BK	1411213	10
A-INL-M16-P-BK	1411214	10
A-INL-M20-P-BK	1411215	5
A-INL-M25-P-BK	1411216	5
A-INL-M32-P-BK	1411217	5
A-INL-M40-P-BK	1411218	5
A-INL-M50-P-BK	1411219	5
A-INL-M63-P-BK	1411220	5

Brass counter nuts, metric, EN 60423



Brass counter nut

General data

Material
Ambient temperature (operation)

Technical data

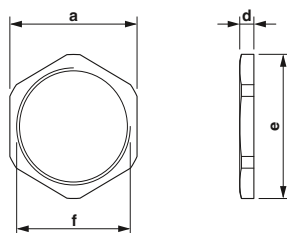
Brass, nickel-plated
-70°C ... 220°C

Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm]					Thread
			a	b	c	d	e	f
M12 x 1.5	silver	-	15.00	-	-	2.80	16.50	M12
M16 x 1.5	silver	-	19.00	-	-	2.80	21.00	M16
M20 x 1.5	silver	-	24.00	-	-	3.00	27.00	M20
M25 x 1.5	silver	-	30.00	-	-	3.50	33.50	M25
M32 x 1.5	silver	-	36.00	-	-	4.00	40.00	M32
M40 x 1.5	silver	-	46.00	-	-	5.00	50.00	M40
M50 x 1.5	silver	-	57.00	-	-	5.00	65.00	M50
M63 x 1.5	silver	-	70.00	-	-	6.00	75.00	M63

Type	Order No.	Pcs./Pkt.
A-INL-M12-N-S	1411240	100
A-INL-M16-N-S	1411241	100
A-INL-M20-N-S	1411242	100
A-INL-M25-N-S	1411243	100
A-INL-M32-N-S	1411244	100
A-INL-M40-N-S	1411246	50
A-INL-M50-N-S	1411247	25
A-INL-M63-N-S	1411248	25

Stainless steel counter nuts, metric, EN 60423



Stainless steel counter nut

General data

Material
Ambient temperature (operation)

Technical data

Stainless steel 1.4305
-70°C ... 220°C

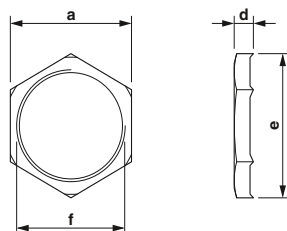
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm]					Thread
			a	b	c	d	e	
M20 x 1.5	silver	-	24.00	-	-	3.00	27.00	M20
M25 x 1.5	silver	-	30.00	-	-	3.50	33.50	M25
M32 x 1.5	silver	-	36.00	-	-	4.00	40.00	M32
M40 x 1.5	silver	-	46.00	-	-	5.00	50.00	M40
M50 x 1.5	silver	-	55.00	-	-	5.00	65.00	M50
M63 x 1.5	silver	-	70.00	-	-	6.00	75.00	M63

Type	Order No.	Pcs./Pkt.
A-INL-M20-S-S	1411249	10
A-INL-M25-S-S	1411250	10
A-INL-M32-S-S	1411251	5
A-INL-M40-S-S	1411252	5
A-INL-M50-S-S	1411253	2
A-INL-M63-S-S	1411254	1

Brass counter nuts, metric, EN 60423, ribbed

– Version: ribbed



Brass counter nut

General data

Material
Ambient temperature (operation)

Technical data

Brass, nickel-plated
-70°C ... 220°C

Ordering data

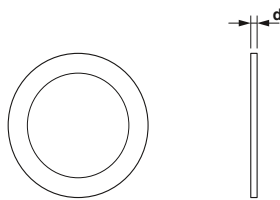
Thread type	Color	Clamping area [mm]	Dimensions [mm]					Thread
			a	b	c	d	e	
M12 x 1.5	silver	-	15.00	-	-	4.70	16.50	M12
M16 x 1.5	silver	-	19.00	-	-	4.70	21.00	M16
M20 x 1.5	silver	-	24.00	-	-	4.70	27.00	M20
M25 x 1.5	silver	-	30.00	-	-	5.20	33.50	M25
M32 x 1.5	silver	-	36.00	-	-	5.70	40.00	M32
M40 x 1.5	silver	-	46.00	-	-	6.50	50.00	M40
M50 x 1.5	silver	-	60.00	-	-	6.50	65.00	M50
M63 x 1.5	silver	-	70.00	-	-	7.00	75.00	M63

Type	Order No.	Pcs./Pkt.
A-INLE-M12-N-S	1411267	100
A-INLE-M16-N-S	1411268	100
A-INLE-M20-N-S	1411269	100
A-INLE-M25-N-S	1411270	50
A-INLE-M32-N-S	1411271	50
A-INLE-M40-N-S	1411272	50
A-INLE-M50-N-S	1411273	10
A-INLE-M63-N-S	1411274	10

Installation and mounting material – CABINET add-on

Ex cable glands

Sealing washers, metric



Sealing washer

General data

Material
Ambient temperature (operation)

Technical data

Nylon
-60°C ... 130°C

Ordering data

Thread type	Color	Clamping area [mm]
M20	white	-
M25	white	-
M32	white	-
M40	white	-
M50	white	-
M63	white	-

Dimensions [mm]					Thread
a	b	c	d	e	f
-	-	-	-	-	M20
-	-	-	-	-	M25
-	-	-	-	-	M32
-	-	-	-	-	M40
-	-	-	-	-	M50
-	-	-	-	-	M63

Type	Order No.	Pcs./Pkt.
A-SEW-20-P-W	1411283	20
A-SEW-25-P-W	1411284	20
A-SEW-32-P-W	1411285	20
A-SEW-40-P-W	1411286	20
A-SEW-50-P-W	1411287	10
A-SEW-63-P-W	1411288	10