

**Marking Systems
Tools
Mounting Material
2015 / 2016**

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Marking systems, tools, and mounting material



Terminal blocks

- Terminal blocks



Interface technology and switching devices

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



Sensor/actuator cabling and industrial connectors

- Sensor/actuator cabling
- Cables and lines
- Connectors



Control technology, I/O systems, and automation infrastructure

- Lighting and signaling
- Fieldbus components and systems
- Functional Safety
- HMIs and industrial PCs
- I/O systems
- Industrial Ethernet
- Industrial communication technology
- Software
- Controllers
- Wireless data communication



Surge protection and power supplies

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



PCB connection technology and electronics housing 2013/14

- PCB terminal blocks and PCB connectors
- Electronics housing



Connection technology for field devices 2013/14

- Connectors
- Cables and lines

Find out more with the web code

On some of the catalog pages, you can find our web codes: a number sign followed by a four-digit number combination.



Web code: #1234 (example)

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1. Go to the Phoenix Contact website
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phoenixcontact.net/webcode/#1234

Information on these products can be found in the electronic product catalogs for 2013/14.

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BLUEMARK CLED for printing UniCard
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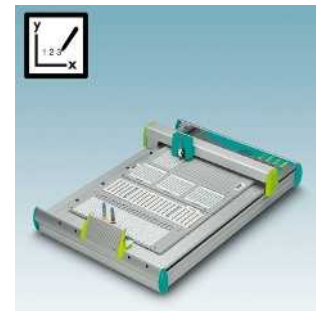
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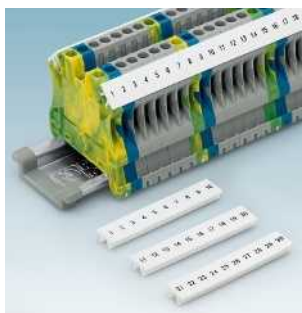
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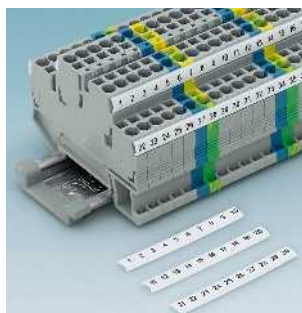
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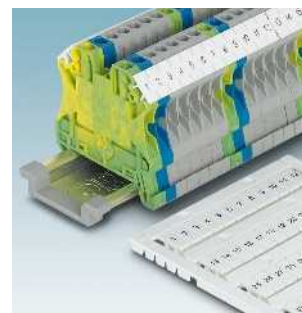
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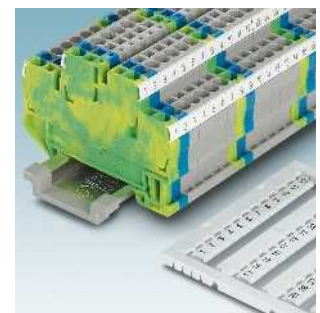
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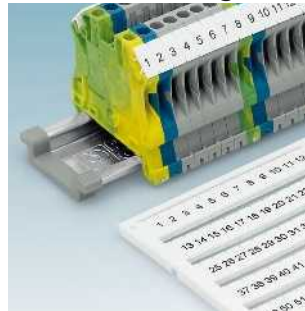
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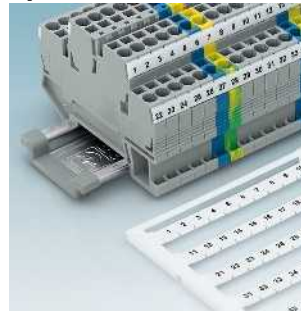
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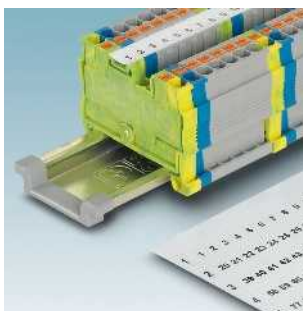
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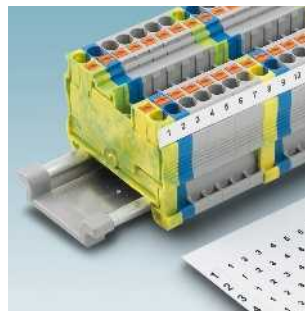
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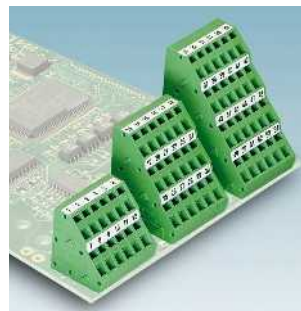
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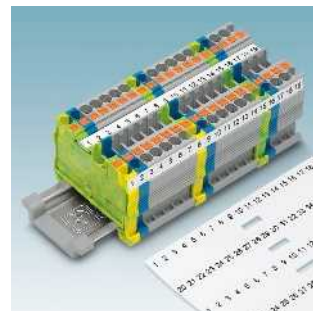
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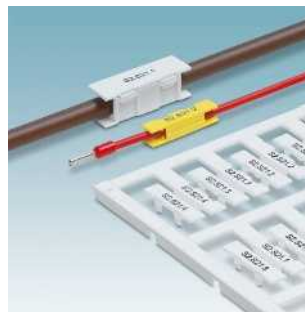
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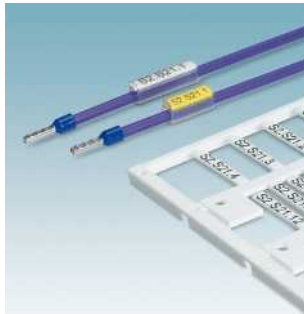


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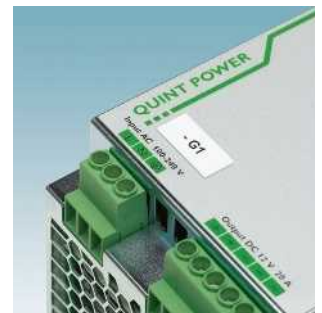
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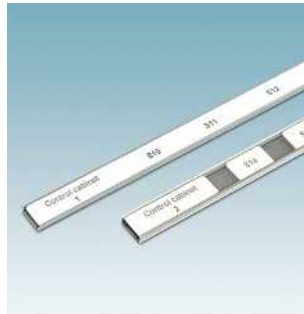
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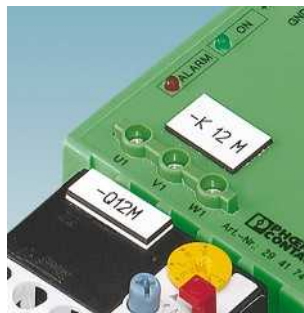
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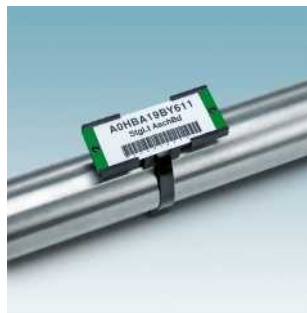


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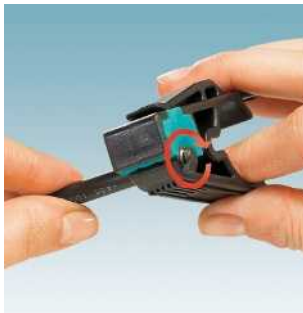
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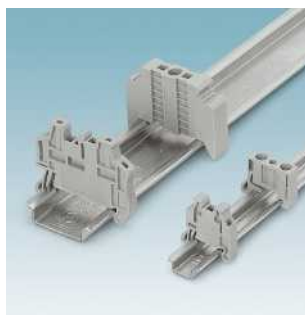
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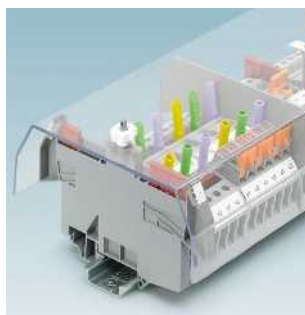
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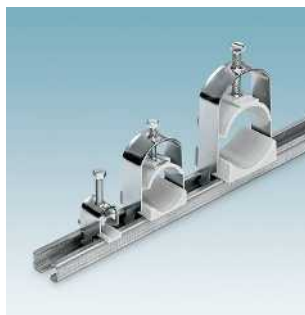
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Mounting material - CABINET add-on



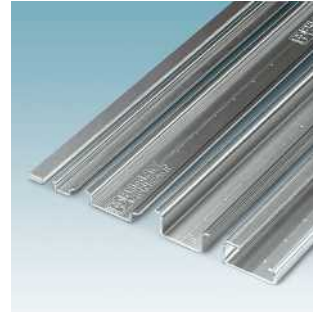
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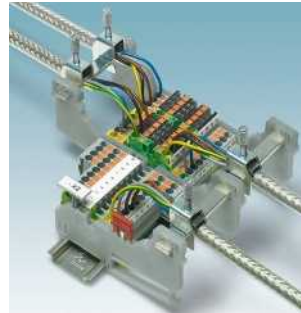
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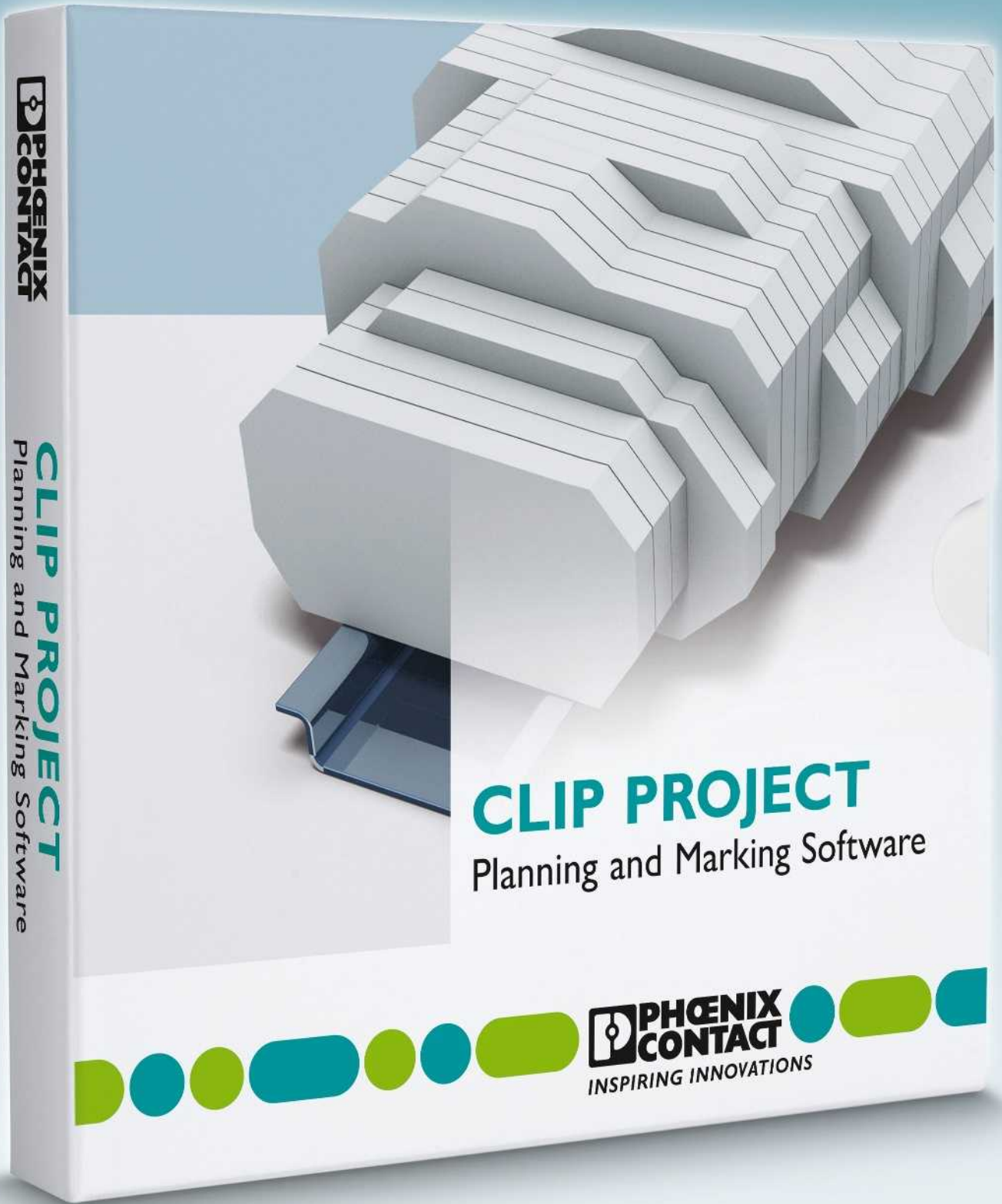
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Cable binders Page 588



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

The CLIP PROJECT Planning and Marking software consists of two modules:

- CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.
- CLIP PROJECT Marking is a powerful piece of software for the creation of individual labels for terminal blocks, cables, lines, devices, and systems.

Thanks to the optimum interaction between the two modules, even in connection with electrical planning systems, the result is an end-to-end process chain: from planning and documentation, right through to the finished terminal strip or the finished marking.

The advanced version, CLIP PROJECT PROFESSIONAL, also features an efficient template designer, which can be used to design custom labels.

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

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

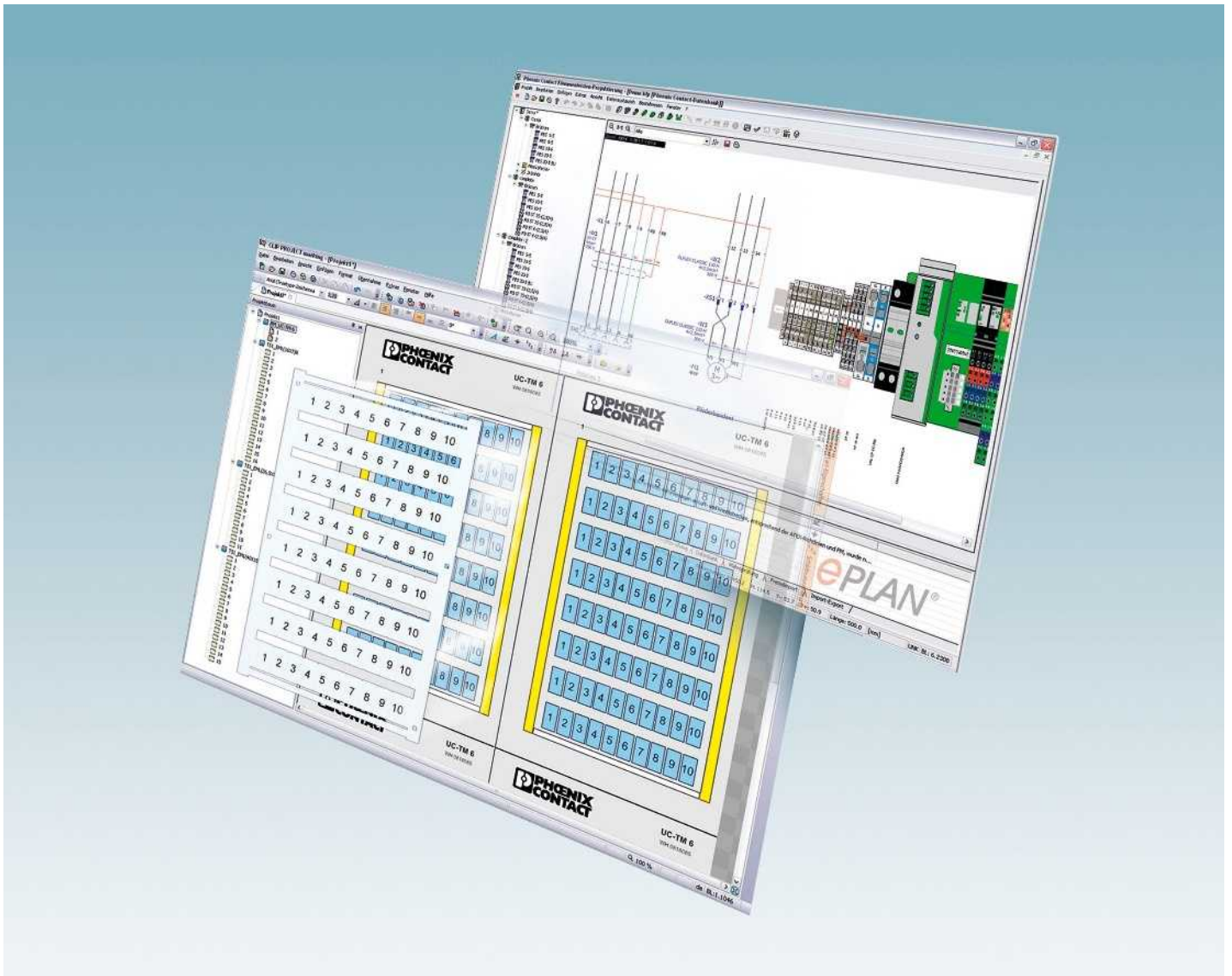
Quickly and easily find the right solution with either the structured search assistant or the integrated product scanner. Thanks to the material editor, you can also create the required markings directly in the application environment.

Expand your THERMOMARK LINE printer with the MINI FD BLUETOOTH Bluetooth USB stick and send your print orders directly and wirelessly (or via USB connection) to the printer from your tablet PC or smartphone.

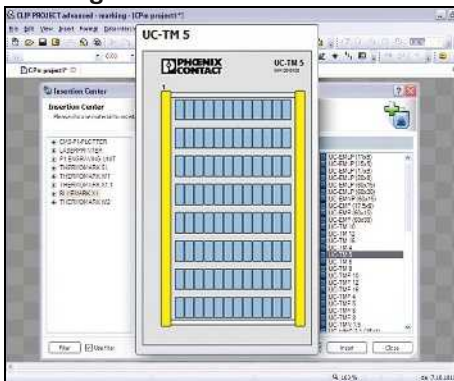
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Marking and labeling - MARKING system

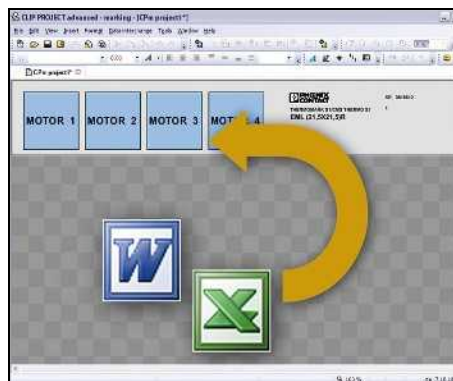
Planning and marking software, customer-specific printing service, and MARKING system app



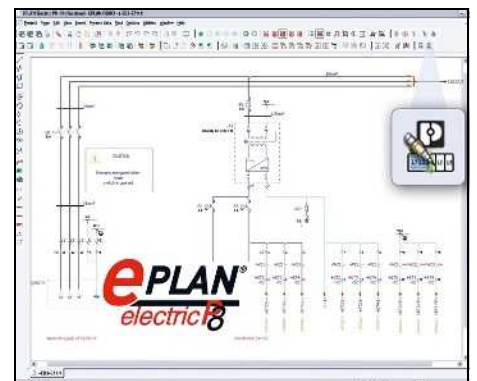
Marking module



During selection, the marking materials are displayed as a preview for rapid product selection.



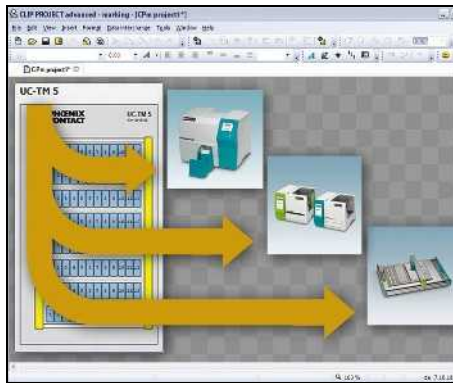
Interfaces to all CAE systems and spreadsheet and text processing programs are provided for the open exchange of data.



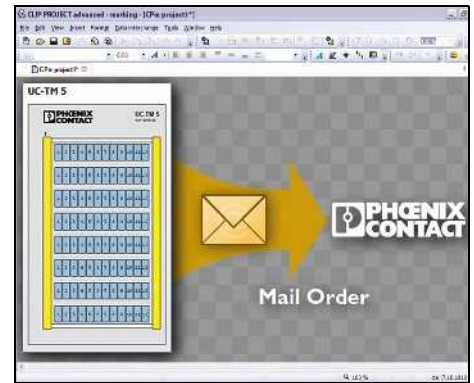
By integrating CLIP PROJECT into EPLAN P8, the marking data for terminal, conductor, and device marking can be automatically taken from the circuit diagram.



The online update immediately provides the user with new products and program extensions for the marking and planning module.

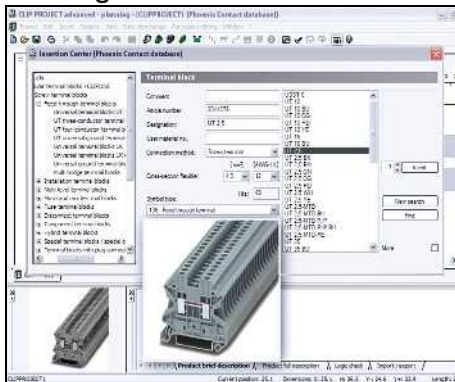


All Phoenix Contact output devices and standard office printers can be easily controlled with just one piece of software.

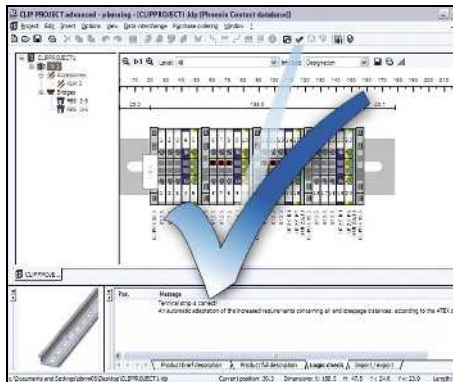


Phoenix Contact provides a marking service. Orders can be placed by e-mail and all items printed and supplied to suit the customer.

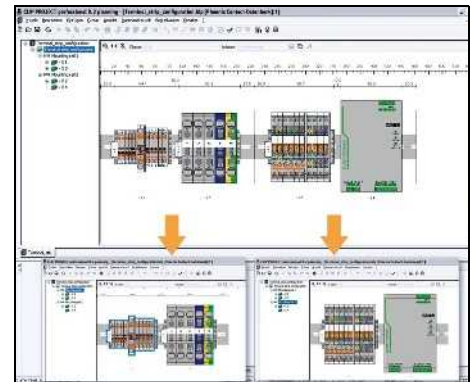
Planning module



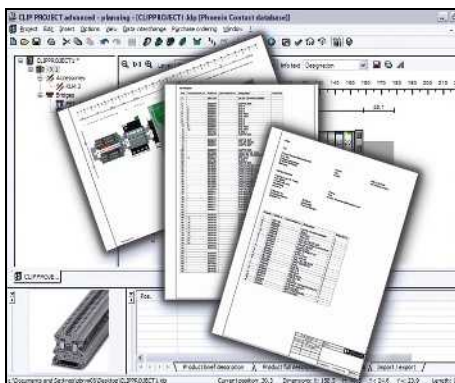
During selection, all Phoenix Contact products which can be fitted on DIN rails are displayed as a preview for rapid product selection.



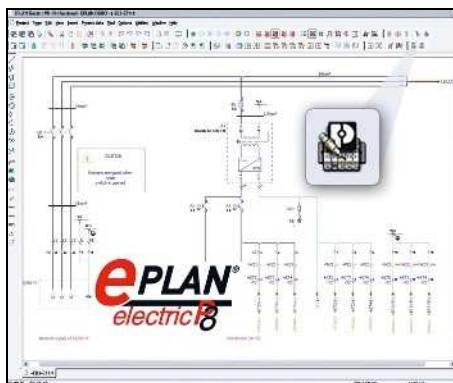
The automatic correction function checks the configured terminal strip and automatically adds any missing accessories. 2D and 3D design data are available at the click of a mouse.



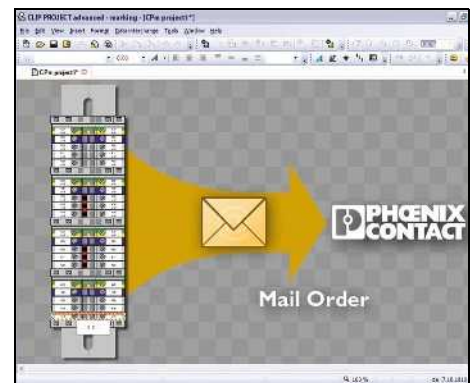
The configured terminal strips can be distributed across several DIN rails in order to determine the exact space requirements for installation.



Complete documentation and an effective 3D preview are available for rapidly and correctly producing the mechanical structure of the terminal strips.



By integrating CLIP PROJECT into EPLAN P8, terminal strips are automatically produced from the circuit diagram in CLIP PROJECT. The product data is written back to the EPLAN parts lists using the two-way interface.



Phoenix Contact provides a terminal strip service. The terminal strips configured to suit your requirements can be ordered using the e-mail function. Phoenix Contact will supply the terminal strips promptly.

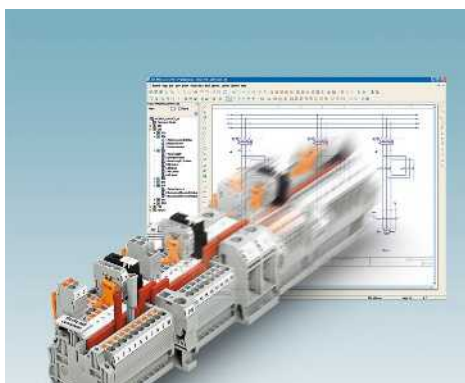
CLIP PROJECT ADVANCED

The CLIP PROJECT ADVANCED program enables the quick planning and configuration of terminal strips for the control cabinet and field as well as custom-marking of terminal blocks, cables and lines, and devices and systems:

- Planning of terminal strips with components of the CLIPLINE, INTERFACE, TRABTECH, and AUTOMATION product ranges
- The automatic correction function performs a logical test of the terminal strips and automatically adds the necessary accessories such as covers and end brackets
- The terminal strip configurator enables the distributed arrangement of individual terminal strips on different DIN rails
- 3D preview and complete documentation of the assembled DIN rails, such as order and mounting lists
- High-performance import of marking information and extensive design options for the custom-marking of terminal blocks, cables, and lines, as well as devices and systems
- Numerous sorting and filter functions for efficient management of your print jobs
- Support for all marking materials and output devices from Phoenix Contact
- Automatic Internet update
- Intuitive Windows® user interface

To reduce engineering costs and improve data quality, CLIP PROJECT ADVANCED supports data exchange with electrical planning systems in both directions:

- With the circuit diagram as the basis, the required products are automatically selected and their complete data written back to the parts lists
- The marking information can be automatically exported and assigned to the desired marking materials
- In order for the marking to be assigned clearly, even in the case of extensive projects, the project structure tree from the CAE system has been adopted in CLIP PROJECT; this also allows the marking to be output to sub-projects



General data

Software interface

System requirements

Operating systems

Description

CLIP PROJECT advanced, planning and marking software, German/English/French/Dutch/Italian/Spanish/Russian/Polish/Hungarian/Czech/Turkish/Portuguese/Chinese and Japanese



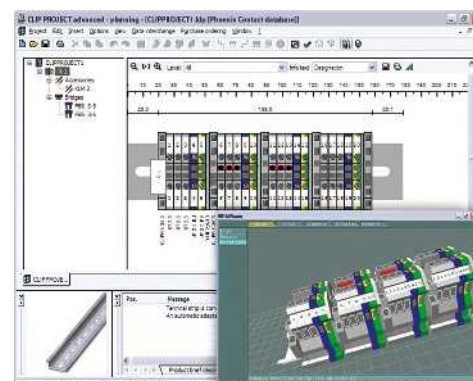
Technical data

EPLAN 5.7
EPLAN Electric P8
AUCOTEC ELCAD
AUCOTEC Engineering Base
AUCOTEC RUPLAN
ZUKEN E³
Bentley Promis-e
WSCAD
IGE XAO
PC-Schematic AUTOMATION
SDProjet SPAC

MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)

Ordering data

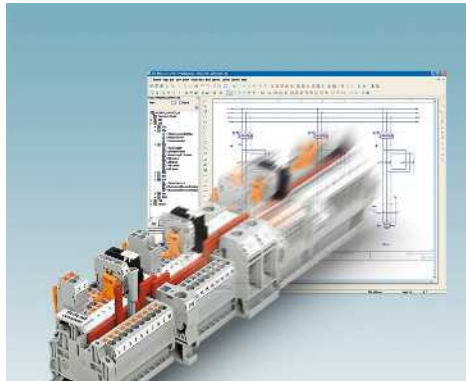
Type	Order No.	Pcs. / Pkt.
CLIP-PROJECT ADVANCED	5146040	1



CLIP PROJECT PROFESSIONAL

The CLIP PROJECT Planning and Marking software is available in both an ADVANCED and PROFESSIONAL version:

- The PROFESSIONAL version also includes an efficient template designer, which can be used to design custom labels and adapt existing material descriptions
- Graphics, various barcode types, and geometric elements such as squares, circles, and lines can be accessed for design work
- Data can also be imported into the templates from various data sources
- Rapid, simple, and flexible adaptation to changing requirements



General data

Software interface

System requirements

Operating systems

Description

CLIP PROJECT professional, planning and marking software, with template designer,
German/English/French/Dutch/Italian/Spanish/Russian/Polish/
Hungarian/Czech/Turkish/Portuguese/Chinese and Japanese

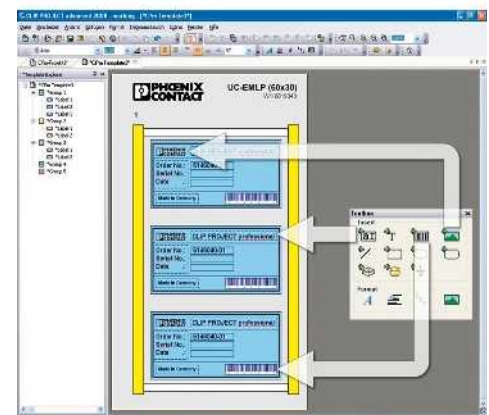
Technical data

EPLAN 5.7
EPLAN Electric P8
AUCOTEC ELCAD
AUCOTEC Engineering Base
AUCOTEC RUPLAN
ZUKEN E³
Bentley Promis-e
WSCAD
IGE XAO
PC-Schematic AUTOMATION
SDProget SPAC

MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)

Ordering data

Type	Order No.	Pcs. / Pkt.
CLIP-PROJECT PROFESSIONAL	5146053	1





Easy ordering process via CLIP PROJECT and e-mail

You can create customer-specific marking quickly and easily via CLIP PROJECT and order via e-mail.



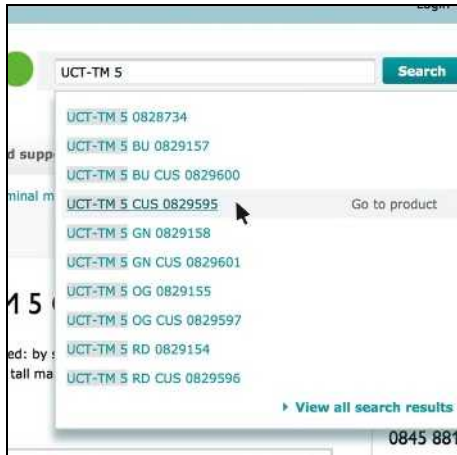
New: color-printed marking solutions

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



We create marking materials according to your requirements

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



Special marking orders, step 1

All marking materials are available on our website for your custom printing. Simply search for the required item on our website and select the material with the ending ...CUS.

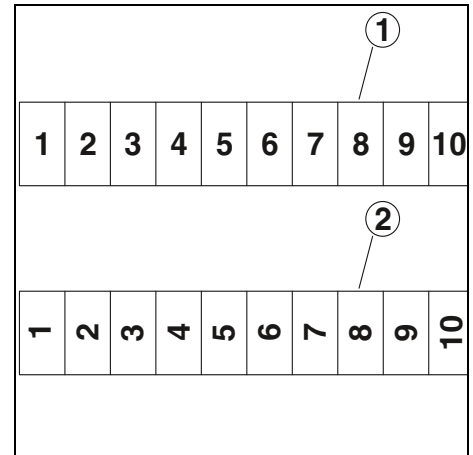


Special marking orders, step 2

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

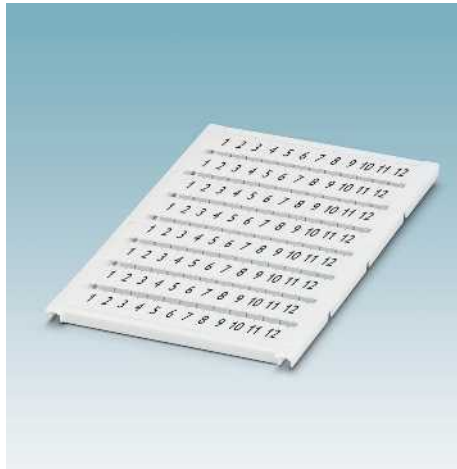
Tasks required:

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



Special marking orders, step 3

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



Individually marked according to customer requirements:

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

Find out more with the web code

Detailed information on these products can be found on our website.

#0289

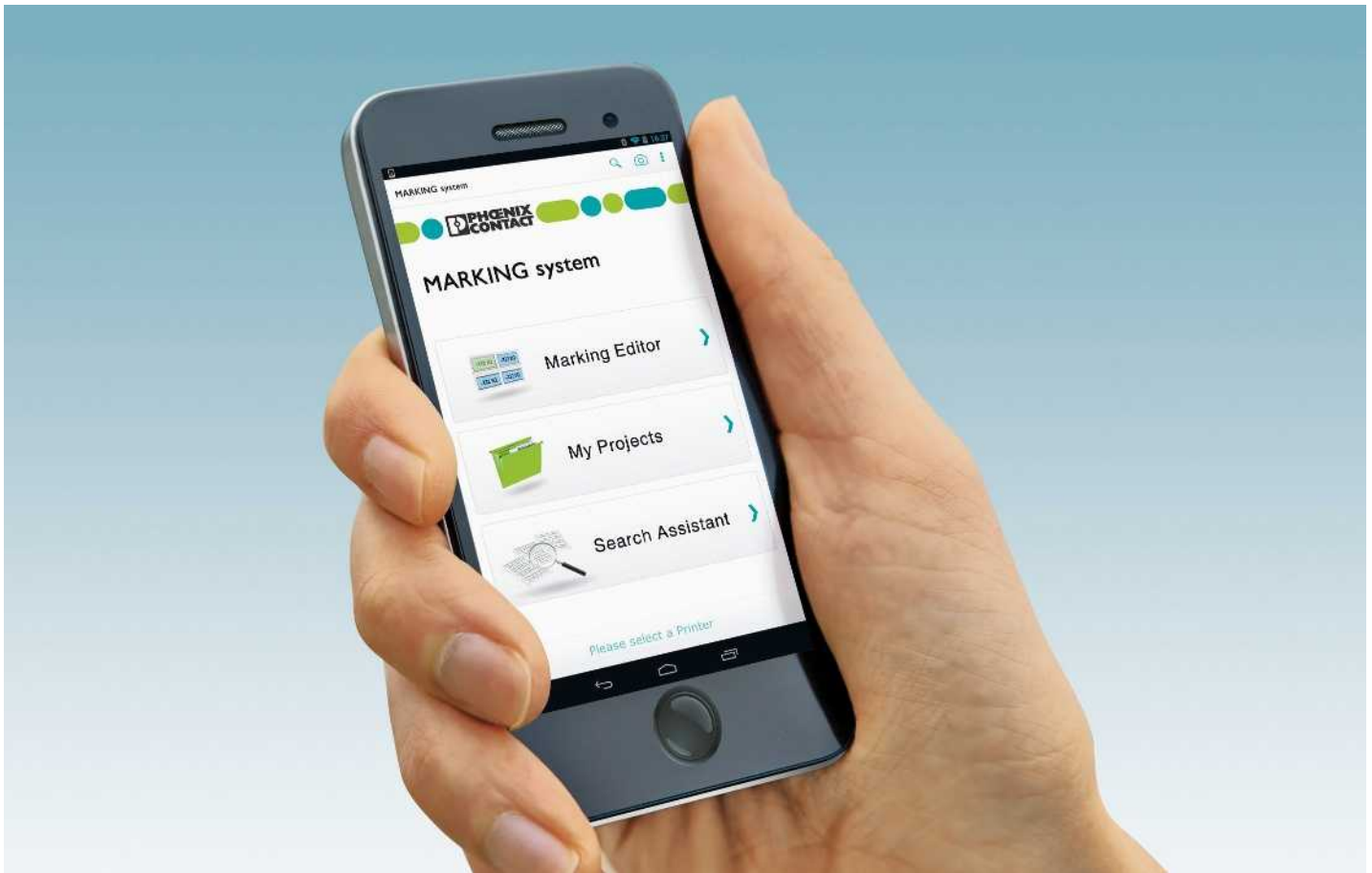
Search

Simply enter # and numbers in the search field.



Marking and labeling - MARKING system

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



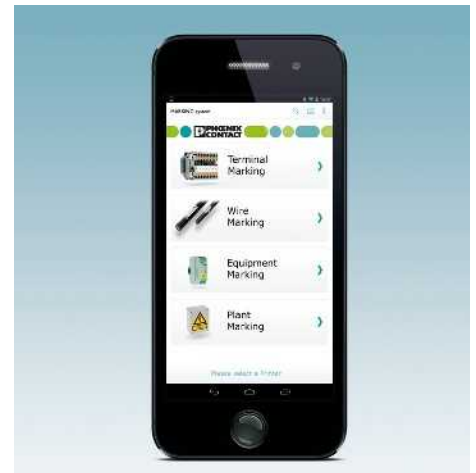
Marking editor

The marking editor allows you to create the required markings directly in the application environment via tablet PC or smartphone.



Product scanner

The product scanner allows you to quickly and easily call up technical data for the marking material or directly mark it via the material editor.



Search assistant

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

MARKING system app and MINI FD BLUETOOTH



You can retrofit your THERMOMARK LINE printer with MINI FD BLUETOOTH. MINI FD BLUETOOTH enables reliable wireless data exchange between THERMOMARK LINE printers and mobile, Bluetooth-capable devices, such as smartphones and tablet PCs. This means that print orders can be conveniently sent to the printer using the MARKING system app.

Functions of the MARKING system app:

- Material editor for mobile marking of marking materials
- Product scanner for calling up appropriate marking solutions quickly and conveniently
- Search assistant for searching for marking materials quickly and easily – even without knowledge of this field
- My projects: manage the projects you have created in a structured and clear manner
- List of saved items: save the required number of your desired item along with a short description for traceability
- Favorites: save frequently used marking materials
- Easily set the right print parameters from your tablet PC or smartphone

Notes:

For further information on the THERMOMARK LINE printers, please refer to the product area on our website at phoenixcontact.net/products.



General data

Application	USB/Bluetooth
Transmission speed	3 [Mbps]

Description

Bluetooth USB adapter

Thermal transfer printer for cards, incl. European power cable, US power cable, USB cable, DVD with CLIP PROJECT ADVANCED, CD with multilingual user manual/driver/firmware, DIN A5 printed English/German user manual, magazine for UCT-TM materials, one unit pack UCT-TM 6, one unit pack US-EMLP (85,6x54), one ink ribbon (50-meter sample roll)

Thermal transfer printer for material off the roll, including European power cable, US power cable, USB cable, DVD with CLIP PROJECT ADVANCED, CD with multilingual user manual/driver/firmware, A5 printed English/German user manual, one roll of EML (20x8) labels containing 1000 labels, one ink ribbon (50 meters)

Thermal transfer printer, incl. connecting cable, Windows® printer driver and operating instructions, software

Technical data

USB/Bluetooth
3

Ordering data

Type	Order No.	Pcs. / Pkt.
MINI FD BLUETOOTH	0830986	1

Accessories

THERMOMARK CARD	5146464	1
THERMOMARK ROLL	5146477	1
THERMOMARK ROLL X1	5146723	1
THERMOMARK X1.2	5146231	1



Marking systems - MARKING system

The right printer for every application. We can provide a wide range of marking systems for your terminal, conductor, cable, and device marking requirements. TOPMARK LASER provides permanent and resistant marking in an industrial environment and is easy to use without special laser knowledge. The BLUEMARK CLED high-speed printer with innovative UV technology prints materials quickly and easily in UniCard format as well as aluminum markers.

The printers in the THERMOMARK series are renowned for their proven maintenance-free printing method and maximum user-friendliness. They can be used to print markers in a variety of materials and print formats, as well as labels and shrink sleeves, in outstanding quality.

Product range overview

Marking systems	26
TOPMARK LASER	28
BLUEMARK CLED	30
THERMOMARK CARD	32
THERMOMARK ROLL	36
THERMOMARK ROLL X1	37
MARKING BOX	38
THERMOMARK CARD SET and ROLL SET	39
THERMOMARK X1.2	40
THERMOMARK W2	41
CMS-P1-PLOTTER	42
CMS-P1-PLOTTER engraving unit	43
Overview of marking material - printers	48
Which printer prints which marking	



Phoenix Contact is an expert partner for control cabinet and system engineering. In this context, we aim to supplement our products with services, hardware, and software to make the planning and production of systems as efficient as possible.

MARKING system from Phoenix Contact represents an integrated marking system from planning right through to the finished printed label. In addition to the wide range of marking materials, the marking range also includes the CLIP PROJECT software as well as various printers.

The data required for marking is sent to the printers by the CLIP PROJECT planning software, which is supplied as standard. This controls the printers and facilitates the creation of marking data by allowing data to be imported directly from circuit diagrams.

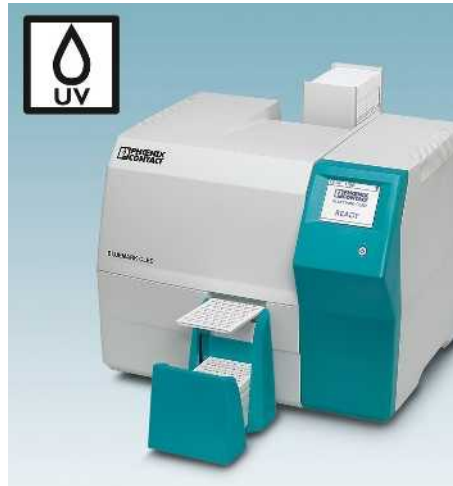
Phoenix Contact provides a variety of printing systems:

- TOPMARK LASER, laser marker for marking laser and UCT material
- BLUEMARK CLED, high-speed printer with UV technology for marking UniCard formats and aluminum markers
- THERMOMARK CARD, thermal transfer printer for marking UniCard and UniSheet formats
- THERMOMARK ROLL, thermal transfer printer for marking material off the roll and continuous media
- THERMOMARK ROLL X1, thermal transfer printer for large quantities
- THERMOMARK W2, thermal transfer printer for double-sided marking and perforation of continuous shrink sleeves
- CMS-P1-PLOTTER and P1 ENGRAVING UNIT to extend plotters for engraving

A comprehensive range of materials for marking terminal blocks, conductors, cables, and devices is available for each of the printing systems provided. As a result, each printing system represents a self-contained solution capable of performing all marking tasks in and around the control cabinet. To ensure that you benefit from consistently high levels of marking quality, all the materials offered are tailored to the devices concerned and undergo extensive testing.



The TOPMARK laser marking system provides you with the flexibility to implement the requirements of challenging industrial identification. With modern laser technology you can create permanent, durable markings with ease - preset parameters eliminate the need for special laser knowledge.



BLUEMARK CLED uses the latest UV technology for marking. This makes the markers instantly wipe-resistant and ready for immediate use. The fast printing technology enables 14,000 labels to be processed per hour. Thanks to the LED technology, the printer does not require a warm-up time, is environmentally friendly, and is also very quiet.



The new THERMOMARK CARD thermal transfer printer can be used to print marking materials supplied in card format. It provides you a really easy way to produce terminal, conductor, cable, and device markings of incredibly high quality. The low weight and compact design of the new printer mean that it can also be used as a portable solution wherever it is needed.



The THERMOMARK ROLL thermal transfer printer has been designed for printing material off the roll and continuous media. You can easily create high-quality printed labels, markers, and shrink sleeves. The compact printer is also suitable for mobile use. The THERMOMARK ROLL X1 is particularly suitable for marking in large quantities.



The THERMOMARK W2 has been specially developed for the double-sided printing and perforation of continuous WMS shrink sleeves. Double-sided marking ensures optimum legibility on conductors and cables. The special construction of the guide elements ensures easy handling when inserting the sleeve.



Apart from label strips and UniCard materials, the CMS-P1-PLOTTER can also be used to label sheet materials. Its integrated pen station facilitates handling and helps prevent the pens from drying out. The CMS-P1-PLOTTER can be converted into an engraving unit quickly and easily by swapping the plotter head for the engraving device.

Marking systems

TOPMARK LASER set, desktop laser marker including extraction unit and notebook



Direct laser marking

Integration in the Planning and Marking Software makes the TOPMARK LASER the fastest desktop laser marker in its class - and the easiest to use. You can now mark all materials without special knowledge of laser technology.

- Wide range of materials comprising stainless steel, aluminum, ABS, polyacrylics, and polycarbonate
- Preset optimized laser parameters are available for all material types
- Automatic material detection with the UCT cards enables fast and effective marking
- Permanent markings are created using engraving marking, annealing marking or carbonizing the material

Dimensions	
	[mm]
General data	
Temperature range	[°C]
Marking method	
Laser system	
Laser class	
Interfaces	
Power supply	[V]
Weight	[kg]
Operating systems	
Power consumption	[W]
CW laser power (continuous wave)	[W]

Technical data		
Width	Length	Height
664	666	736

5 ... 40
Direct laser marking
Ytterbium fiber laser, pulsed, 1064 nm
Laser class 1 according to EN 60825-1 classification
10/100 Mbps Ethernet
100 ... 240
105
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)
450
20

Description	Color
Laser marker and MARKING NOTEBOOK , incl. CLIP PROJECT professional software and installed drivers, user manual, sheet hopper, card hopper and 230 V extraction unit	
With German operating system and German keyboard	

Ordering data		
Type	Order No.	Pcs. / Pkt.
TOPMARK LASER	0831831	1

Accessories	
Carriage , for accommodating TOPMARK LASER, extraction unit, and MARKING NOTEBOOK	
Sheet hopper , for TOPMARK LASER	
Magazine for the TOPMARK LASER , for accommodating UCT material automatically	
Magazine for the TOPMARK LASER , for accommodating UCT material manually	
Extraction unit: 230 V 120 V	
Pre-filter pad , for replacement	
HEPA filter , for replacement	
Activated carbon filter , for replacement	
USB stick , for software control of the TOPMARK LASER	
MP-TEC fine particle filter , for replacement	
Suction tube , for replacement, length: 2.5 m	
Connecting cable , for replacement	

Accessories		
	Order No.	Pcs. / Pkt.
TOPMARK LASER STATION	0831835	1
TOPMARK LASER-MAG SHEET	0831836	1
TOPMARK LASER-MAG UCT-A	0803141	1
TOPMARK LASER-MAG UCT-M	0803143	1
TOPMARK LASER EXTRACTION 230V	0803302	1
TOPMARK LASER EXTRACTION 120V	0803327	1
TOPMARK LASER PRE FILTER SET	0803303	1
TOPMARK LASER HEPA FILTER	0803305	1
TOPMARK LASER CARBON FILTER	0803306	1
TOPMARK LASER FD	0803307	1
TOPMARK LASER MP-TEC FILTER	0803308	1
TOPMARK LASER TUBE	0803309	1
TOPMARK LASER CLEANING NOZZLE	0803310	1



TOPMARK LASER set, desktop laser marker including extraction unit and notebook



Direct laser marking



new

The TOPMARK LASER marking system provides you with the flexibility to implement the requirements of challenging industrial identification.

- Includes the TOPMARK LASER laser marking system, for all materials in UniCard (UCT) card format as well as the laser sheets, with applied metals and plastic materials
- Includes an extraction unit 230 V, US version 120 V
- Includes a powerful notebook with pre-installed CLIP PROJECT configuration and marking software
- Comes in the relevant language versions according to the country-specific versions

Dimensions	
	[mm]
General data	
Temperature range	[°C]
Marking method	
Laser system	
Laser class	
Interfaces	
Power supply	[V]
Weight	[kg]
Operating systems	
Power consumption	[W]
CW laser power (continuous wave)	[W]

Technical data		
Width	Length	Height
664	630	682
5 ... 40		
Direct laser marking		
Ytterbium fiber laser, pulsed, 1064 nm		
Laser class 1 according to EN 60825-1 classification		
-		
100 ... 240		
105		
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)		
450		
20		

Description	Color
Laser marker and MARKING NOTEBOOK , incl. CLIP PROJECT professional software and installed drivers, user manual, sheet hopper, card hopper and 230 V extraction unit	
with German operating system and Swiss keyboard	
with Russian operating system and Russian keyboard	
with Swedish operating system and Swedish keyboard	
with Danish operating system and Danish keyboard	
with Chinese operating system and US international keyboard	
with Polish operating system and US international keyboard	
with French operating system and French keyboard	
with Italian operating system and Italian keyboard	
with Spanish operating system and Spanish keyboard	
with Portuguese operating system and Portuguese keyboard	
with English operating system and Belgian keyboard	
with English operating system and US international keyboard	
with English operating system and US international keyboard	
with Hungarian operating system and Hungarian keyboard	

Ordering data		
Type	Order No.	Pcs. / Pkt.
TOPMARK LASER DE CH	0803285	1
TOPMARK LASER RU RU	0803286	1
TOPMARK LASER SE SE	0803287	1
TOPMARK LASER DK DK	0803288	1
TOPMARK LASER CN US	0803289	1
TOPMARK LASER PL US	0803290	1
TOPMARK LASER FR FR	0803291	1
TOPMARK LASER IT IT	0803292	1
TOPMARK LASER ES ES	0803293	1
TOPMARK LASER PT PT	0803295	1
TOPMARK LASER EN BE	0803296	1
TOPMARK LASER US	0803297	1
TOPMARK LASER EN	0803298	1
TOPMARK LASER HU HU	0803299	1

BLUEMARK CLED



MARKING system

The new BLUEMARK CLED makes marking standardized UniCard material for terminal blocks, conductors, and device marking as easy as printing on paper. The printer receives marking data directly from your CAE system via the CLIP PROJECT central planning and marking software.

Simple operation

- Order-specific printing, thanks to large exchangeable magazine for up to 40 marker sheets
- Printing can be rotated by 180° as required, thanks to automatic material detection
- The front feed enables individual sheets to be marked regardless of how the magazine is assembled



Easy operation

- Thanks to large color touch screen
- Direct entry of data and commands
- Clear symbols and plain text messages
- Ready to print as soon as device is switched on
- Language selection via touchscreen menu



CLED – compact UV LED printing technology

Printing fluid is exposed to UV light which is the basis of our quick-dry printing concept. This light is generated with high intensity using 24 LEDs on a surface of 1 cm².

- Excellent printing quality
- No drying time
- High wipe and abrasion resistance
- Excellent resistance to chemicals
- Environmentally friendly, as solvent-free system



UV LED technology

Dimensions	
	[mm]
General data	
Temperature range	[°C]
Print method	
Volume	
Pressure capacity	
Interfaces	
Power supply	[V]
Weight	[kg]
Operating systems	
Power consumption	[W]

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

Printer with solvent-free LED UV technology, including CLIP PROJECT advanced software, collection container for 20 sheets, CD with multilingual user manual, English/German user manual, driver and firmware, European and US power cable, USB cable

Set, consisting of: 1 x BLUEMARK CLED, Order No. 5147999, 1 x MARKING NOTEBOOK, CLIP-PROJECT PROFESSIONAL

With German operating system and German keyboard

With English operating system and English keyboard

Accommodating box, in conjunction with the BLUEMARK CLED-MAG 40, for accommodating 90 UC or UCT sheets

Fluid cartridge, replacement, 20 ml printing fluid, black

Exchangeable magazine,

For accommodating 20 UC or UCT sheets

For accommodating 40 UC or UCT sheets

Magazine for the BLUEMARK printer, for accommodating UM materials

Compartment

For accommodating 20 UC or UCT sheets

Transport case, with aluminum edges, for printer and accessories

Magazines for marking aluminum markers

Notes:

An application video can be found in the download area for the relevant product on our website at phenixcontact.net/products.



Printers



Printing set for cards



Accommodating box

ERC

ERC

Technical data		
Width	Length	Height
480	500	330
5 ... 35		
UV LED technology		
20 ml		
Approx. 14,000 markers/h (UC-TMF 4 with 2 characters/marker)		
10/100 Mbps Ethernet / USB 2.0		
100 ... 240 / 50 Hz ... 60 Hz		
16		
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)		
74		

Technical data		
Width	Length	Height
480	500	330
5 ... 35		
UV LED technology		
20 ml		
Approx. 14,000 markers/h (UC-TMF 4 with 2 characters/marker)		
10/100 Mbps Ethernet		
100 ... 240 / 50 Hz ... 60 Hz		
16		
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)		
74		

Technical data		
Width	Length	Height
400	470	160
-		
-		
-		
-		
-		
-		

Ordering data		
Type	Order No.	Pcs. / Pkt.
BLUEMARK CLED	5147999	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
BLUEMARK CLED SET	5147400	1
BLUEMARK CLED SET EN	5147401	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
BLUEMARK CLED-BASE	5146669	1

Accessories		
BLUEMARK CLED-FLUID-CARTR.	5146662	1
BLUEMARK CLED-MAG 20	5146655	1
BLUEMARK CLED-MAG 40	5146668	1
BLUEMARK MAG UM-TM	0803335	1
BLUEMARK CLED-STACKER 20	5146656	1
BLUEMARK CLED CASE	5146725	1
See page 160		

Accessories		
BLUEMARK CLED-FLUID-CARTR.	5146662	1
BLUEMARK CLED-MAG 20	5146655	1
BLUEMARK CLED-MAG 40	5146668	1
BLUEMARK MAG UM-TM	0803335	1
BLUEMARK CLED-STACKER 20	5146656	1
BLUEMARK CLED CASE	5146725	1
See page 160		

Accessories		

Marking systems

THERMOMARK CARD, thermal transfer printer for sheet materials and cards



Thermal transfer for sheets and cards



- The THERMOMARK CARD can print markers supplied in card format for cable, device, and system marking applications
- For all UniCard (UCT) and UniSheet (US) materials
- Maintenance-free operation with tried-and-tested thermal transfer printing technology
- High-quality, fast marking. Printing time for one UniCard: just 8 seconds
- Easy operating concept based on straightforward touchscreen entry
- USB and Ethernet connections
- Easy to control with the CLIP PROJECT software

Notes:

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.

Dimensions	
	[mm]
General data	
Temperature range	[°C]
Print resolution	[dpi]
Max. print width	[mm]
Interfaces	
Power supply	[V]
Weight	[kg]
Operating systems	

Description	Color
Thermal transfer printer for cards, incl. European power cable, US power cable, USB cable, DVD with CLIP PROJECT ADVANCED, CD with multilingual user manual/driver/firmware, DIN A5 printed English/German user manual, magazine for UCT-TM materials, magazine for US materials, one unit pack UCT-TM 6, one unit pack US-EMLP (85,6x54), one ink ribbon (50-meter sample roll)	gray

Transport case	
Ink ribbon, length: 300 m, width: 110 mm	black
Ink ribbon, specially for US-PML..., US-EMLF..., Length: 240 m, width: 110 mm	white

CCC ENEC CB

Technical data

Width	Length	Height
253	320	189
5 ... 35	300 dpi	104
10/100 Mbps Ethernet / USB 2.0	100 ... 240 / 50 Hz ... 60 Hz	6
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)		

Ordering data

Type	Order No.	Pcs. / Pkt.
THERMOMARK CARD	5146464	1

Accessories

TL CASE	Order No.	Pcs. / Pkt.
THERMOMARK-RIBBON 110-TC	0801371	1
TM-RIBBON 110-TC/TR WH	1014402	1

Magazine for THERMOMARK CARD



Thermal transfer for sheets
and cards



- Robust magazines for UniCard marking material
- The format automatically ensures printing with a high level of positional accuracy
- Even compatible with marking sheets that have already been started

Description	Ordering data		
	Type	Order No.	Pcs. / Pkt.
Magazine , for THERMOMARK CARD ... for accommodating: UCT-TM ..., UCT1-TM ..., UCT5-TM ..., UCT-EM (5X10), UCT-EM (6X10)	THERMOMARK CARD-UCT-MAG1	5146480	1
Magazine , for THERMOMARK CARD ..., for accommodating: UCT-TMF ...	THERMOMARK CARD-UCT-MAG2	5146563	1
Magazine , for THERMOMARK CARD ..., for accommodating: UCT-WMS ...	THERMOMARK CARD-UCT-MAG3	5146613	1
Plastic magazine , for THERMOMARK CARD ..., for accommodating: UCT1-TMF...	THERMOMARK CARD-UCT-MAG4	5146614	1
Plastic magazine , for THERMOMARK CARD ..., for accommodating: UCT2-TM ...	THERMOMARK CARD-UCT-MAG5	5146615	1
Magazine , for THERMOMARK CARD ..., for accommodating: UCT3-TM ...	THERMOMARK CARD-UCT-MAG6	5146616	1
Magazine , for THERMOMARK CARD ..., for accommodating UCT-WMT ... sheets, UCT-EM (17X10)	THERMOMARK CARD-UCT-MAG7	0801734	1
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (17,5X8), UCT-EM (20X7), UCT-EM (15X10) for accommodating UCT-EM (12X3.3), UCT-EM (12X6)	THERMOMARK CARD-UCT-MAG8	0801735	1
for accommodating UCT-EM (17X10) and (20X8)	THERMOMARK CARD-UCT-MAG9	0801736	1
	THERMOMARK CARD-UCT-MAG10	0801737	1
	THERMOMARK CARD-UCT-MAG11	0801738	1
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (10X8), UCT-EM (12X7)	THERMOMARK CARD-UCT-MAG12	0830399	1
for accommodating UCT-EM (10X5) for accommodating UCT-EM (21X8) and UCT EM (17X8)	THERMOMARK CARD-UCT-MAG13	0830400	1
	THERMOMARK CARD-UCT-MAG14	0830401	1
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (20 x 9) for accommodating UCT-EM (17 x 9) for accommodating UCT-EM (18 x 8)	THERMOMARK CARD-UCT-MAG15	0830402	1
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (17,5X7,5) for accommodating UCT-EM (10 x 7), UCT-WMTB (29 x 8)	THERMOMARK CARD-UCT-MAG16	0830403	1
	THERMOMARK CARD-UCT-MAG17	0830404	1
for accommodating UCT-EM (17,5X9)	THERMOMARK CARD-UCT-MAG18	0830405	1
Magazine , for THERMOMARK CARD ... for accommodating UCT6M-TM ... for accommodating UCT6R-TM ...	THERMOMARK CARD-UCT-MAG20	0830751	1
Magazine , for THERMOMARK CARD ..., for accommodating: UCT-WMCO ... (12 x 4)	THERMOMARK CARD-UCT-MAG22	0830771	1
	THERMOMARK CARD-UCT-MAG23	0830808	1
	THERMOMARK CARD-UCT-MAG24	0830809	1
	THERMOMARK CARD-UCT-MAG25	0802935	1
for accommodating UCT-EMP ... for accommodating: UCT-WMTBA ...	THERMOMARK CARD-UCT-MAG26	0802988	1
Magazine for the THERMOMARK CARD printer, for accommodating: UCT sheets (UCT-WMCO...(18 x 4))	THERMOMARK CARD-UCT-MAG27	0802989	1
	THERMOMARK CARD-UCT-MAG28	0803205	1

Magazine for THERMOMARK CARD



Thermal transfer for sheets and cards



- Robust magazine for UniSheet marking material
- The format automatically ensures printing with a high level of positional accuracy
- Even compatible with marking sheets that have already been started

Description
Magazine , for THERMOMARK CARD..., for accommodating all US-materials

Ordering data		
Type	Order No.	Pcs. / Pkt.
THERMOMARK CARD-US-MAG1	5146451	1

Magazine for THERMOMARK CARD

new



Thermal transfer for sheets and cards



- Robust magazine for universal material
- For accommodating up to 4 double strips per magazine
- The format automatically ensures printing with a high level of positional accuracy
- Marking strips that have already been started can also be used

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

Marking systems

THERMOMARK ROLL, thermal transfer printer for material off the roll



Thermal transfer for rolls



- The THERMOMARK ROLL can print markers supplied on rolls in the context of terminal, conductor, cable, and device marking applications
- For all labels and shrink sleeves
- Maintenance-free operation with tried-and-tested thermal transfer printing technology
- High-quality, fast marking
- Easy operating concept based on straightforward touchscreen entry
- USB and Ethernet connections
- Easy to control with the CLIP PROJECT software

Notes:

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.

CCC ENEC CB

Technical data

Dimensions		Width	Length	Height
		[mm]		
		253	320	189
General data				
Temperature range	[°C]	5 ... 40		
Print resolution	[dpi]	300 dpi		
Max. print width	[mm]	104		
Max. printing length	[mm]	1000		
Interfaces		10/100 Mbps Ethernet / USB 2.0		
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz		
Weight	[kg]	4		
Operating systems		MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Thermal transfer printer for material off the roll , including European power cable, US power cable, USB cable, DVD with CLIP PROJECT ADVANCED, CD with multilingual user manual/driver/firmware, A5 printed English/German user manual, one roll of EML (20x8) labels containing 1000 labels, one ink ribbon (50 meters)		THERMOMARK ROLL	5146477	1

Accessories

Cutter , can be retrofitted, for precise cutting of continuous media into required lengths		THERMOMARK ROLL-CUTTER	5146422	1
Cutter , can be retrofitted, for perforating continuous media		THERMOMARK ROLL-CUTTER/P	5146435	1
External media hub , for roll diameters of 150 mm to 400 mm		THERMOMARK ROLL-ERH	5146448	1
External media hub , for roll diameters of up to 500 mm		THERMOMARK-ERH 500	5146309	1
Ink ribbon , length: 300 m, width: 110 mm	black	THERMOMARK-RIBBON 110	5145384	1
	blue	THERMOMARK-RIBBON 110 BU	0829544	1
	green	THERMOMARK-RIBBON 110 GN	0829542	1
	red	THERMOMARK-RIBBON 110 RD	0829543	1
Ink ribbon , specifically for high-temperature labels, EML-HT...	black	THERMOMARK-RIBBON 110-EML-HT	0800342	1
Ink ribbon , specifically for WMS... shrink sleeves, length: 300 m, width: 110 mm	black	THERMOMARK-RIBBON 110-WMSU	0801358	1
	white	THERMOMARK-RIBBON 110-WMSU WH	0801359	1
	black	TM-RIBBON 110-EX	0803211	1
Ink ribbon , specifically for WMS... shrink sleeves, length: 300 m, width: 64 mm	black	THERMOMARK-RIBBON 64-WMSU	0801360	1
	white	THERMOMARK-RIBBON 64-WMSU WH	0801361	1
Ink ribbon , specifically for cable markers for assembly with cable binders, WMTB HF..., length: 300 m, width: 110 mm	black	THERMOMARK-RIBBON 110-WMTB HF	5148007	1
	white	TM-RIBBON 110-WMTB HF WH	0802990	1
Transport case	silver	TL CASE	0800613	1

THERMOMARK ROLL X1, thermal transfer printer for material off the roll



Thermal transfer for rolls

The THERMOMARK ROLL X1 printer is suitable for marking large quantities and provides the following features:

- Accommodates large rolls; inside the printer housing, the label rolls are protected against environmental influences such as dust and dirt
- For all labels and shrink sleeves
- Maintenance-free operation with tried-and-tested thermal transfer printing technology
- High-quality, fast marking
- Easy operating concept based on straightforward touchscreen entry
- USB and Ethernet connections
- Easy to control with the CLIP PROJECT software
- Printing and dispensing labels on request or automatically after removing the label with the THERMOMARK ROLL X1 - DISPENSER

Cutting to length or perforating is easy

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



CCC ENEC CB

Technical data

Dimensions		Width	Length	Height
	[mm]	264	412	245
General data				
Temperature range	[°C]	5 ... 40		
Print resolution	[dpi]	300 dpi		
Max. print width	[mm]	104		
Max. printing length	[mm]	1000		
Interfaces		10/100 Mbps Ethernet / USB 2.0		
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz		
Weight	[kg]	5		
Operating systems		MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Thermal transfer printer for material off the roll, including European power cable, US power cable, USB cable, DVD with CLIP PROJECT ADVANCED, CD with multilingual user manual/driver/firmware, A5 printed English/German user manual, one roll of EML (20x8) labels containing 1000 labels, one ink ribbon (50 meters)	gray	THERMOMARK ROLL X1	5146723	1

Accessories

Description	Color	Type	Order No.	Pcs. / Pkt.
Cutter, can be retrofitted, for precise cutting of continuous media into required lengths		THERMOMARK ROLL X1 CUTTER	5146765	1
Perforation device, can be retrofitted, for perforating and cutting continuous media		THERMOMARK ROLL X1 CUTTER/P	5146766	1
Label dispenser, dispensing device for labels with a height of 10 mm or more		THERMOMARK ROLL X1 -DISPENSER	1014401	1
Ink ribbon, length: 300 m, width: 110 mm	black blue green red	THERMOMARK-RIBBON 110 THERMOMARK-RIBBON 110 BU THERMOMARK-RIBBON 110 GN THERMOMARK-RIBBON 110 RD	5145384 0829544 0829542 0829543	1 1 1 1
Ink ribbon, specifically for high-temperature labels, EML-HT...	black	THERMOMARK-RIBBON 110-EML-HT	0800342	1
Ink ribbon, specifically for WMS... shrink sleeves, length: 300 m, width: 110 mm	black white	THERMOMARK-RIBBON 110-WMSU THERMOMARK-RIBBON 110-WMSU WH	0801358 0801359	1 1
Ink ribbon, specifically for WMS... shrink sleeves, length: 300 m, width: 64 mm	black white	THERMOMARK-RIBBON 64-WMSU THERMOMARK-RIBBON 64-WMSU WH	0801360 0801361	1 1
Ink ribbon, specifically for cable markers for assembly with cable binders, WMTB HF..., length: 300 m, width: 110 mm	black	THERMOMARK-RIBBON 110-WMTB HF	5148007	1
Ink ribbon, length: 300 m, width: 110 mm, color: black	black	TM-RIBBON 110-EX	0803211	1
Transport case	silver	THERMOMARK ROLL X1-CASE	5146724	1

Marking and labeling - MARKING system

Marking systems

THERMOMARK printer sets



Thermal transfer for sheets and cards



Thermal transfer for rolls



Printing set, complete

MARKING BOX is the complete marking system for all terminal, conductor, cable, and device marking applications. It is available for different country-specific keyboards and operating systems.

- Includes the THERMOMARK CARD printer for all materials in the UniCard (UCT) and UniSheet (US) formats
- Includes the THERMOMARK ROLL printer for all labels and shrink sleeves supplied in rolls
- Includes a powerful notebook with pre-installed CLIP PROJECT configuration and marking software, as well as the printer drivers required to enable quick startup without any need for installation and setup work. Plug and print. Simply connect the devices via USB and you're ready to print
- The compact and robust THERMOMARK printers are optimally suited to mobile use on site

Notes:

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.

Description
Set , consisting of: 1 x THERMOMARK CARD, Order No. 5146464, 1 x THERMOMARK ROLL, Order No. 5146477, 1 x MARKING NOTEBOOK, CLIP-PROJECT PROFESSIONAL
German operating system and keyboard
English operating system and US international keyboard
Printing set , consisting of: 1 x THERMOMARK CARD, Order No. 5146464, 1 x MARKING NOTEBOOK, CLIP-PROJECT PROFESSIONAL
German operating system and keyboard
English operating system and US international keyboard
Printing set , consisting of: 1 x THERMOMARK ROLL, Order No. 5146477, 1 x MARKING NOTEBOOK, CLIP-PROJECT PROFESSIONAL
German operating system and keyboard
English operating system and US international keyboard
Versions
German operating system and Swiss keyboard
English operating system and Belgian keyboard
French operating system and keyboard
Spanish operating system and keyboard
Italian operating system and keyboard
Polish operating system and US international keyboard
Hungarian operating system and keyboard
Portuguese operating system and keyboard
Russian operating system and keyboard
Danish operating system and keyboard
Swedish operating system and keyboard

Ordering data

Type	Order No.	Pcs. / Pkt.
MARKING BOX	5147100	1
MARKING BOX EN	5147101	1
MARKING BOX DE CH	0801749	1
MARKING BOX EN BE	0801742	1
MARKING BOX FR FR	0801590	1
MARKING BOX ES ES	0801747	1
MARKING BOX IT IT	0801745	1
MARKING BOX PL US	0801744	1
MARKING BOX HU HU	0801750	1
MARKING BOX PT PT	0801748	1
MARKING BOX RU RU	0801739	1
MARKING BOX DK DK	0801741	1
MARKING BOX SE SE	0801740	1

Accessories

Printer accessories

phoenixcontact.net/products



Accessories	

Accessories	

Marking systems

THERMOMARK X1.2, thermal transfer printer for material off the roll



Thermal transfer for rolls

An important addition to the range is the THERMOMARK X1.2, a top-of-the-line thermal transfer printer with the following key features:

- High print speed
- Print resolution of 300 dpi
- This printer is suitable for marking large quantities and is capable of processing all types of material supplied on rolls
- The easy-to-use centering function for the printing material makes it possible to label continuous media such as shrink sleeves
- High-quality resin-based ink ribbons ensure a form of marking that is resistant to mechanical and chemical effects
- Continuous media can be cut and perforated with a high degree of positional accuracy



Dimensions	
	[mm]
General data	
Temperature range	[°C]
Print resolution	[dpi]
Max. print width	[mm]
Max. printing length	[mm]
Interfaces	
Power supply	[V]
Weight	[kg]
Operating systems	

Description	Color
Thermal transfer printer, incl. connecting cable, Windows® printer driver and operating instructions, software	
	gray

Starter set, complete for THERMOMARK X1.2 consists of: planning and marking software, THERMOMARK X1.2 thermal transfer printer, ink ribbon, roll of labels

Cutter, for THERMOMARK X1...

Perforator

Transport case, with aluminum edges, for printer and accessories

External media hub, for roll diameters of 150 mm to 400 mm

External media hub, for roll diameters of up to 500 mm

Ink ribbon, length: 300 m, width: 110 mm

Ink ribbon, specifically for high-temperature labels, EML-HT...

Ink ribbon, specifically for WMS... shrink sleeves, length: 300 m, width: 110 mm

Ink ribbon, specifically for WMS... shrink sleeves, length: 300 m, width: 64 mm

Ink ribbon, length: 300 m, width: 110 mm, color: black

Ink ribbon, specifically for cable markers for assembly with cable binders, WMTB HF..., length: 300 m, width: 110 mm

ERC



Technical data		
Width	Length	Height
242	446	274

10 ... 35
300 dpi
105
2000
Serial (RS-232) / USB 2.0 / 10/100 Mbps Ethernet

100 ... 240 / 50 Hz ... 60 Hz
10
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)

Ordering data		
Type	Order No.	Pcs. / Pkt.
THERMOMARK X1.2	5146231	1

Accessories		
Type	Order No.	Pcs. / Pkt.
THERMOMARK X1.2-KIT	5146341	1
THERMOMARK X1-CUTTER	5145290	1
THERMOMARK X1-CUTTER/P	5146244	1
THERMOMARK X1-CASE	5145300	1
THERMOMARK ROLL-ERH	5146448	1
THERMOMARK-ERH 500	5146309	1
THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110-EML-HT	0800342	1
THERMOMARK-RIBBON 110-WMSU	0801358	1
THERMOMARK-RIBBON 110-WMSU WH	0801359	1
THERMOMARK-RIBBON 64-WMSU	0801360	1
THERMOMARK-RIBBON 64-WMSU WH	0801361	1
TM-RIBBON 110-EX	0803211	1
THERMOMARK-RIBBON 110-WMTB HF	5148007	1

THERMOMARK W2, thermal transfer printer for continuous shrink sleeve



Thermal transfer for rolls

- The THERMOMARK W2 has been specially developed for the double-sided printing and perforation of continuous WMS shrink sleeves
- Double-sided printing ensures optimum marking legibility
 - The guide elements ensure easy handling when inserting the sleeve
 - The user-friendly interface of the CLIP PROJECT software enables you to enter custom specifications for the marking and marker length
 - Black and white ink ribbons are available to facilitate color marking
 - The printed markers can be easily and quickly separated along the perforations



ERC

Dimensions	
	[mm]
General data	
Temperature range	[°C]
Print resolution	[dpi]
Max. print width	[mm]
Max. printing length	[mm]
Interfaces	
Power supply	[V]
Weight	[kg]
Operating systems	

Technical data		
Width	Length	Height
248	554	405
10 ... 35		
300 dpi		
105.6		
1000		
Serial (RS-232) / USB 2.0 / 10/100 Mbps Ethernet		
100 ... 240 / 50 Hz ... 60 Hz		
21		
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)		

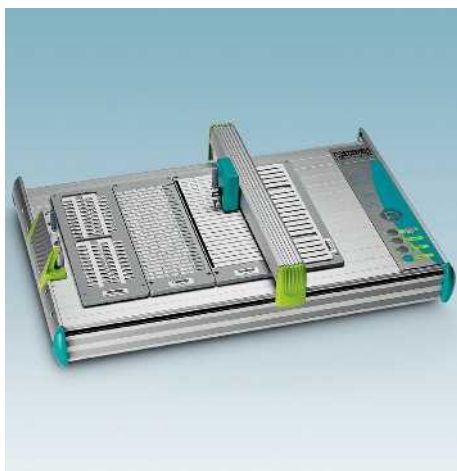
Description	Color
Thermal transfer printer , specially for shrink sleeve marking on both sides, including perforation knife, connecting cable, Windows® printer driver, operating instructions, CLIP PROJECT advanced planning and marking software	
	gray

Ordering data		
Type	Order No.	Pcs. / Pkt.
THERMOMARK W2	5146147	1

External media hub , for roll diameters of 150 mm to 400 mm	
External media hub , for roll diameters of up to 500 mm	
External media hub , for roll diameters of up to 500 mm	
Ink ribbon , specifically for WMS... shrink sleeves, length: 300 m, width: 110 mm	
	black
	white
Ink ribbon , specifically for WMS... shrink sleeves, length: 300 m, width: 64 mm	
	black
	white

Accessories		
THERMOMARK ROLL-ERH	5146448	1
THERMOMARK-ERH 500	5146309	1
THERMOMARK-ERH 500	5146309	1
THERMOMARK-RIBBON 110-WMSU	0801358	1
THERMOMARK-RIBBON 110-WMSU WH	0801359	1
THERMOMARK-RIBBON 64-WMSU	0801360	1
THERMOMARK-RIBBON 64-WMSU WH	0801361	1

CMS-P1-PLOTTER



Plotter



- During long periods of non-use, the plotter pens are stored safely in a pen station
- The pens are removed and deposited automatically
- The pen station of the CMS-P1-PLOTTER prevents the plotter pens from drying out
- An automatic marking preparation function ensures optimum marking results right from the first character
- The plotter is controlled with the CLIP PROJECT software
- The plotter can be connected to the computer quickly and easily via the Centronics or USB interface
- Easily operated with just a few buttons

Dimensions	
	[mm]
General data	
Lettering field size	[mm] 440 x 296 mm
Max. material height	[mm] 10.5
Max. plotting speed	[m/s] 0.4
Interfaces	Parallel (Centronics) / USB 2.0
Input voltage / frequency	[V] 100 ... 240 / 50 Hz ... 60 Hz
Weight	[kg] 8
Operating systems	MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)

Technical data		
Width	Length	Height
440	660	125

Description	Color
Marking plotter , incl. power supply unit, connecting cable (Centronics and USB), CMS-PEN 0,25 pen, manual, planning and marking software, CLIP PROJECT	silver

Ordering data		
Type	Order No.	Pcs. / Pkt.
CMS-P1-PLOTTER	5144615	1

Starter set , consisting of: - CLIP PROJECT, - CMS-P1-PLOTTER, - Magazines for UC-TM, UC-TMF, and UC-EMP, plus marking material - Ink and cleaning set
Transport case for CMS-P1-PLOTTER , rounded profile case with aluminum frame for a complete plotter system
Covering hood for CMS-P1-PLOTTER , flexible hood for protecting against contamination
Set of seals for the pen station , 4 replacement seals for the pen station of the CMS-P1-PLOTTER and 10 marking preparation plates, incl. assembly tool
Pen plates , for the pen station of the CMS-P1-PLOTTER
Magazines and pens

Accessories		
CMS-P1-PLOTTER-KIT	5144628	1
CMS-P1-PLOTTER-CASE	5144631	1
CMS-P1-PLOTTER-COVER	5144806	1
CMS-P1-PENDEPOT	5144835	1
CMS-P1-PREPLATES	5145135	1
See page 44		



CMS-P1-PLOTTER engraving unit



Engraving



- The P1 ENGRAVING UNIT is the ideal marking solution for device and component marking applications that involve high levels of mechanical and chemical stress
- The CMS-P1-PLOTTER can be converted into an engraving unit quickly and easily by swapping the plotter head for the engraving device
- To allow different line thicknesses, engraving chisels with diameters ranging from 0.2 ... 1.0 mm are available as accessories
- These are supplemented by a comprehensive product range of pre-assembled engraving materials; see page 284
- These materials remain in position and do not slip when used with the CMS-P1-M/GPE ENGRAVING plotter magazine

Dimensions	
	[mm]
General data	
Power supply	[V]
Weight	[kg]
Speed range	[RPM]
Collet chuck	[mm]
Power consumption	[W]

Technical data		
Width	Length	Height
250	350	
110 ... 240 / 50 Hz ... 60 Hz		
8		
5000 ... 50000		
3		
150		

Description
Engraving unit , for the CMS-P1-PLOTTER, incl. operating instructions (English/German), data CD and engraving chisel

Ordering data		
Type	Order No.	Pcs. / Pkt.
P1 ENGRAVING UNIT	5145546	1

Engraving chisel, with a point angle of 15°
Point diameter 0.2 mm
Point diameter 0.3 mm
Point diameter 0.4 mm
Point diameter 0.5 mm
Point diameter 0.7 mm
Point diameter 1.0 mm
Engraving chisel set , chisel with a point angle of 15°, point diameter: 0.2 mm, 0.3 mm, 0.4 mm, 0.5 mm, 0.7 mm, 1.0 mm

Accessories		
P1 GRAVER 0.2	5145478	1
P1 GRAVER 0.3	5145481	1
P1 GRAVER 0.4	5145494	1
P1 GRAVER 0.5	5145504	1
P1 GRAVER 0.7	5145517	1
P1 GRAVER 1.0	5145520	1

Vacuum cleaner bag , 5 spare bags for replacement
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P1 GRAVER SET	5145533	1
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Magazine for the CMS-P1-PLOTTER , for accommodating EMLP... and GPE... materials for engraving

P1 ENGRAVING VC BAG	5145559	1
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- 1 GPE label sheet

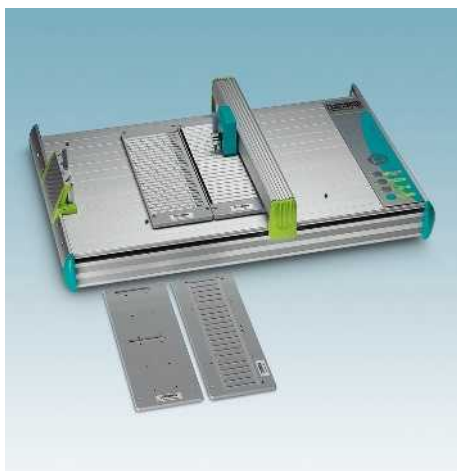
CMS-P1-M/GPE ENGRAVING	5145711	1
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Marking and labeling - MARKING system

Marking systems

Magazines for CMS-P1-PLOTTER



- Robust plastic magazines for marking all commercially available marking materials
- Even compatible with marking sheets that have already been started
- Option of partial marking
- In terms of its size, the magazine utilizes plotter capacity to the full
- We offer a variety of different magazines for marking materials
- If you cannot find the right magazine for your materials, please get in touch

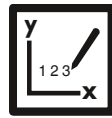
Description	Color
Magazine, for CMS-P1-PLOTTER , for accommodating: UC-TM ..., UC-TMN ..., UC3-TM ..., UC-WMC 1,9..., UC-WMC 3,1..., UC-WMTBA ..., UC-EM (17,5x9), UC-EM (18x8), UC-EM (21x8)	
For accommodating UC-WMC 4,4...	gray
For accommodating UC-WMC 5,6..., UC-WMC 7,5...	gray
For accommodating UC-TMF..., UC1-TMF..., UC2F-TM..., UC-WMT...	gray
For accommodating UC1-TM..., UC1U-TM..., UC2-TM...	gray
For accommodating: UC-EM..., UC-EMP..., UC-EMLP..., UC-EMSP..., and UC-WMTB...	gray
For accommodating: UC-WMCO ...	gray
Plastic magazines, for CMS-P1-PLOTTER , for accommodating:	
- 22 zack marker strips	
- 26 flat zack marker strips or ZBN strips	
- 2 zack marker sheets	
- 3 flat zack marker sheets	
- 22 contactor marker zack marker strips	
- 4 to 6 PABA marker bars	
- 30 marker pins ZB strips	
- 1 GPE label sheet	
- 20 strips LBHZ conductor marking	
- 1 GPE label sheet	
Magazine for accommodating sheet material , self-adhesive mat for fixing labels, foils and paper, size of sheet max. DIN A4	

Ordering data		
Type	Order No.	Pcs. / Pkt.
P1 UC-MAG 1	5146079	1
P1 UC-MAG 2	5146082	1
P1 UC-MAG 3	5146095	1
P1 UC-MAG 4	5146105	1
P1 UC-MAG 5	5146118	1
P1 UC-MAG 6	5146121	1
P1 UC-MAG 7	5146568	1
CMS-P1-M/ZB	5144699	1
CMS-P1-M/ZBF	5144709	1
CMS-P1-M/ZBFM	5144660	1
CMS-P1-M/ZBFM	5144686	1
CMS-P1-M/SS-ZB	5144712	1
CMS-P1-M/PAB	5144741	1
CMS-P1-M/BN-ZB	5144725	1
CMS-P1-M/GPE	5144754	1
CMS-P1-M/LBHZ	5144738	1
CMS-P1-M/GPE ENGRAVING	5145711	1
CMS-P1-PAD	5144819	1

Adapter plate for WMU magazines , for using the universal CMS-WMU replaceable frame with the magazine inserts of the CMS-MCP 3 plotter
Replacement fixation pad for CMS-P1-M/ZBFM , 9 self-adhesive fixation pads, sufficient for 3 magazines
Replacement fixation pad for CMS-P1-M/GPE and CMS-P1-M/GPE ENGRAVING , one fixation pad, sufficient for one magazine
Replacement fixation pad for CMS-P1-PAD , 1 fixation pad in DIN A4 format

Accessories		
CMS-P1-WMU-ADAPTER	5144822	1
CMS-P1-M/ZBFM-PAD	5144848	1
CMS-P1-M/GPE-PAD	5144880	1
CMS-P1-PAD/SPARE	5144893	1

Plotter pens



Plotter



- Plotter pens for high-quality product marking
- Wipe-resistant with a perfect appearance
- Totally integrated product range consisting of plotter pens, ink, and cleaning fluid for the CMS-P1-PLOTTER
- Both reusable and disposable plotter pens are available

Description	Color
Disposable plotter pen , non-refillable plotter pen, with pen station, completely filled with 1 ml CMS-INK-TR-C 5 ink, for high requirements	
Line thickness 0.25 mm	black
Line thickness 0.35 mm	black
Pens , incl. adapters, ink tank and pen station, for different line thicknesses, without ink	
Line thickness 0.25 mm	
Line thickness 0.35 mm	
Line thickness 0.50 mm	

Cleaning set for pens, consisting of: 1 cleaning cup, 2 cartridges of 10 ml cleaning liquid each and 2 spare sealing caps for the pen station

Cleaning cartridges with spare sealing caps, 2 cartridges, each with 10 ml cleaning liquid and 2 caps

Ink cartridge, for CMS-PEN...

Ordering data

Type	Order No.	Pcs. / Pkt.
CMS-DISPOSABLE-PEN 0,25 TR	5146685	1
CMS-DISPOSABLE-PEN 0,35 TR	5146686	1
CMS-PEN 0,25	5067815	1
CMS-PEN 0,35	5067828	1
CMS-PEN 0,50	5067831	1

Accessories

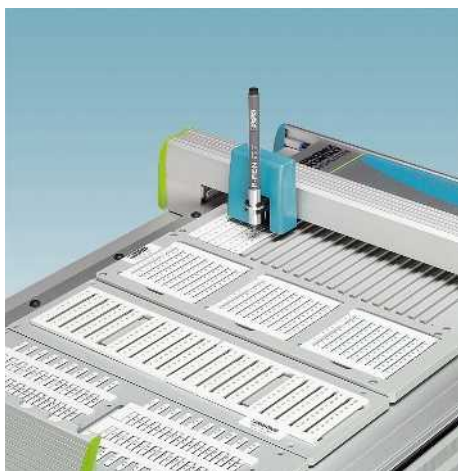
CMS-R-SET-TR	5146751	1
CMS-R-FLUID-TR-C2	5146752	1
CMS-INK-TR-C5	5146684	1



Marking and labeling - MARKING system

Marking systems

Marker pen for plotter and manual marking



- High-quality marking of unprinted marking materials, can be performed manually or with the CMS-P1-PLOTTER
- Used in conjunction with the P-PEN ADAPTER when combined with plotter
- Disposable pen
- No handling of cleaning fluid required



Description	Color
Disposable pen, non-refillable, for manual marking. can be also used for plotter marking when combined with the P-PEN ADAPTER	black

Aluminum adapter, to fix the P-PEN for plotter marking

Ordering data		
Type	Order No.	Pcs. / Pkt.
P-PEN	0815211	10

Accessories		
P-PEN ADAPTER	0815224	1

Marker pen for manual marking



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



Description	Color
Marker pen, refillable, for manual marking, 0.35 mm line thickness, can be refilled with CMS-INK-TR-C 5, delivered without ink	black

Ink cartridge, for CMS-PEN...	black
-------------------------------	-------

Ordering data		
Type	Order No.	Pcs. / Pkt.
X-PEN 0,35	0811228	1

Accessories		
CMS-INK-TR-C5	5146684	1

Marker pen for manual marking

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



		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
Marker pen, not refillable, for manual marking, line thickness 0.5 mm	black	B-STIFT	1051993	10

Marking and labeling - MARKING system

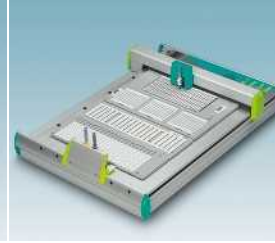
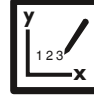
Marking systems

Overview
Marking system -
marking material -
matrix



Marking system	TOPMARK LASER	BLUEMARK CLED	THERMOMARK CARD	THERMOMARK ROLL
Terminal marking				
UC...-TM...		Page 56		
UCT...-TM...	Page 76	Page 76	Page 76	
UM...-TM...		Page 118	Page 118	
US-TM...			Page 80	
US-TMF...			Page 81	
US-TML...			Page 82	
ZB...				
ZBF...				
TMT...				Page 84
TML...				Page 88
SK...				Page 95

Conductor/cable marking				
LS-WMTB...	Page 156			
WMTB-AL...		Page 160		
AI-WM...		Page 169		
UC-WMT...		Page 170		
UC-WMTB(A)...		Page 172		
UC-WMC(O)...		Page 162		
UCT-WMT...	Page 174	Page 174	Page 174	
UCT-WMTB(A)...	Page 178	Page 178	Page 178	
UCT-WMCO...	Page 177	Page 177	Page 177	
UCT-WMS...	Page 176	Page 176	Page 176	
US-WMT...			Page 180	
US-WMTB...			Page 182	
US-WML...			Page 183	
WMT...				Page 196
WMTB...(HF)				Page 197
WMS... (pre-assembled)				Page 189
WMS... (continuous shrink sleeve)				Page 192
WML.../WML HF... /WML-FLAG...				Page 185
EMT...				Page 194
WMTW...				Page 195



THERMARK ROLL X1

THERMARK X1.2

THERMARK W2

CMS-P1-PLOTTER

P1 ENGRAVING UNIT

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Marking and labeling - MARKING system

Marking systems

Overview

Marking system -
marking material
matrix



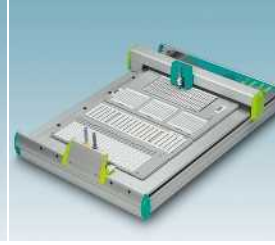
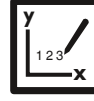
Marking system	TOPMARK LASER	BLUEMARK CLED	THERMOMARK CARD	THERMOMARK ROLL
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Device marking

LS-EM...	Page 226			
EM...AL...		Page 238		
UC-EM...		Page 245		
UC-EMP...		Page 243		
UC-EMLP...(EX)		Page 240		
UC-EMSP...		Page 242		
UCT-EM(P)...	Page 248	Page 248	Page 248	
US-EMP...			Page 257	
US-EMLP...(HA)			Page 254	
US-EMLSP...			Page 260	
US-EMSP...			Page 259	
US-EML...			Page 261	
US-EMLF...			Page 354	
EMT...				Page 280
EML...(EX)				Page 264
EMLP...				Page 269
EMLF...				Page 272
EMLC...				Page 273
EMLS...				Page 278
EML-HA...				Page 274
EML-HT...				Page 275
EML-ESD...				Page 276
EML-RM...				Page 277
GPE...				
BMK...				
BMKL...				

System marking

US-PML-VW...			Page 320	
US-PML-P...			Page 326	
US-PML-M...			Page 334	
US-PML-GHS...			Page 348	
US-EMLF...			Page 354	
PML-VW...				Page 321
PML-P...				Page 327
PML-M...				Page 335
PML-GHS...				Page 349
PML-T...				Page 342
PMM...				Page 355



THERMOMARK ROLL X1

THERMOMARK X1.2

THERMOMARK W2

CMS-P1-PLOTTER

P1 ENGRAVING UNIT

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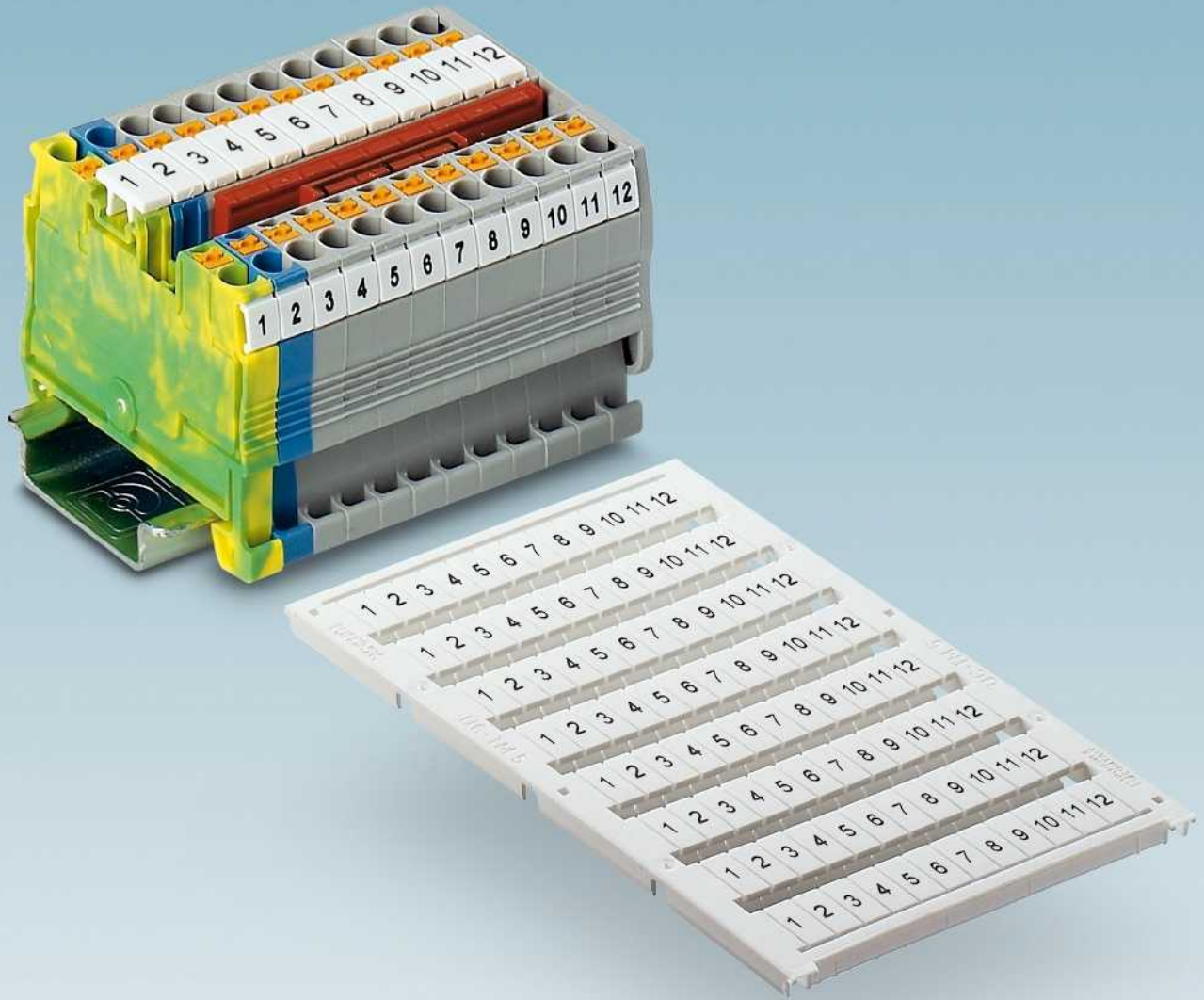
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Terminal marking - MARKING system

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

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

Product range overview

Terminal marking 54

UniCard UC-TM... terminal marking

For tall marker grooves 56

For flat marker grooves 58

ZB... zack marker strip terminal marking

For tall marker grooves 62

For flat marker grooves 70

UniCard UCT-TM... terminal marking

For tall marker grooves 76

For flat marker grooves 78

UniSheet US-TM... terminal marking

For universal marker grooves 80

For flat marker grooves 81

TMT... terminal marking supplied in rolls

Marker strips for tall and flat marker grooves 84

TML... terminal marking supplied in rolls

Self-adhesive markers for terminal blocks without marker grooves 88

SK... terminal marking supplied as card material

Self-adhesive markers for terminal blocks without marker grooves 92

Group marker labels and warning labels 96

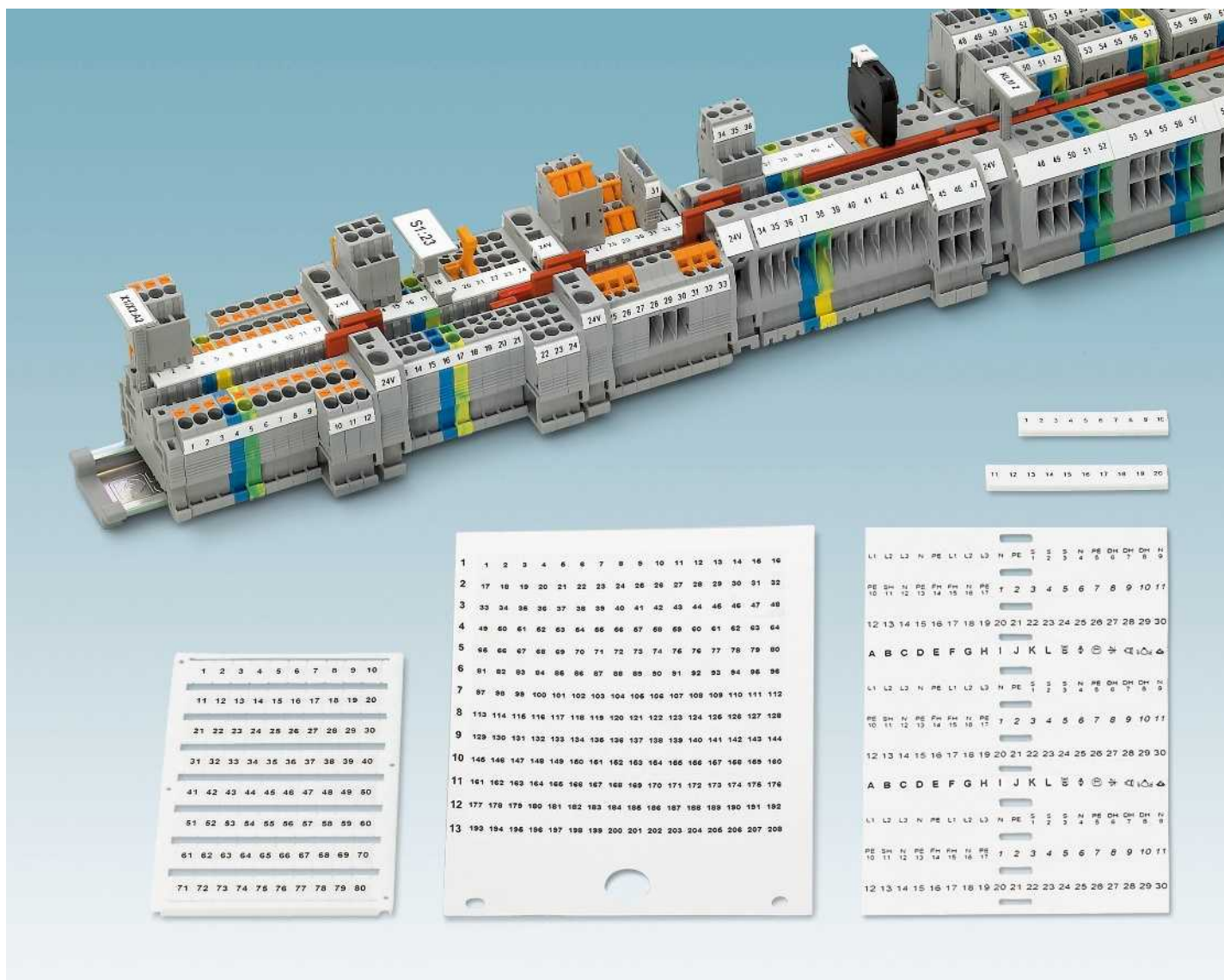
Overview of terminal marking for Phoenix Contact 100

The right marking solution for every terminal

Terminal marking for terminal blocks from other manufacturers 106

Overview of terminal marking for other manufacturers 126

Phoenix Contact provides the right marking solution for every terminal



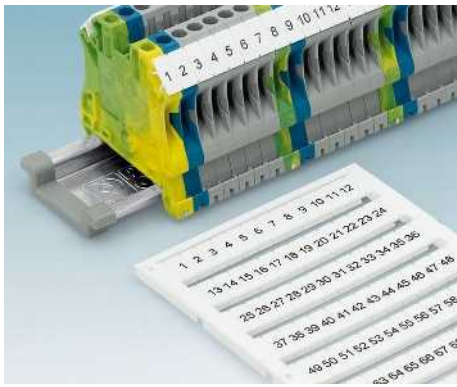
Those involved in control cabinet and system engineering must ensure meaningful marking of electrical connecting elements and control cabinet components. As with comprehensive documentation, precise marking of all terminal points makes it easier to set up and maintain the systems concerned. EN 60204-1/VDE 0113 Part 1 stipulates requirements concerning consistent system marking and, therefore, for ensuring that it matches the technical documentation. Various marking materials are available for marking Phoenix Contact terminal blocks. The marking strips can be easily separated by hand, and their special geometry ensures that the marking remains in place even in the event of impact and vibration in machines and vehicles.

The terminal markers are available in strips or sheets and with or without marking in accordance with customer requirements. Depending on the version, unmarked terminal markers can be marked using the various printing systems available from Phoenix Contact.

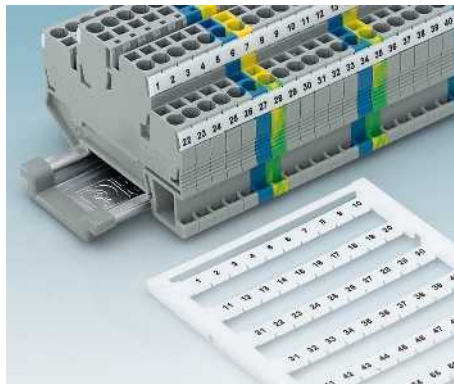
- Markers in UniCard format can be quickly and reliably marked using the new BLUEMARK CLED printer
- Markers in UniSheet format can be quickly and reliably marked using the new THERMOMARK CARD printer
- Material off the roll has been specially developed for marking using thermal transfer printers, e.g., from the new THERMOMARK LINE series from Phoenix Contact
- Zack marker strips are ideal for marking with the plotter, but can also be marked directly by hand.

All marking systems are characterized by their high resolution and excellent wipe resistance.

Various marking labels are available for marking terminal block groups in addition to the marking of the actual terminal points. These are snapped into the marking grooves of terminal blocks. Details of group marking products that can be fixed to end brackets can be found in the chapter titled Mounting material starting on page 483.



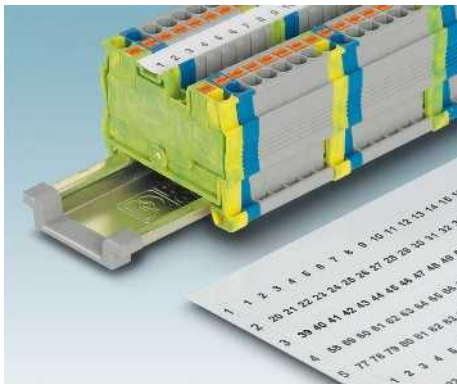
Markers are available in the UniCard and UniSheet formats for the marking of terminal blocks with a tall marker groove. They can be supplied unprinted or printed according to customer requirements.



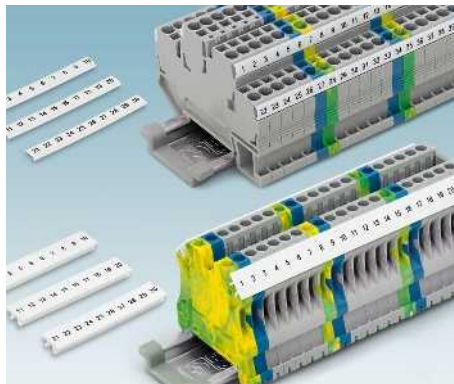
Markers are available in the UniCard and UniSheet formats for terminal blocks, modules, and connectors with a flat marker groove. They can be supplied unprinted or printed in accordance with customer requirements.



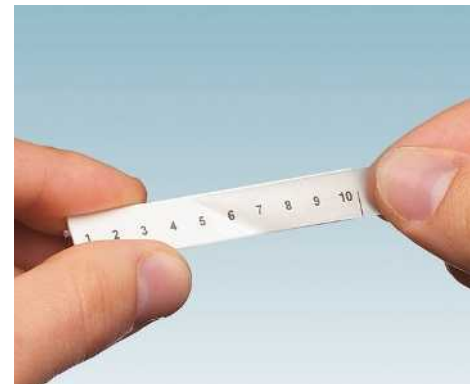
Miniature terminal blocks/transformer terminal blocks have neither a flat nor a tall marker groove. Special markers are available in UniCard format for the purpose of marking such terminal blocks.



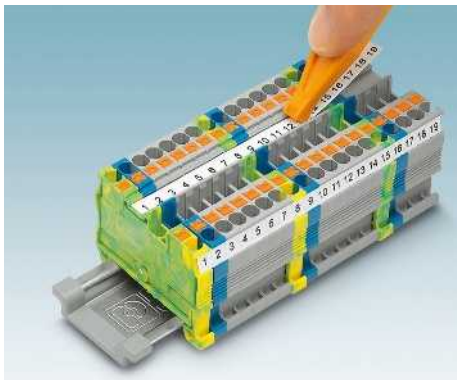
The universal marker groove can be marked with markers in UniSheet format. These are available unprinted or printed in accordance with customer requirements.



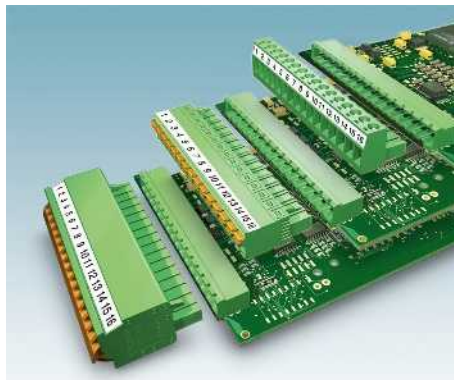
10-section zack marker strips are available in tall and flat versions. They are used to mark terminal blocks, modules or connectors and can be supplied unprinted or printed.



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



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



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

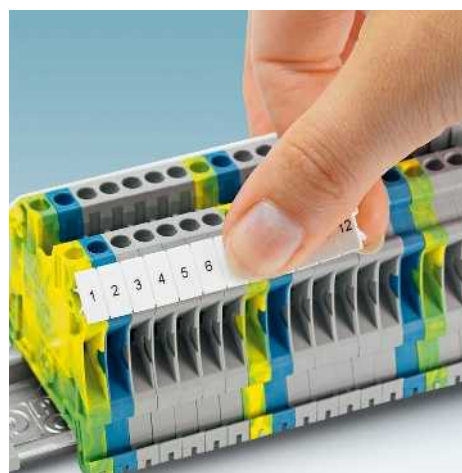


Markers are available in both UniCard and UniSheet formats for marking modular terminal blocks from other manufacturers.

Terminal marking

UniCard terminal marking for tall marker groove

Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8.2 mm

- The UC-TM ... UniCard marking range includes markers for products with a tall marker groove
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The format automatically ensures printing with a high level of positional accuracy
- The multi-section marking strips are easy to fit and can be easily separated if required
- The markers support multiline marking
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

An overview of the terminal blocks that can be marked that are available from Phoenix Contact can be found starting on page 100.

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard , for marking terminal blocks with a marker groove, 120-section, 15 individual labels per strip, for a terminal block width of 4.2 mm,				
	white	UC-TM 4	0818111	10
	red	UC-TM 4 RD	0818250	10
	orange	UC-TM 4 OG	0818221	10
	yellow	UC-TM 4 YE	0818234	10
	violet	UC-TM 4 VT	0819084	10
	blue	UC-TM 4 BU	0818247	10
	green	UC-TM 4 GN	0818263	10
UniCard , for marking terminal blocks with a marker groove, 96-section, 12 individual labels per strip, for a terminal block width of 5.2 mm				
	white	UC-TM 5	0818108	10
	red	UC-TM 5 RD	0818302	10
	orange	UC-TM 5 OG	0818276	10
	yellow	UC-TM 5 YE	0818289	10
	violet	UC-TM 5 VT	0819107	10
	blue	UC-TM 5 BU	0818292	10
	green	UC-TM 5 GN	0818315	10
UniCard , for marking terminal blocks with a marker groove, 80-section, 10 individual labels per strip, for a terminal block width of 6.2 mm				
	white	UC-TM 6	0818085	10
	red	UC-TM 6 RD	0818357	10
	orange	UC-TM 6 OG	0818328	10
	yellow	UC-TM 6 YE	0818331	10
	violet	UC-TM 6 VT	0819110	10
	blue	UC-TM 6 BU	0818344	10
	green	UC-TM 6 GN	0818360	10
UniCard , for marking terminal blocks with a marker groove, 56-section, 7 individual labels per strip, for a terminal block width of 8.2 mm				
	white	UC-TM 8	0818072	10
	red	UC-TM 8 RD	0818409	10
	orange	UC-TM 8 OG	0818373	10
	yellow	UC-TM 8 YE	0818386	10
	violet	UC-TM 8 VT	0819123	10
	blue	UC-TM 8 BU	0818399	10
	green	UC-TM 8 GN	0818412	10

Accessories

Magazine, for CMS-P1-PLOTTER

P1 UC-MAG 1	5146079	1
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UniCard terminal marking for tall marker groove

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Markers for terminal block widths up to 16 mm

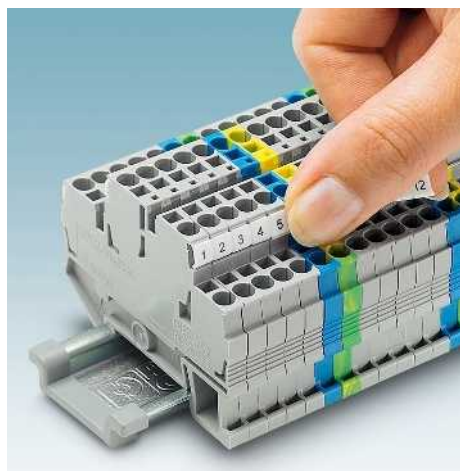
General data		Technical data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER		
Material		PA		
Inflammability class according to UL 94		V2		
Temperature range	[°C]	-40 ... 120		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for marking terminal blocks with a marker groove, 48-section, 6 individual labels per strip, for a terminal block width of 10.2 mm	white	UC-TM 10	0818069	10
	red	UC-TM 10 RD	0818454	10
	orange	UC-TM 10 OG	0818425	10
	yellow	UC-TM 10 YE	0818438	10
	violet	UC-TM 10 VT	0815936	10
	blue	UC-TM 10 BU	0818441	10
	green	UC-TM 10 GN	0818467	10
UniCard, for marking terminal blocks with a marker groove, 40-section, 5 individual labels per strip, for a terminal block width of 12 mm	white	UC-TM 12	0819194	10
	red	UC-TM 12 RD	0817701	10
	orange	UC-TM 12 OG	0817691	10
	yellow	UC-TM 12 YE	0819204	10
	violet	UC-TM 12 VT	0822660	10
	blue	UC-TM 12 BU	0817785	10
	green	UC-TM 12 GN	0817808	10
UniCard, for marking terminal blocks with a marker groove, 32-section, 4 individual labels per strip, for a terminal block width of 16 mm	white	UC-TM 16	0819217	10
	red	UC-TM 16 RD	0817798	10
	orange	UC-TM 16 OG	0817772	10
	yellow	UC-TM 16 YE	0819220	10
	violet	UC-TM 16 VT	0822673	10
	blue	UC-TM 16 BU	0817769	10
	green	UC-TM 16 GN	0817756	10
		Accessories		
Magazine, for CMS-P1-PLOTTER		P1 UC-MAG 1	5146079	1

Marking and labeling - MARKING system

Terminal marking

UniCard terminal marking for flat marker groove

Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8.2 mm

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

Notes:

An overview of the terminal blocks that can be marked that are available from Phoenix Contact can be found starting on page 100.

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

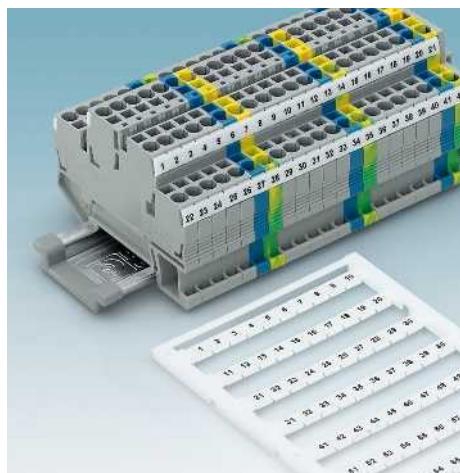
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard , for marking terminal blocks with a flat marker groove, 120-section, 15 individual labels per strip, for a terminal block width of 4.2 mm	white	UC-TMF 4	0818166	10
	red	UC-TMF 4 RD	0818506	10
	orange	UC-TMF 4 OG	0818470	10
	yellow	UC-TMF 4 YE	0818483	10
	violet	UC-TMF 4 VT	0815897	10
	blue	UC-TMF 4 BU	0818496	10
	green	UC-TMF 4 GN	0818519	10
UniCard , for marking terminal blocks with a flat marker groove, 96-section, 12 individual labels per strip, for a terminal block width of 5.2 mm	white	UC-TMF 5	0818153	10
	red	UC-TMF 5 RD	0818551	10
	orange	UC-TMF 5 OG	0818522	10
	yellow	UC-TMF 5 YE	0818535	10
	violet	UC-TMF 5 VT	0815907	10
	blue	UC-TMF 5 BU	0818548	10
	green	UC-TMF 5 GN	0818564	10
UniCard , for marking terminal blocks with a flat marker groove, 80-section, 10 individual labels per strip, for a terminal block width of 6.2 mm	white	UC-TMF 6	0818140	10
	red	UC-TMF 6 RD	0818603	10
	orange	UC-TMF 6 OG	0818577	10
	yellow	UC-TMF 6 YE	0818580	10
	violet	UC-TMF 6 VT	0815910	10
	blue	UC-TMF 6 BU	0818593	10
	green	UC-TMF 6 GN	0818616	10
UniCard , for marking terminal blocks with a flat marker groove, 64-section, 7 individual labels per strip, for a terminal block width of 8.2 mm	white	UC-TMF 8	0818137	10
	red	UC-TMF 8 RD	0818658	10
	orange	UC-TMF 8 OG	0818629	10
	yellow	UC-TMF 8 YE	0818632	10
	violet	UC-TMF 8 VT	0815923	10
	blue	UC-TMF 8 BU	0818645	10
	green	UC-TMF 8 GN	0818661	10

Magazine, for CMS-P1-PLOTTER

Accessories

P1 UC-MAG 4	5146105	1
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UniCard terminal marking for flat marker groove

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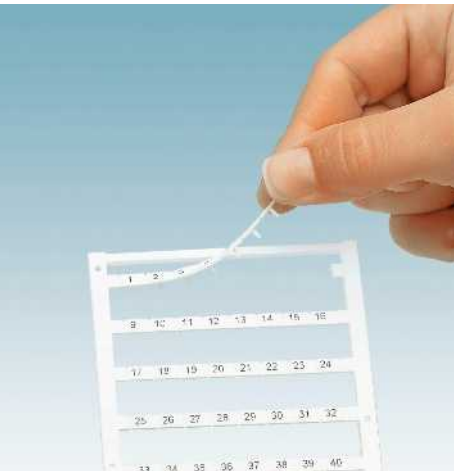
Markers for terminal block widths up to 16 mm

General data		Technical data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER		
Material		PA		
Inflammability class according to UL 94		V2		
Temperature range	[°C]	-40 ... 120		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for marking terminal blocks with a flat marker groove, 48-section, 6 individual labels per strip, for a terminal block width of 10.2 mm	white	UC-TMF 10	0818124	10
	red	UC-TMF 10 RD	0818700	10
	orange	UC-TMF 10 OG	0818674	10
	yellow	UC-TMF 10 YE	0818687	10
	violet	UC-TMF 10 VT	0815981	10
	blue	UC-TMF 10 BU	0818690	10
	green	UC-TMF 10 GN	0818713	10
UniCard, for marking terminal blocks with a flat marker groove, 40-section, 5 individual labels per strip, for a terminal block width of 12 mm	white	UC-TMF 12	0819233	10
	red	UC-TMF 12 RD	0817840	10
	orange	UC-TMF 12 OG	0817866	10
	yellow	UC-TMF 12 YE	0819246	10
	violet	UC-TMF 12 VT	0822686	10
	blue	UC-TMF 12 BU	0817853	10
	green	UC-TMF 12 GN	0817837	10
UniCard, for marking terminal blocks with a flat marker groove, 32-section, 4 individual labels per strip, for a terminal block width of 16 mm	white	UC-TMF 16	0819262	10
	red	UC-TMF 16 RD	0817824	10
	orange	UC-TMF 16 OG	0817811	10
	yellow	UC-TMF 16 YE	0819259	10
	violet	UC-TMF 16 VT	0822699	10
	blue	UC-TMF 16 BU	0817905	10
	green	UC-TMF 16 GN	0817921	10
		Accessories		
Magazine, for CMS-P1-PLOTTER		P1 UC-MAG 4	5146105	1

Terminal marking

UniCard terminal marking for marking stud holders

Can be marked using:



UV LED technology



Plotter



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

- The UC-TMN ... UniCard marking range includes markers for products with a marking stud holder, such as mini terminal blocks, transformer terminal blocks or COMBICON PCB connection terminal blocks
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The format automatically ensures printing with a high level of positional accuracy
- The multi-section marking strips are easy to fit and can be easily separated if required
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:
An overview of the terminal blocks that can be marked that are available from Phoenix Contact can be found starting on page 100.

General data	
Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Description	Color
UniCard, for marking transformer terminal blocks	
96-section	white
64-section	white
48-section	white

Magazine, for CMS-P1-PLOTTER

Technical data	
BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Ordering data		
Type	Order No.	Pcs. / Pkt.
UC-TMN 5,2	0822945	10
UC-TMN 7,5	0821823	10
UC-TMN 10	0828554	10

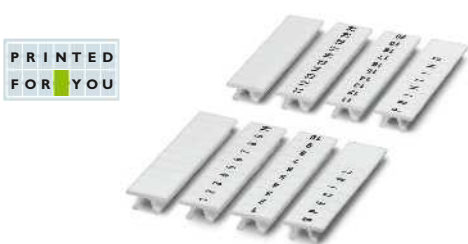
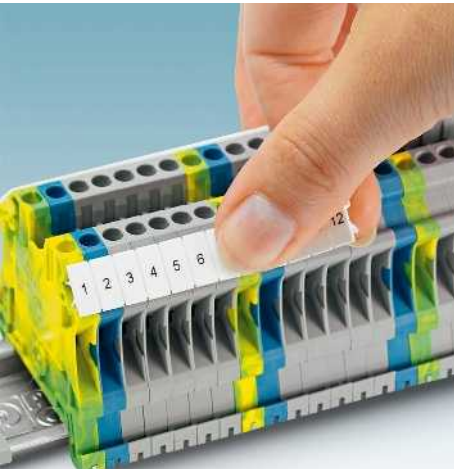
Accessories		
P1 UC-MAG 1	5146079	1



Terminal marking

Zack marker strip terminal marking for tall marker groove

Can be marked using:



Markers for a terminal block width of 3.5 mm

- The ZB zack marker strip system is a marking solution for modular terminal blocks and electronic modules with tall marker grooves
- The multi-section marking strips are easy to fit and can be easily separated if required
- Different pitches are possible on request
- Unmarked marking strips can be custom-marked with a plotter or by hand
- Marking service: Phoenix Contact can custom-mark all zack marker strip markers in accordance with your requirements

Selection of marking direction

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

Notes:
1) 10 identically marked strips make up one packing unit (PU).

General data	
Can be marked using	CMS-P1-PLOTTER
Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 100 [°C]
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Description	Color
Zack marker strip, 10-section, unprinted: pack contains enough to label 100 terminal blocks	
as above, however, large batch, sufficient for 1000 terminal blocks	white
Zack marker strip, printed horizontally, ten sections with consecutive numbers, e.g., 1 - 10, 11 - 20, etc. up to 91 - 100, (ZB 3,5 and ZB 4, max. 2 digits) ¹⁾	white
Markers for a terminal block width of 5.2 mm	white
Zack marker strip, printed horizontally, 10-section, with same numbers, e.g., 1/1/1, 2/2/2, etc. up to 100/100/100 ¹⁾	white
Zack marker strip, 10-section, printed horizontally: with L1, L2, L3, N, PE ¹⁾	white
U, V, W, N, ↓	white
Zack marker strip, printed vertically, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100 ¹⁾	white

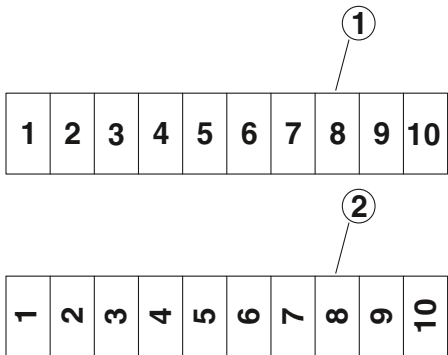
Technical data	
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Ordering data		
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Type	Order No.	Pcs. / Pkt.
ZB 3,5:UNBEDRUCKT	0829414	10
ZB 3,5,LGS:FORTL.ZAHLEN	0801404	10
ZB 3,5,QR:FORT.ZAHLEN	0801405	10

Accessories		
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CMS-P1-M/ZB	5144699	1
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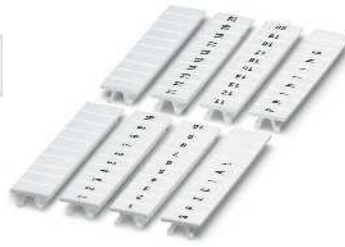


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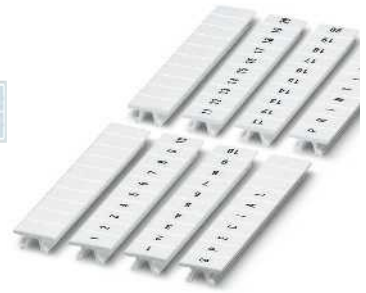
Markers for a terminal block width of 4.2 mm

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Markers for a terminal block width of 5.2 mm

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Markers for a terminal block width of 5.08 mm

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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1
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Technical data
CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
ZB 5 :UNBEDRUCKT	1050004	10
ZB 5/WH-100:UNBEDRUCKT	5060906	100
ZB 5,LGS:FORTL.ZAHLEN	1050017	10
ZB 5,LGS:GLEICHE ZAHLEN	1050033	10
ZB 5,LGS:L1-N,PE	1050415	10
ZB 5,QR:FORTL.ZAHLEN	1050020	10

Accessories

CMS-P1-M/ZB	5144699	1
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Technical data
CMS-P1-PLOTTER
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

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

Accessories

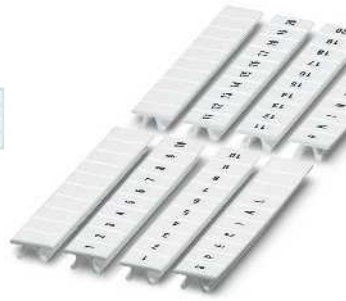
CMS-P1-M/ZB	5144699	1
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Marking and labeling - MARKING system

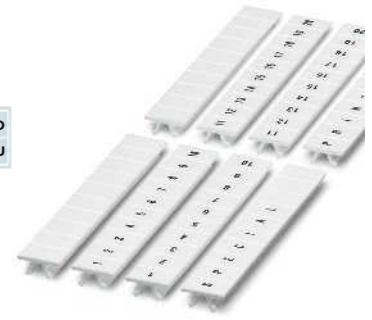
Terminal marking

Zack marker strip terminal marking for tall marker groove

- The ZB zack marker strip system is a marking solution for modular terminal blocks and electronic modules with tall marker grooves
- Marking service: Phoenix Contact can custom-mark all zack marker strip markers in accordance with your requirements



Markers for a terminal block width of 6.2 mm

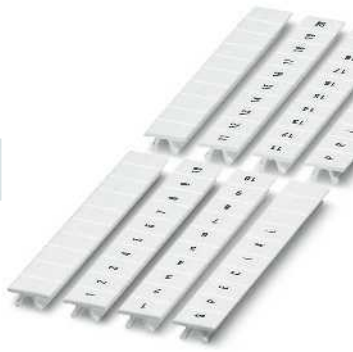


Markers for a terminal block width of 6.6 mm

Notes:
¹⁾ 10 identically marked strips make up one packing unit (PU).

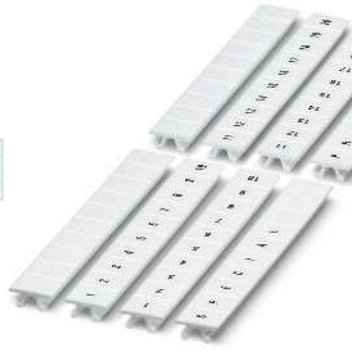
General data			Technical data			Technical data		
Can be marked using			CMS-P1-PLOTTER			CMS-P1-PLOTTER		
Material			PA			PA		
Inflammability class according to UL 94			V2			V2		
Temperature range		[°C]	-40 ... 100			-40 ... 100		
Wipe resistance			DIN EN 61010-1 (VDE 0411-1)			DIN EN 61010-1 (VDE 0411-1)		
Components			Free from silicone and halogen			Free from silicone and halogen		
Ordering data			Ordering data			Ordering data		
Description	Color		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Zack marker strip, 10-section, unprinted: pack contains enough to label 100 terminal blocks			ZB 6:UNBEDRUCKT	1051003	10	ZB 6,6:UNBEDRUCKT	1052332	10
as above, however, large batch, sufficient for 1000 terminal blocks	white							
	white							
Zack marker strip, printed horizontally, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100								
Markers for a terminal block width of 6.2 mm	white		ZB 6,LGS:FORTL.ZAHLEN	1051016	10	ZB 6,6,LGS:FORTL.ZAHLEN	1052345	10
Zack marker strip, printed horizontally, 10-section, with same numbers, e.g., 1/1/1, 2/2/2, etc. up to 100/100/100								
	white		ZB 6,LGS:GLEICHE ZAHLEN	1051032	10			
Zack marker strip, 10-section, printed horizontally: with L1, L2, L3, N, PE								
	white		ZB 6,LGS:L1-N,PE	1051414	10			
U, V, W, N, ↓	white		ZB 6,LGS:U-N	1051430	10			
Zack marker strip, printed vertically, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100¹⁾								
	white		ZB 6,QR:FORTL.ZAHLEN	1051029	10			
Accessories			Accessories			Accessories		
Magazine, for CMS-P1-PLOTTER			CMS-P1-M/ZB	5144699	1	CMS-P1-M/ZB	5144699	1

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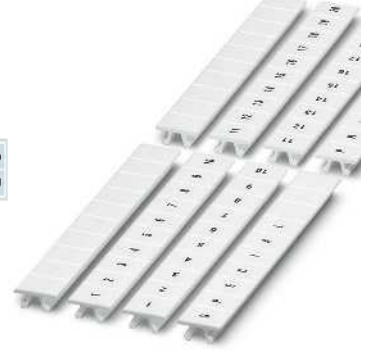
Markers for a terminal block width of 7.5 mm

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Markers for a terminal block width of 7.62 mm

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Markers for a terminal block width of 8.2 mm

Technical data		
CMS-P1-PLOTTER		
PA		
V2		
-40 ... 100		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZB 7,5:UNBEDRUCKT	0803948	10
Accessories		
CMS-P1-M/ZB	5144699	1

Technical data		
CMS-P1-PLOTTER		
PA		
V2		
-40 ... 100		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZB 7,62:UNBEDRUCKT	1054000	10
ZB 7,62/WH-100:UNBEDRUCKT	5060922	100
ZB 7,62,LGS:FORTL.ZAHLEN	1054233	10
Accessories		
CMS-P1-M/ZB	5144699	1

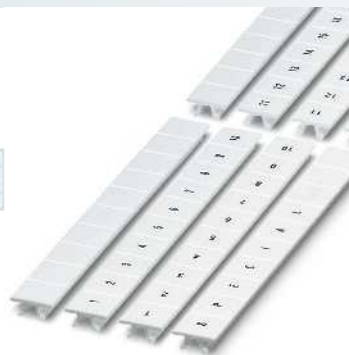
Technical data		
CMS-P1-PLOTTER		
PA		
V2		
-40 ... 100		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZB 8:UNBEDRUCKT	1052002	10
ZB 8/WH-100:UNBEDRUCKT	5060896	100
ZB 8,LGS:FORTL.ZAHLEN	1052015	10
ZB 8,LGS:L1-N,PE	1052413	10
ZB 8,QR:FORTL.ZAHLEN	1052028	10
Accessories		
CMS-P1-M/ZB	5144699	1

Marking and labeling - MARKING system

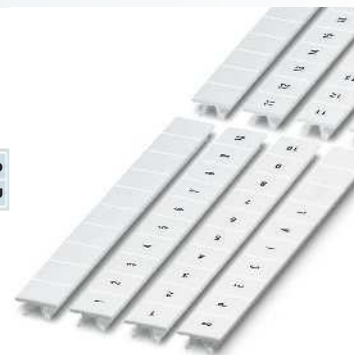
Terminal marking

Zack marker strip terminal marking for tall marker groove

- The ZB zack marker strip system is a marking solution for modular terminal blocks and electronic modules with tall marker grooves
- Marking service: Phoenix Contact can custom-mark all zack marker strip markers in accordance with your requirements



Markers for a terminal block width of 9 mm



Markers for a terminal block width of 10.2 mm

Notes:
¹⁾ 10 identically marked strips make up one packing unit (PU).

General data			Technical data			Technical data		
Can be marked using			CMS-P1-PLOTTER			CMS-P1-PLOTTER		
Material			PA			PA		
Inflammability class according to UL 94			V2			V2		
Temperature range		[°C]	-40 ... 100			-40 ... 100		
Wipe resistance			DIN EN 61010-1 (VDE 0411-1)			DIN EN 61010-1 (VDE 0411-1)		
Components			Free from silicone and halogen			Free from silicone and halogen		
Ordering data			Ordering data			Ordering data		
Description	Color		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Zack marker strip, 10-section, unprinted: pack contains enough to label 100 terminal blocks			ZB 9:UNBEDRUCKT	0829127	10	ZB 10:UNBEDRUCKT	1053001	10
as above, however, large batch, sufficient for 1000 terminal blocks	white					ZB10/WH-100:UNBEDRUCKT	5060883	100
5-section	white							
Flat zack marker strip, 10-section, printed horizontally: with consecutive numbers, e.g., 1–10, 11–20, etc. up to 91–100 ¹⁾								
Markers for a terminal block width of 10.2 mm	white					ZB10,LGS:FORTL.ZAHLEN	1053014	10
Zack marker strip, printed horizontally, 10-section, with same numbers, e.g., 1/1/1, 2/2/2, etc. up to 100/100/100 ¹⁾								
	white					ZB10,LGS:GLEICHE ZAHLEN	1053030	10
Zack marker strip, 10-section, printed horizontally: with L1, L2, L3, N, PE ¹⁾						ZB10,LGS:L1-N,PE	1053412	10
U, V, W, N, ⊥	white					ZB10,LGS:U-N	1053438	10
5-section	white							
Zack marker strip, printed vertically, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100 ¹⁾								
	white					ZB10,QR:FORTL.ZAHLEN	1053027	10
Accessories			Accessories			Accessories		
Magazine, for CMS-P1-PLOTTER			CMS-P1-M/ZB	5144699	1	CMS-P1-M/ZB	5144699	1

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Markers for a terminal block width of 12 mm

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Markers for a terminal block width of 13 mm

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Markers for a terminal block width of 15 mm

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

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

Accessories		
CMS-P1-M/ZB	5144699	1

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

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

Accessories		
CMS-P1-M/ZB	5144699	1

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

Ordering data		
Type	Order No.	Pcs. / Pkt.
ZB 15:UNBEDRUCKT	0811972	10
ZB 15,LGS:L1-N,PE	0811998	10

Accessories		
CMS-P1-M/ZB	5144699	1

Terminal marking

Zack marker strip terminal marking for tall marker groove

- The ZB zack marker strip system is a marking solution for modular terminal blocks and electronic modules with tall marker grooves
- Marking service: Phoenix Contact can custom-mark all zack marker strip markers in accordance with your requirements



Markers for a terminal block width of 16.3 mm



Markers for a terminal block width of 17 mm

Notes:
1) 10 identically marked strips make up one packing unit (PU).

General data	
Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	
Description	Color
Zack marker strip, 5-section, unprinted: pack contains enough to label 50 terminal blocks	
4-part, for 40 terminals	white
Zack marker strip, 5-section, printed horizontally: With L1, L2, L3, N, PE1)	white
4-section	white
Magazine, for CMS-P1-PLOTTER	

Technical data		
CMS-P1-PLOTTER		
PA		
V2		
-40 ... 100		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZB 16,3:UNPRINTED	0820222	10
Accessories		
CMS-P1-M/ZB	5144699	1

Technical data		
CMS-P1-PLOTTER		
PA		
V2		
-40 ... 100		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZB 17:UNBEDRUCKT	0829391	10
Accessories		
CMS-P1-M/ZB	5144699	1



Markers for a terminal block width of 18 mm



Markers for a terminal block width of 22 mm



Markers for a terminal block width of 25 mm

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

Ordering data		
Type	Order No.	Pcs. / Pkt.
ZB 18:UNBEDRUCKT	0811833	10
ZB 18,LGS:L1-N,PE	0811846	10

Accessories		
CMS-P1-M/ZB	5144699	1

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

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

Accessories		
CMS-P1-M/ZB	5144699	1

Technical data
CMS-P1-PLOTTER • X-PEN 0,35 • P-PEN PA V2 -40 ... 100 DIN EN 61010-1 (VDE 0411-1) Free from silicone and halogen

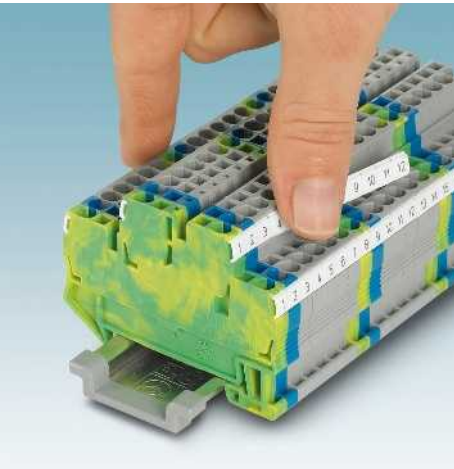
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZB 25:UNPRINTED	0802751	10

Accessories		
CMS-P1-M/ZB	5144699	1

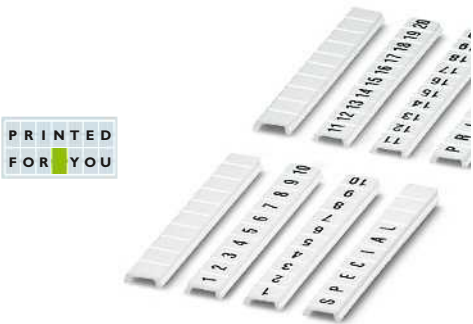
Terminal marking

Zack marker strip terminal marking for flat marker groove

Can be marked using:



Plotter



Markers for a terminal block width of 3.5 mm

- The ZBF zack marker strip system with flat marker groove is a marking solution for terminal blocks and electronics modules
- The multi-section marking strips are easy to fit and can be easily separated if required
- Different pitches are possible on request
- Unmarked marking strips can be custom-marked with a plotter or by hand
- Marking service: Phoenix Contact can custom-mark all zack marker strip markers in accordance with your requirements

Selection of marking direction

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

Notes:
An overview of the terminal blocks that can be marked that are available from Phoenix Contact can be found starting on page 100.
1) 10 identically marked strips make up one packing unit (PU).

General data	
Can be marked using	CMS-P1-PLOTTER
Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 100 [°C]
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Description	Color
Zack flat marker strip, horizontal, 10-section, unprinted: pack contains enough to label 100 terminal blocks	
as above, however, large batch, sufficient for 1000 terminal blocks	white
Zack marker strip, flat, printed horizontally, ten sections with consecutive numbers, e.g., 1 - 10, 11 - 20, etc. up to 91 - 100, (ZBF 3.5 and ZBF 4, max. 2 digits) ¹⁾	white
Markers for a terminal block width of 5.2 mm	white
Zack marker strip, flat, printed horizontally, 10-section, with even numbers, e.g., 2-20, 22-40, etc. up to 82-100, (ZBF 4 max. 2-digit) ¹⁾	white
Zack marker strip, flat, printed horizontally, 10-section, with odd numbers, e.g. 1-19, 21-39, etc. up to 81-99, (ZBF 4 max. 2-digit) ¹⁾	white
Zack marker strip, flat, printed vertically, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100 ¹⁾	white

Magazine, for CMS-P1-PLOTTER

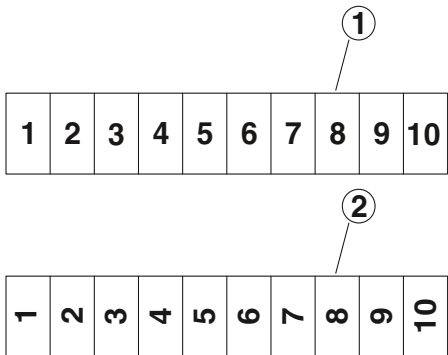
Technical data	
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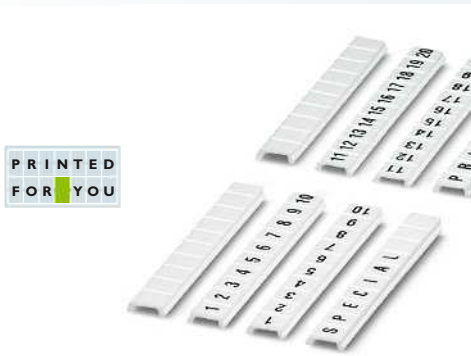
Ordering data		
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Type	Order No.	Pcs. / Pkt.
ZBF 3,5:UNBEDRUCKT	0829392	10
ZBF 3,5,LGS:FORTL.ZAHLEN	0801406	10
ZBF 3,5,QR:FORTL.ZAHLEN	0801407	10

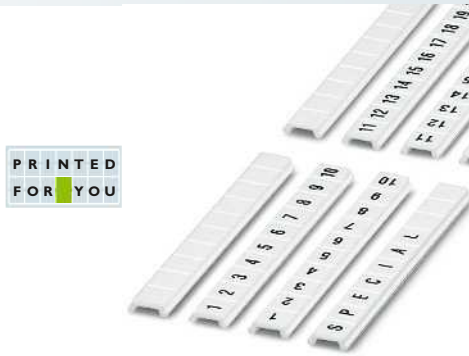
Accessories		
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CMS-P1-M/ZBF	5144709	1
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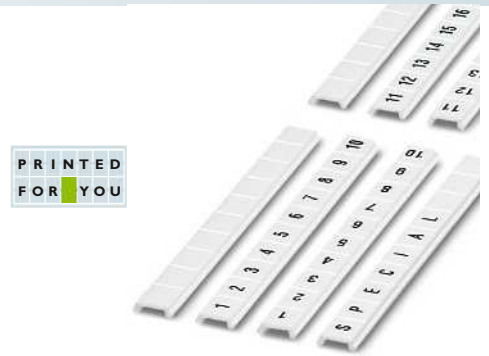




Markers for a terminal block width of 4.2 mm



Markers for a terminal block width of 5.2 mm



Markers for a terminal block width of 6.2 mm

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

Ordering data

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

Accessories

CMS-P1-M/ZBF	5144709	1
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Technical data		
CMS-P1-PLOTTER		
PA		
V2		
-40 ... 100		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		

Ordering data

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

Accessories

CMS-P1-M/ZBF	5144709	1
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Technical data		
CMS-P1-PLOTTER		
PA		
V2		
-40 ... 100		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		

Ordering data

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

Accessories

CMS-P1-M/ZBF	5144709	1
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Marking and labeling - MARKING system

Terminal marking

Zack marker strip terminal marking for flat marker groove

- The ZBF zack marker strip system with flat marker groove is a marking solution for terminal blocks and electronics modules
- Marking service: Phoenix Contact can custom-mark all zack marker strip markers in accordance with your requirements

PRINTED
FOR YOU



Markers for a terminal block width of 7.5 mm

PRINTED
FOR YOU



Markers for a terminal block width of 8.2 mm

Notes:
1) 10 identically marked strips make up one packing unit (PU).

General data

Can be marked using
Material
Inflammability class according to UL 94
Temperature range [°C]
Wipe resistance
Components

Technical data

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

Ordering data

Description	Color
Zack marker strip, flat, 10-section, without color print	
5-section	white
Zack marker strip, flat, printed horizontally, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100¹⁾	white
Markers for a terminal block width of 8.2 mm	white
Zack marker strip, flat, printed vertically, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100¹⁾	white

Type	Order No.	Pcs. / Pkt.
ZBF 7,5:UNBEDRUCKT	0809942	10
ZBF 7,5,LGS:FORTL.ZAHLEN	0809955	10
ZBF 7,5,QR:FORTL.ZAHLEN	0809968	10

Accessories

Magazine, for CMS-P1-PLOTTER

CMS-P1-M/ZBF	5144709	1
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Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
ZBF 8:UNBEDRUCKT	0808781	10
ZBF 8,LGS:FORTL.ZAHLEN	0808804	10

Accessories

CMS-P1-M/ZBF	5144709	1
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Markers for a terminal block width of 9 mm



Markers for a terminal block width of 10.2 mm



Markers for a terminal block width of 12 mm

Technical data		
CMS-P1-PLOTTER PA V2 -40 ... 100 DIN EN 61010-1 (VDE 0411-1) Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZBF 9:UNBEDRUCKT	0829129	10
Accessories		
CMS-P1-M/ZBF	5144709	1

Technical data		
CMS-P1-PLOTTER PA V2 -40 ... 100 DIN EN 61010-1 (VDE 0411-1) Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZBF10:UNBEDRUCKT	0809997	10
ZBF10,LGS:FORTL.ZAHLEN	0810009	10
ZBF10,QR:FORTL.ZAHLEN	0810025	10
Accessories		
CMS-P1-M/ZBF	5144709	1

Technical data		
CMS-P1-PLOTTER PA V2 -40 ... 100 DIN EN 61010-1 (VDE 0411-1) Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZBF 12:UNBEDRUCKT	0809735	10
Accessories		
CMS-P1-M/ZBF	5144709	1

Terminal marking

Zack marker strip terminal marking for flat marker groove

- The ZBF zack marker strip system with flat marker groove is a marking solution for terminal blocks and electronics modules
- Marking service: Phoenix Contact can custom-mark all zack marker strip markers in accordance with your requirements



Markers for a terminal block width of 13 mm

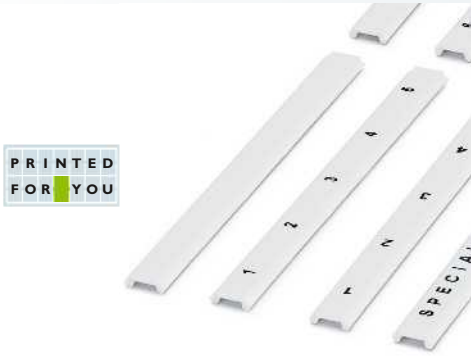


Markers for a terminal block width of 15 mm

General data	
Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	
Description	Color
Zack marker strip, flat, 5-section, without color print	white
Magazine, for CMS-P1-PLOTTER	

Technical data		
CMS-P1-PLOTTER		
PA		
V2		
-40 ... 100		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZBF 13:UNBEDRUCKT	0829133	10
Accessories		
CMS-P1-M/ZBF	5144709	1

Technical data		
CMS-P1-PLOTTER		
PA		
V2		
-40 ... 100		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZBF 15:UNBEDRUCKT	0811202	10
Accessories		
CMS-P1-M/ZBF	5144709	1



Markers for a terminal block width of 16.3 mm



Markers for a terminal block width of 17 mm



Markers for a terminal block width of 19.7 mm

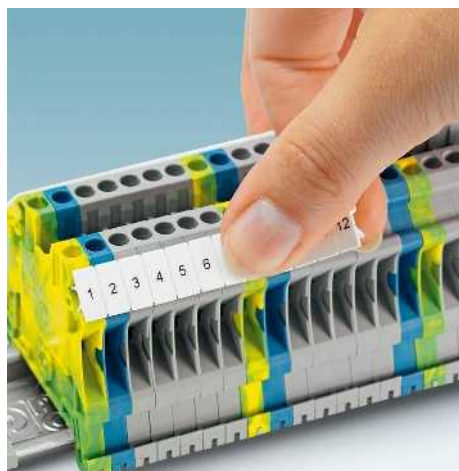
Technical data		
CMS-P1-PLOTTER		
PA		
V2		
-40 ... 100		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZBF 16:UNPRINTED	0827464	10
Accessories		
CMS-P1-M/ZBF	5144709	1

Technical data		
CMS-P1-PLOTTER		
PA		
V2		
-40 ... 100		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZBF 17:UNBEDRUCKT	0815020	10
Accessories		
CMS-P1-M/ZBF	5144709	1

Technical data		
CMS-P1-PLOTTER		
PA		
V2		
-40 ... 100		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
ZBF 19,7:UNBEDRUCKT	0810627	10
Accessories		
CMS-P1-M/ZBF	5144709	1

Terminal marking

UniCard terminal marking for tall marker groove



- The UCT-TM... UniCard marking range includes markers for products with tall marker grooves
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely using the TOPMARK LASER, BLUEMARK..., and the THERMOMARK CARD
- The multi-section marking strips are easy to fit and can be easily separated if required
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

An overview of the terminal blocks that can be marked that are available from Phoenix Contact can be found starting on page 100.

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Markers for a terminal block width of up to 6.2 mm

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
PC
V0
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

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

UniCard, for marking terminal blocks with a marker groove, 102-section, 17 individual labels per strip, for a terminal block width of 3.5 mm

white
red
orange
yellow
violet
blue
green

UCT-TM 3,5
UCT-TM 3,5 RD
UCT-TM 3,5 OG
UCT-TM 3,5 YE
UCT-TM 3,5 VT
UCT-TM 3,5 BU
UCT-TM 3,5 GN

0829484
0829505
0829506
0829485
0829507
0829508
0829509

10
10
10
10
10
10
10

UniCard, for marking terminal blocks with a marker groove, 84-section, 14 individual labels per strip, for a terminal block width of 4.2 mm

white
red
orange
yellow
violet
blue
green

UCT-TM 4
UCT-TM 4 RD
UCT-TM 4 OG
UCT-TM 4 YE
UCT-TM 4 VT
UCT-TM 4 BU
UCT-TM 4 GN

0828732
0829149
0829150
0828733
0829151
0829152
0829153

10
10
10
10
10
10
10

UniCard, for marking terminal blocks with a marker groove, 72-section, 12 individual labels per strip, for a terminal block width of 5.2 mm

white
red
orange
yellow
violet
blue
green

UCT-TM 5
UCT-TM 5 RD
UCT-TM 5 OG
UCT-TM 5 YE
UCT-TM 5 VT
UCT-TM 5 BU
UCT-TM 5 GN

0828734
0829154
0829155
0828735
0829156
0829157
0829158

10
10
10
10
10
10
10

UniCard, for marking terminal blocks with a marker groove, 60-section, 10 individual labels per strip, for a terminal block width of 6.2 mm

white
red
orange
yellow
violet
blue
green

UCT-TM 6
UCT-TM 6 RD
UCT-TM 6 OG
UCT-TM 6 YE
UCT-TM 6 VT
UCT-TM 6 BU
UCT-TM 6 GN

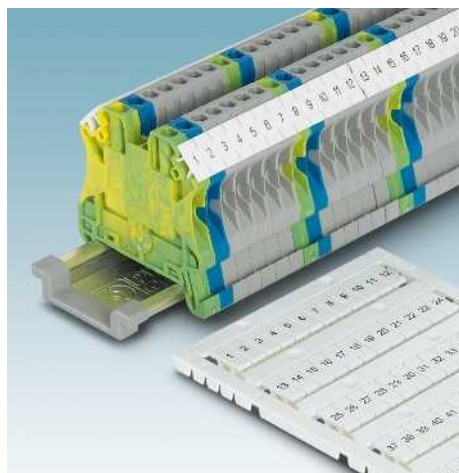
0828736
0829159
0829160
0828737
0829161
0829162
0829163

10
10
10
10
10
10
10

Magazine, for THERMOMARK CARD ...
for accommodating: UCT-TM ..., UCT1-TM ..., UCT5-TM ..., UCT-EM (5X10), UCT-EM (6X10)

Accessories

THERMOMARK CARD-UCT-MAG1	5146480	1
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UniCard terminal marking for tall marker groove

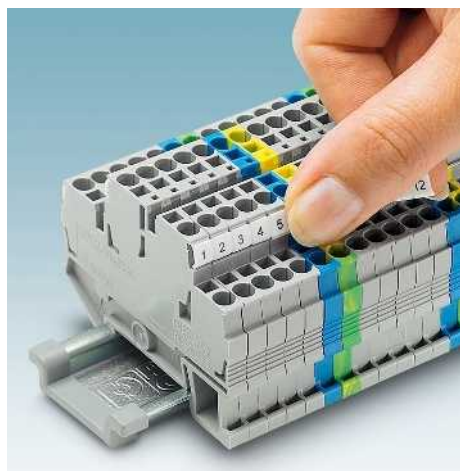


Markers for terminal block widths up to 16 mm

General data		Technical data		
Can be marked using		THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER		
Material		PC		
Inflammability class according to UL 94		V0		
Temperature range		-40 ... 120		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for marking terminal blocks with a marker groove, 48-section, 8 individual labels per strip, for a terminal block width of 7.62 mm	white	UCT-TM 7,62	0828738	10
	red	UCT-TM 7,62 RD	0829510	10
	orange	UCT-TM 7,62 OG	0829511	10
	yellow	UCT-TM 7,62 YE	0828739	10
	violet	UCT-TM 7,62 VT	0829512	10
	blue	UCT-TM 7,62 BU	0829513	10
	green	UCT-TM 7,62 GN	0829514	10
UniCard, for marking terminal blocks with a marker groove, 42-section, 7 individual labels per strip, for a terminal block width of 8.2 mm	white	UCT-TM 8	0828740	10
	red	UCT-TM 8 RD	0829164	10
	orange	UCT-TM 8 OG	0829165	10
	yellow	UCT-TM 8 YE	0828741	10
	violet	UCT-TM 8 VT	0829166	10
	blue	UCT-TM 8 BU	0829167	10
	green	UCT-TM 8 GN	0829168	10
UniCard, for marking terminal blocks with a marker groove, 36-section, 6 individual labels per strip, for a terminal block width of 10.2 mm	white	UCT-TM 10	0829142	10
	red	UCT-TM 10 RD	0829169	10
	orange	UCT-TM 10 OG	0829170	10
	yellow	UCT-TM 10 YE	0829143	10
	violet	UCT-TM 10 VT	0829171	10
	blue	UCT-TM 10 BU	0829172	10
	green	UCT-TM 10 GN	0829173	10
UniCard, for marking terminal blocks with a marker groove, 30-section, 5 individual labels per strip, for a terminal block width of 12 mm	white	UCT-TM 12	0829144	10
	red	UCT-TM 12 RD	0829174	10
	orange	UCT-TM 12 OG	0829175	10
	yellow	UCT-TM 12 YE	0829145	10
	violet	UCT-TM 12 VT	0829176	10
	blue	UCT-TM 12 BU	0829177	10
	green	UCT-TM 12 GN	0829178	10
UniCard, for marking terminal blocks with a marker groove, 18-section, 3 individual labels per strip, for a terminal block width of 16 mm	white	UCT-TM 16	0829146	10
	red	UCT-TM 16 RD	0829179	10
	orange	UCT-TM 16 OG	0829180	10
	yellow	UCT-TM 16 YE	0829147	10
	violet	UCT-TM 16 VT	0829181	10
	blue	UCT-TM 16 BU	0829182	10
	green	UCT-TM 16 GN	0829183	10

Terminal marking

UniCard terminal marking for flat marker groove



- The UCT-TMF ... UniCard marking range includes markers for products with tall and flat marker grooves
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely using the TOPMARK LASER, BLUEMARK..., and the THERMOMARK CARD
- The multi-section marking strips are easy to fit and can be easily separated if required
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

An overview of the terminal blocks that can be marked that are available from Phoenix Contact can be found starting on page 100

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Markers for a terminal block width of up to 6.2 mm

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

[°C]

Wipe resistance

Components

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER

PC

V0

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

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

UniCard, for marking terminal blocks with a flat marker groove, 108-section, 18 individual labels per strip, for a terminal block width of 3.5 mm

white
red
orange
yellow
violet
blue
green

UCT-TMF 3,5
UCT-TMF 3,5 RD
UCT-TMF 3,5 OG
UCT-TMF 3,5 YE
UCT-TMF 3,5 VT
UCT-TMF 3,5 BU
UCT-TMF 3,5 GN

0829486
0829515
0829516
0829487
0829517
0829518
0829519

10
10
10
10
10
10
10

UniCard, for marking terminal blocks with a flat marker groove, 90-section, 15 individual labels per strip, for a terminal block width of 4.2 mm

white
red
orange
yellow
violet
blue
green

UCT-TMF 4
UCT-TMF 4 RD
UCT-TMF 4 OG
UCT-TMF 4 YE
UCT-TMF 4 VT
UCT-TMF 4 BU
UCT-TMF 4 GN

0828742
0829184
0829185
0828743
0829186
0829187
0829188

10
10
10
10
10
10
10

UniCard, for marking terminal blocks with a flat marker groove, 72-section, 12 individual labels per strip, for a terminal block width of 5.2 mm

white
red
orange
yellow
violet
blue
green

UCT-TMF 5
UCT-TMF 5 RD
UCT-TMF 5 OG
UCT-TMF 5 YE
UCT-TMF 5 VT
UCT-TMF 5 BU
UCT-TMF 5 GN

0828744
0829189
0829190
0828745
0829191
0829192
0829193

10
10
10
10
10
10
10

UniCard, for marking terminal blocks with a flat marker groove, 60-section, 10 individual labels per strip, for a terminal block width of 6.2 mm

white
red
orange
yellow
violet
blue
green

UCT-TMF 6
UCT-TMF 6 RD
UCT-TMF 6 OG
UCT-TMF 6 YE
UCT-TMF 6 VT
UCT-TMF 6 BU
UCT-TMF 6 GN

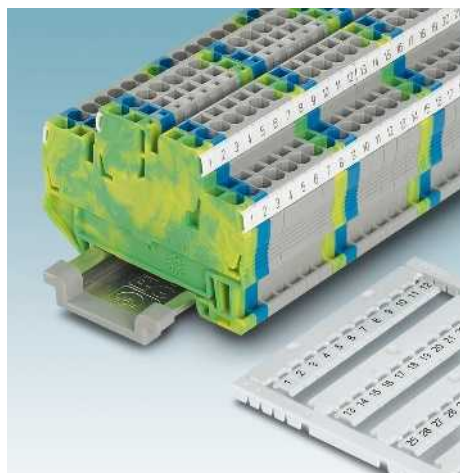
0828746
0829194
0829195
0828747
0829196
0829197
0829198

10
10
10
10
10
10
10

Magazine, for THERMOMARK CARD ..., for accommodating: UCT-TMF ...

Accessories

THERMOMARK CARD-UCT-MAG2	5146563	1
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UniCard terminal marking for flat marker groove



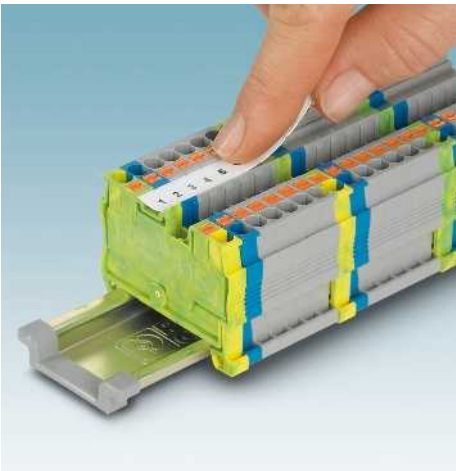
Markers for terminal block widths up to 16 mm

General data		Technical data		
Can be marked using		THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER		
Material		PC		
Inflammability class according to UL 94		V0		
Temperature range		-40 ... 120		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for marking terminal blocks with a flat marker groove, 42-section, 7 individual labels per strip, for a terminal block width of 8.2 mm	white	UCT-TMF 8	0828748	10
	red	UCT-TMF 8 RD	0829199	10
	orange	UCT-TMF 8 OG	0829200	10
	yellow	UCT-TMF 8 YE	0828749	10
	violet	UCT-TMF 8 VT	0829201	10
	blue	UCT-TMF 8 BU	0829202	10
	green	UCT-TMF 8 GN	0829203	10
UniCard, for marking terminal blocks with a flat marker groove, 36-section, 6 individual labels per strip, for a terminal block width of 10.2 mm	white	UCT-TMF 10	0829204	10
	red	UCT-TMF 10 RD	0829205	10
	orange	UCT-TMF 10 OG	0829206	10
	yellow	UCT-TMF 10 YE	0829207	10
	violet	UCT-TMF 10 VT	0829208	10
	blue	UCT-TMF 10 BU	0829209	10
	green	UCT-TMF 10 GN	0829210	10
UniCard, for marking terminal blocks with a flat marker groove, 30-section, 5 individual labels per strip, for a terminal block width of 12 mm	white	UCT-TMF 12	0829214	10
	red	UCT-TMF 12 RD	0829212	10
	orange	UCT-TMF 12 OG	0829213	10
	yellow	UCT-TMF 12 YE	0829211	10
	violet	UCT-TMF 12 VT	0829215	10
	blue	UCT-TMF 12 BU	0829216	10
	green	UCT-TMF 12 GN	0829217	10
UniCard, for marking terminal blocks with a flat marker groove, 24-section, 4 individual labels per strip, for a terminal block width of 16 mm	white	UCT-TMF 16	0829218	10
	red	UCT-TMF 16 RD	0829219	10
	orange	UCT-TMF 16 OG	0829220	10
	yellow	UCT-TMF 16 YE	0829221	10
	violet	UCT-TMF 16 VT	0829222	10
	blue	UCT-TMF 16 BU	0829223	10
	green	UCT-TMF 16 GN	0829224	10
		Accessories		
Magazine, for THERMOMARK CARD ..., for accommodating: UCT-TMF ...		THERMOMARK CARD-UCT-MAG2	5146563	1

Terminal marking

UniSheet terminal marking for a universal marker groove

Can be marked using:



Thermal transfer for sheets and cards

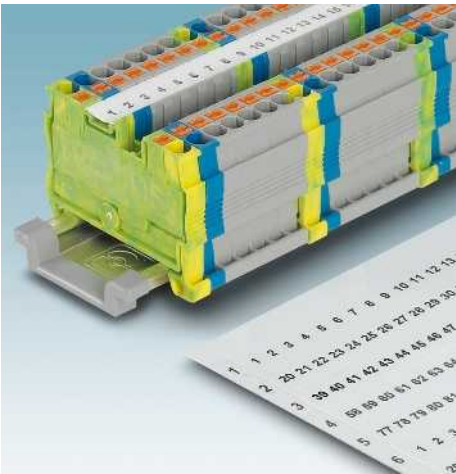


13 strips with a strip width of 104 mm

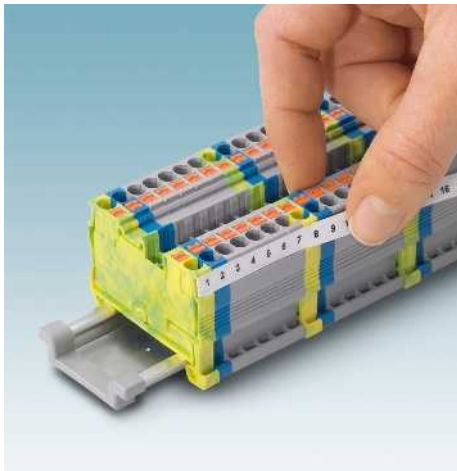
- The US-TM 100 UniSheet markers are suitable for products with universal marker grooves
- The markers, which are supplied as uniform cards, can be printed onto quickly, easily, and precisely using the THERMOMARK CARD
- The perforated marking strips are easy to separate and can be easily fitted
- The cards provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers in accordance with your requirements

Notes:
An overview of the terminal blocks that can be marked that are available from Phoenix Contact can be found starting on page 100.

General data		Technical data		
Can be marked using		THERMOMARK CARD		
Material		PVC		
Inflammability class according to UL 94		V0		
Temperature range		-30 ... 80		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Silicone-free		
Description		Ordering data		
UniSheet, for marking push-in terminal blocks with a special center groove		Type	Order No.	Pcs. / Pkt.
		US-TM 100	0829255	10
Magazine, for THERMOMARK CARD..., for accommodating all US-materials		Accessories		
		THERMOMARK CARD-US-MAG1	5146451	1



UniSheet terminal marking for a flat marker groove



- The US-TMF 100 UniSheet markers are suitable for products with a flat marker groove
- The markers, which are supplied as uniform cards, can be printed onto quickly, easily, and precisely using the THERMOMARK CARD
- The perforated marking strips are easy to separate and can be easily fitted
- The cards provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers in accordance with your requirements

Notes:

An overview of the terminal blocks that can be marked that are available from Phoenix Contact can be found starting on page 100

Can be marked using:



Thermal transfer for sheets and cards

PRINTED
FOR YOU



20 strips with a strip width of 104 mm

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Description	Color
UniSheet, for marking terminal blocks with a tall, flat or universal marker groove	white

Magazine, for THERMOMARK CARD..., for accommodating all US-materials

Technical data

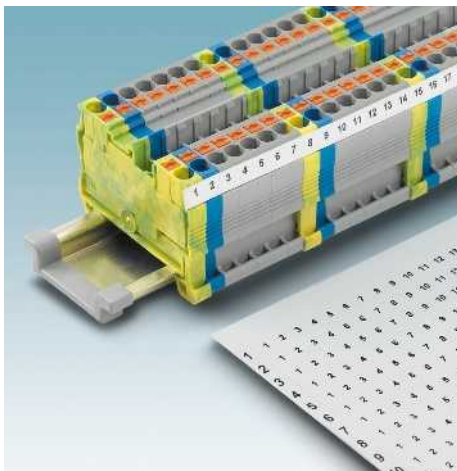
THERMOMARK CARD
PVC
V0
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Type	Order No.	Pcs. / Pkt.
US-TMF 100	0829260	10

Accessories

THERMOMARK CARD-US-MAG1	5146451	1
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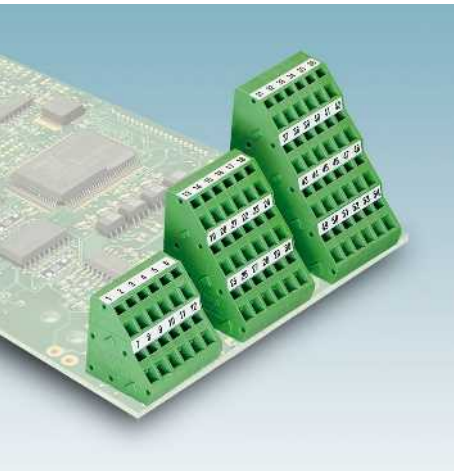
Terminal marking

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

Can be marked using:



Thermal transfer for sheets and cards



26 strips, 104 mm wide, 2.8 mm high

- The US-TML marking range includes self-adhesive marker strips for products without a marker groove
- The markers, which are supplied as uniform cards, can be printed onto quickly, easily, and precisely using the THERMOMARK CARD
- The perforated marking strips are easy to separate and can be easily fitted
- The cards provide space for including function texts

General data		Technical data			
Can be marked using		THERMOMARK CARD			
Number of individual labels		26			
Number of individual labels per strip		1			
Material		Polyester			
Temperature range		-40 ... 150			
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)			
Components		Free from silicone and halogen			
		Ordering data			
Description		Type	Order No.	Pcs. / Pkt.	
UniSheet,unprinted, for marking terminal blocks without marker groove		US-TML (104X2,8)	0830767	10	
Lettering field size: 104 x 2.8 mm					white
UniSheet,unprinted, for marking terminal blocks without marker groove					
Lettering field size: 104 x 3.8 mm					white
Lettering field size: 104 x 5 mm					
Lettering field size: 104 x 10 mm					
		Accessories			
Magazine, for THERMOMARK CARD..., for accommodating all US-materials		THERMOMARK CARD-US-MAG1	5146451	1	



22 strips, 104 mm wide, 3.8 mm high



19 strips, 104 mm wide, 5 mm high



11 strips, 104 mm wide, 10 mm high

Technical data		
THERMOMARK CARD		
22		
1		
Polyester		
-40 ... 150		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
US-TML (104X3,8)	0830768	10
Accessories		
THERMOMARK CARD-US-MAG1	5146451	1

Technical data		
THERMOMARK CARD		
19		
1		
Polyester		
-40 ... 150		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
US-TML (104X5)	0830769	10
Accessories		
THERMOMARK CARD-US-MAG1	5146451	1

Technical data		
THERMOMARK CARD		
11		
1		
Polyester		
-40 ... 150		
DIN EN 61010-1 (VDE 0411-1)		
Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
US-TML (104X10)	0830770	10
Accessories		
THERMOMARK CARD-US-MAG1	5146451	1

Marking and labeling - MARKING system

Terminal marking

Marker strips for terminal marking, for tall and flat marker grooves

Can be marked using:



Thermal transfer for rolls



Markers for terminal block widths up to 8.2 mm

- The TMT marking range includes markers for all products with tall and flat marker grooves
- The markers that are supplied on rolls can be quickly and cost-effectively marked using THERMOMARK printers
- The perforated marking strips are easy to separate and can be easily fitted using the tool supplied
- Marking service: Phoenix Contact can custom-mark all TMT markers in accordance with your requirements

Notes:

An overview of the terminal blocks that can be marked that are available from Phoenix Contact can be found starting on page 100.

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

General data

Can be marked using

Material

Temperature range

[°C]

Wipe resistance

Components

Description

Color

Markers, perforated, unprinted, for a terminal block width of 4.2 mm, for all terminal blocks with a tall, flat or universal marker groove, 1 roll = 1000 strips, 24,000 individual labels, 24 individual labels per strip, strip height: 6.4 mm, incl. TMT TOOL

white

Markers, as above, for a terminal block width of 5.2 mm, 1 roll = 1000 strips, 19,000 individual labels, 19 individual labels per strip, incl. TMT TOOL

white

Markers, as above, for a terminal block width of 6.2 mm, 1 roll = 1000 strips, 16,000 individual labels, 16 individual labels per strip, incl. TMT TOOL

white

Markers, as above, for a terminal block width of 8.2 mm, 1 roll = 1000 strips, 12,000 individual labels, 12 individual labels per strip, incl. TMT TOOL

white

Locking tool to snap into the TMT... materials¹⁾

orange

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1

Polyester

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
TMT 4 R	0816375	1
TMT 5 R	0816430	1
TMT 6 R	0816498	1
TMT 8 R	0816553	1

Accessories

TMT TOOL	0816650	1
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Marker strips for terminal marking, for tall and flat marker grooves

Notes:

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



Markers for a terminal block width of 10.2 mm

General data		Technical data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1		
Material		Polyester		
Temperature range	[°C]	-40 ... 120		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
Markers, perforated, unprinted , for all terminal blocks with a tall, flat or universal marker groove, 1 roll = 1000 strips, 10,000 individual labels, 10 individual labels per strip, strip height: 6.4 mm, incl. TMT TOOL				
	white	TMT 10 R	0816210	1
Markers , for terminal blocks, unperforated, unprinted , strip width: 101.5 mm, 1 roll = 1000 strips, 1000 individual labels, 1 individual label per strip, incl. TMT TOOL				
	white	TMT 100 R	0816605	1
		Accessories		
Locking tool to snap into the TMT... materials ¹⁾				
	orange	TMT TOOL	0816650	1

Marking and labeling - MARKING system

Terminal marking

Terminal marking, marker strips for tall and flat marker grooves

Can be marked using:



Thermal transfer for rolls

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Unmarked or marked according to customer specifications

- The TMT marking range includes markers for all products with tall and flat marker grooves
- Marking service: Phoenix Contact can custom-mark all TMT markers in accordance with your requirements

Notes:

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

General data

Can be marked using

Material
Material strength
Inflammability class according to UL 94
Temperature range
Wipe resistance
Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
PVC
0.50 mm
V0
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and cadmium

Ordering data

Description	Color
Insert strips , unprinted, 1 roll = 50 m, continuous	
Strip height: 5.5 mm	white
Strip height: 6.2 mm	white
Strip height: 6.5 mm	white
Strip height: 7.5 mm	white
Strip height: 8 mm	white
Strip height: 8.5 mm	white
Strip height: 9.5 mm	white
Strip height: 10 mm	white
Strip height: 10.5 mm	white
Strip height: 10.8 mm	white
Strip height: 12 mm	white

Type	Order No.	Pcs. / Pkt.
TMT (EX5,5)R	0803062	1
TMT (EX6,2)R	0803063	1
TMT (EX6,5)R	0803064	1
TMT (EX7,5)R	0803065	1
TMT (EX8)R	0803066	1
TMT (EX8,5)R	0803067	1
TMT (EX9,5)R	0828295	1
TMT (EX10)R	0803068	1
TMT (EX10,5)R	0803070	1
TMT2 (EX11)R	0802683	1
TMT (EX12)R	0803071	1

Locking tool to snap into the TMT... materials¹⁾

orange

External media hub, for roll diameters of 150 mm to 400 mm

Accessories

TMT TOOL	0816650	1
THERMOMARK ROLL-ERH	5146448	1

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

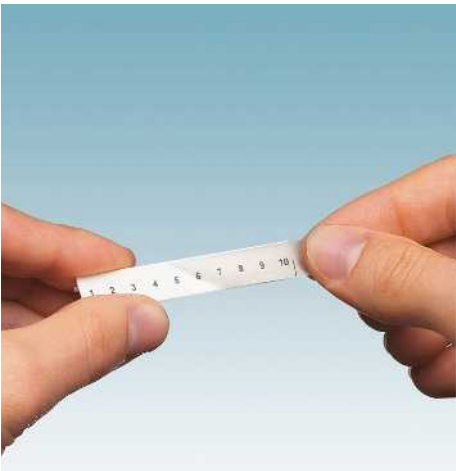


		TMT (EX5,5)R	TMT (EX6,2)R	TMT (EX6,5)R	TMT (EX7,5)R	TMT (EX8)R	TMT (EX8,5)R	TMT (EX9,5)R	TMT (EX10)R	TMT (EX10,5)R	TMT2 (EX11)R	TMT (EX12)R
TMT - markers, roll	0803062	0803063	0803064	0803065	0803066	0803067	0828295	0803068	0803070	0802683	0803071	
Strip height	5.5	6.2	6.5	7.5	8	8.5	9.5	10	10.5	10.8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

Terminal marking

Self-adhesive marker strips

Can be marked using:



Thermal transfer for rolls



Marker with strip width of 101.5 mm

- The products in the TML marking range allow subsequent marking of zack marker strip materials and flat zack marker strip materials using a marking foil
- The markers that are supplied on rolls can be quickly and cost-effectively marked using THERMOMARK printers
- Marking service: Phoenix Contact can custom-mark all TML markers in accordance with your requirements

Notes:
An overview of the terminal blocks that can be marked that are available from Phoenix Contact can be found starting on page 100

General data	
Can be marked using	
Number of individual labels per strip	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Description	Color
Marking foil for zack marker strip, unprinted, perforated, 1 roll = 1000 strips, strip length: 101 mm, strip height: 9.5 mm	transparent
Marking foil for zack marker strip, flat, unprinted, perforated, 1 roll = 1000 strips, strip length: 101 mm, strip height: 4.2 mm	transparent

Technical data		
THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1 • THERMOMARK ROLL X1		
1		
Polyester		
-40 ... 150		
DIN EN 61010-1 (VDE 0411-1)		
Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
TML (101X9,5)R TR	0816647	1
TML (101X4,2)R TR	0816621	1



Self-adhesive marker strips



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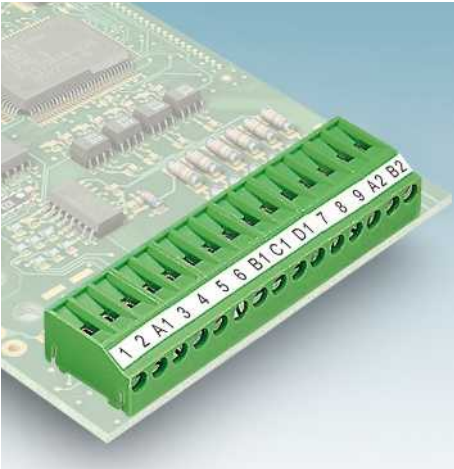


Marker with strip height of 9.5 mm and 4.2 mm,
continuous

General data		Technical data		
Can be marked using		THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1 • THERMOMARK ROLL X1		
Number of individual labels per strip		10		
Material		Polyester		
Temperature range	[°C]	-40 ... 150		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Silicone-free		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
Marking foil for zack marker strip, unprinted, 1 roll = 40 m continuous, strip height: 9.5 mm	transparent	TML (EX9,5)R TR	0816634	1
Marking foil for zack marker strip, flat, unprinted, 1 roll = 40 m continuous, strip height: 4.2 mm	transparent	TML (EX4,2)R TR	0816715	1
Marking foil for zack marker strip, unprinted, 1 roll = 30 m continuous, strip height: 7 mm	white	TML (EX7)R	0830837	1
Marking foil for zack marker strip, unprinted, 1 roll = 30 m continuous, strip height: 7 mm	silver	TML (EX7)R SR	0830838	1

Terminal marking

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



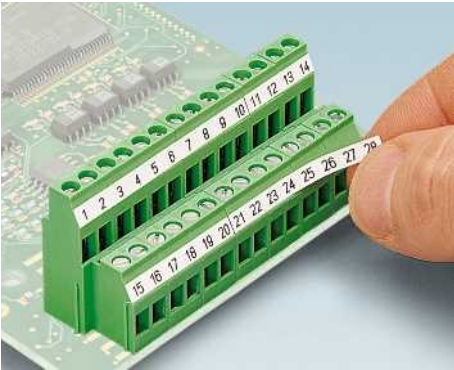
Thermal transfer for rolls



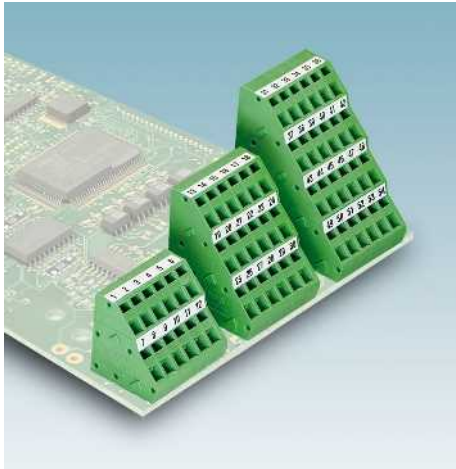
Unmarked

– The TML marking range provides self-adhesive marker strips for marking products that do not have a marker groove

General data		Technical data		
Can be marked using		THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1 • THERMOMARK ROLL X1		
Number of individual labels per strip		1		
Material		Polyester		
Temperature range		-40 ... 150		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
Self-adhesive marker strips, unprinted				
1 roll = 2500 strips, lettering field size: 104 x 2.8 mm	white	TML (104X2,8)R	0801832	1
1 roll = 2500 strips, lettering field size: 104 x 3.8 mm	white	TML (104X3,8)R	0801833	1
1 roll = 2500 strips, lettering field size: 104 x 5 mm	white	TML (104X5)R	0801834	1
1 roll = 1500 strips, lettering field size: 104 x 10 mm	white	TML (104X10)R	0801835	1



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



Thermal transfer for rolls



Unmarked

- The TML marking range provides self-adhesive marker strips for marking products that do not have a marker groove
- The marker strips are automatically perforated or cut to the required length during the printing process

General data

Can be marked using

Number of individual labels per strip

Material

Temperature range

[°C]

Wipe resistance

Components

Technical data

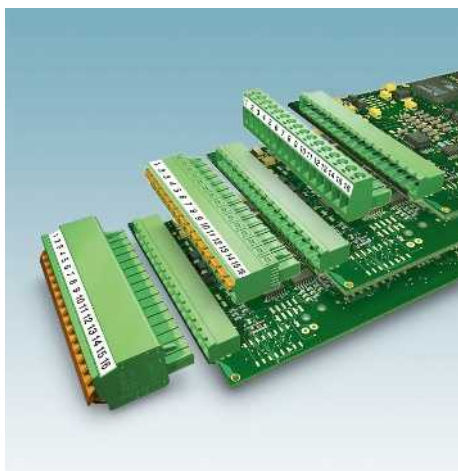
THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1 • THERMOMARK ROLL X1 14
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Self-adhesive marker strips, unprinted, continuous				
1 roll = 30 m continuous, strip height: 2.8 mm	white	TML (EX2,8)R	0801836	1
1 roll = 30 m continuous, strip height: 3.8 mm	white	TML (EX3,8)R	0801837	1
1 roll = 30 m continuous, strip height: 5 mm	white	TML (EX5)R	0801838	1
	white	TML (EX7)R	0830837	1
1 roll = 30 m continuous, strip height: 10 mm	white	TML (EX10)R	0801839	1

Terminal marking

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



- The SK range of self-adhesive labels can be used to label products that do not feature a marker groove
- The markers that are supplied on rolls can be quickly and cost-effectively marked using THERMOMARK printers
- The markers that are supplied as cards can be easily marked using standard laser printers
- Ideal for marking COMBICON connectors
- Marking service: Phoenix Contact can custom-mark SK markers in accordance with your requirements



Markers marked up to 5.08 mm pitch

General data	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

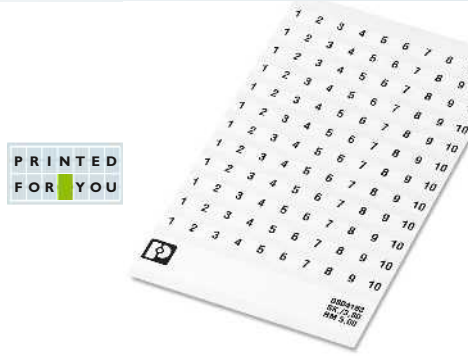
Technical data	
Polyester	
-40 ... 150	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Description	Color
Marker card, printed horizontally , self-adhesive, 10-section marker strips, 14 identical sets of ten marked, e.g., 1 - 10, 11 - 20, and so on up to 91 - 99, enough to label 140 terminal blocks	white
Marker card, printed horizontally , self-adhesive, 10-section marker strips, 14 identical sets of ten marked, e.g., 1 - 10, 11 - 20, and so on up to 91 - 99, enough to label 140 terminal blocks	white
Marker card, printed horizontally , self-adhesive, 10-section marker strips, 14 identical sets of ten marked, e.g., 1 - 10, 11 - 20, and so on up to 91 - 99, enough to label 140 terminal blocks	white
Marker card, printed horizontally , self-adhesive, 10-section marker strips, 14 identical sets of ten marked, e.g., 1 - 10, 11 - 20, and so on up to 91 - 100, enough to label 140 terminal blocks	white
Marker card, unprinted , DIN A4 format, pitch as desired, self-adhesive, with 50 perforated marker strips, strip length of 185 mm	white
Self-adhesive marker strips, unprinted, continuous , material off the roll, for marking with thermal transfer printer, can be separated using cutter, pitch as desired, strip length of up to 1000 mm, 14 strips, strip height of 2.8 mm, 1 roll = 90 m	white

Ordering data		
Type	Order No.	Pcs. / Pkt.
SK 2,54/2,8:FORTL.ZAHLEN	0804853	10
SK 3,5/2,8:FORTL.ZAHLEN	0804073	10
SK 3,81/2,8:FORTL.ZAHLEN	0804109	10
SK 5,08/2,8:FORTL.ZAHLEN	0804280	10
SK U/2,8 WH:UNBEDRUCKT	0803883	10
SK 2,8 WH:REEL	0805205	1



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



Markers marked up to 7.62 mm pitch

General data		Technical data		
Material		Polyester		
Temperature range	[°C]	-40 ... 150		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
Marker card, printed horizontally , self-adhesive, 10-section marker strip, 12 identical sets of ten marked, for example, with 1-10, 11-20 etc. up to 91-100, sufficient for 120 terminal blocks				
	white	SK 5/3,8:FORTL.ZAHLEN	0804183	10
Marker card, printed horizontally , self-adhesive, 10-section marker strip, 12 identical sets of ten marked, for example, with 1-10, 11-20 etc. up to 91-100, sufficient for 120 terminal blocks				
	white	SK 5,08/3,8:FORTL.ZAHLEN	0804293	10
Marker card, printed horizontally , self-adhesive, 10-section marker strip, 12 identical sets of ten marked, for example, with 1-10, 11-20 etc. up to 91-100, sufficient for 120 terminal blocks				
	white	SK 6,2/3,8:FORTL.ZAHLEN	0804374	10
Marker card, printed horizontally , self-adhesive, 10-section marker strip, 12 identical sets of ten marked, for example, with 1-10, 11-20 etc. up to 91-100, sufficient for 120 terminal blocks				
	white	SK 7,5/3,8:FORTL.ZAHLEN	0804455	10
Marker card, printed horizontally , self-adhesive, 10-section marker strip, 12 identical sets of ten marked, for example, with 1-10, 11-20 etc. up to 91-100, sufficient for 120 terminal blocks				
	white	SK 7,62/3,8:FORTL.ZAHLEN	0804549	10
Marker card, unprinted , DIN A4 format, pitch as desired, self-adhesive, with 40 perforated marker strips, strip length of 185 mm				
	white	SK U/3,8 WH:UNBEDRUCKT	0803906	10
Self-adhesive marker strips, unprinted, continuous , material off the roll, for marking with thermal transfer printer, can be separated using cutter, pitch as desired, strip length of up to 1000 mm, 12 strips, strip height of 3.8 mm, 1 roll = 90 m				
	white	SK 3,8 WH:REEL	0805218	1

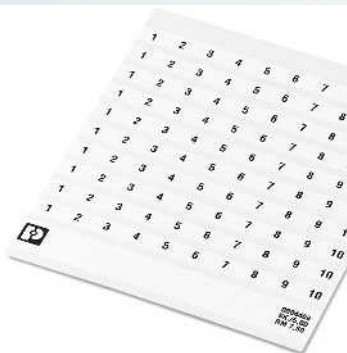
Marking and labeling - MARKING system

Terminal marking

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

- The SK range of self-adhesive labels can be used to label products that do not feature a marker groove
- Marking service: Phoenix Contact can custom-mark all SK markers according to your requirements

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Markers marked with 7.5 mm pitch

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Markers marked with 7.62 mm pitch

General data		Technical data			Technical data		
Material		Polyester			Polyester		
Temperature range	[°C]	-40 ... 150			-40 ... 150		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)			DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen			Free from silicone and halogen		
Description		Ordering data			Ordering data		
	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Marker card, printed horizontally , self-adhesive, 10-section marker strip, 10 identical sets of ten marked 1-10, 11-20 etc. up to 91-100, for example, sufficient for 100 terminal blocks							
	white	SK 7,5/5:FORTL.ZAHLEN	0804468	10	SK 7,62/5:FORTL.ZAHLEN	0804552	10
Marker card, unprinted , DIN A4 format, pitch as desired, self-adhesive, with 35 perforated marker strips, strip length of 185 mm							
	white	SK U/5,0 WH:UNBEDRUCKT	0803922	10	SK U/5,0 WH:UNBEDRUCKT	0803922	10
Self-adhesive marker strips, unprinted, continuous , material off the roll, for marking with thermal transfer printer, can be separated using cutter, pitch as desired, strip length of up to 1000 mm, 10 strips, strip height of 5.0 mm, 1 roll = 90 m							
	white	SK 5,0 WH:REEL	0805221	1	SK 5,0 WH:REEL	0805221	1

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



Markers with a strip length of up to 1000 mm

Markers with a strip length of up to 185 mm

General data		Technical data			Technical data		
Can be marked using		THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1 • THERMOMARK ROLL X1			CMS-P1-PLOTTER • Office printing systems		
Material		Polyester			Polyester		
Temperature range		-40 ... 150			-40 ... 150		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)			DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen			Free from silicone and halogen		
Ordering data		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Self-adhesive marker strips, unprinted, continuous, material off the roll, for marking with thermal transfer printer, can be separated using cutter, pitch as desired, strip length of up to 1000 mm, 14 strips, strip height of 2.8 mm, 1 roll = 90 m	white	SK 2,8 WH:REEL	0805205	1			
Self-adhesive marker strips, unprinted, continuous, material off the roll, for marking with thermal transfer printer, can be separated using cutter, pitch as desired, strip length of up to 1000 mm, 12 strips, strip height of 3.8 mm, 1 roll = 90 m	white	SK 3,8 WH:REEL	0805218	1			
Self-adhesive marker strips, unprinted, continuous, material off the roll, for marking with thermal transfer printer, can be separated using cutter, pitch as desired, strip length of up to 1000 mm, 10 strips, strip height of 5.0 mm, 1 roll = 90 m	white	SK 5,0 WH:REEL	0805221	1			
Self-adhesive marker strips, unprinted, continuous, material off the roll, for marking with thermal transfer printer, can be separated using cutter, pitch as desired, strip length of up to 1000 mm, 7 strips, strip height of 10 mm, 1 roll = 90 m	white	SK 10,0 WH:REEL	0812188	1			
Marker card, unprinted, DIN A4 format, pitch as desired, self-adhesive, with 50 perforated marker strips, strip length of 185 mm	white				SK U/2,8 WH:UNBEDRUCKT	0803883	10
Marker card, unprinted, DIN A4 format, pitch as desired, self-adhesive, with 40 perforated marker strips, strip length of 185 mm	white				SK U/3,8 WH:UNBEDRUCKT	0803906	10
Marker card, unprinted, DIN A4 format, pitch as desired, self-adhesive, with 35 perforated marker strips, strip length of 185 mm	white				SK U/5,0 WH:UNBEDRUCKT	0803922	10

Marking and labeling - MARKING system

Terminal marking

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

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Unmarked or marked according to customer specifications

- Group marking which saves space
- Large marking option
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the TOPMARK LASER, BLUEMARK..., and THERMOMARK CARD
- The format automatically ensures printing with a high level of positional accuracy
- The markers support multiline marking
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

Wipe resistance

Components

[°C]

Description

Color

UniCard, can be marked with THERMOMARK CARD and BLUEMARK, 24-section, 8 individual labels per strip, lettering field size: 30 x 5 mm

white
yellow

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

Magazine, for THERMOMARK CARD ..., for accommodating: UCT-EM (30X5)

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER

PC

V0

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-EM (30X5)	0801505	10
UCT-EM (30X5) YE	0830340	10

Accessories

CLIPFIX 35-5	3022276	50
THERMOMARK CARD-UCT-MAG10	0801737	1

Marking of terminal block groups for snapping into tall marker grooves

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



3.5 mm and 5.2 mm pitch



29 mm pitch

General data

Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Components	

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

Group marking label, can be snapped into terminal center, can be marked with an EML (24X3)R or EML (25,4X12,7)R... label or manually with B-STIFT or X-PEN, in the foot part with ZB 3,5

gray

gray

Group marking label, can be snapped into terminal center, can be marked with an EML (24X4)R or EML (25,4X12,7)R label or manually with B-STIFT or X-PEN, in the foot part with ZB 5, UC-TM 5

gray

gray

Group marking label, can be snapped into terminal center, can be marked with ESL 26 x 6 or EMT (25 x 6) R insert strips, in foot part with zack marker strip ZB, length: 29 mm

gray

Labels for thermal transfer printer

2500 labels per roll	white
2500 labels per roll	white
1000 labels per roll	white

Insert strip for laser printer, perforated, for terminal strip marker KLM, marking field: 26 x 6 mm

Lettering field size: 26 x 6 mm

white

Insert labels for thermal transfer printer, halogen-free

Lettering field size: 25 x 6 mm, 5000 labels per roll

white

Technical data

PA
V2
-40 ... 120
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
GBS 3,5-25X3,5	0830290	100
GBS 3,5-25X12	0830292	100
GBS 5-25X5	0829126	100
GBS 5-25X12	0810588	100

Accessories

EML (24X3)R	0830291	1
EML (25,4X12,7)R	0816825	1
EML (24X4)R	0800061	1

Technical data

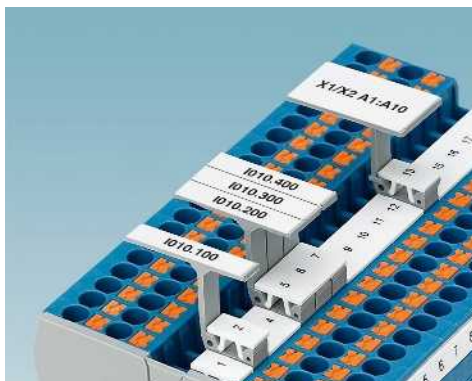
PA / PC
V2
-40 ... 100
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
GBS-ZB/26X6	0809298	50

Accessories

ESL 26X6	0808105	10
EMT (25X6)R	0817264	1



Marking and labeling - MARKING system

Terminal marking

Marker carrier for STP ... multi-level terminal blocks



STP ...

- The marking areas of wired multiple-level terminal blocks are increased in size using the marker carriers
- Depending on version, the marker carriers are placed in the receivers on the upper terminal block level

STP ...-ZB

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

CARRIER-TM 300

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

CARRIER-TMD 300

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



General data	
Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 100
Components	Free from silicone and halogen

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

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

Double marker carrier, can be snapped into push-in double-level terminal blocks PTTB 1,5/S, can be marked with ZB 3,5 or ZBF 3,5

Triple marker carrier, can be snapped into the push-in three-level terminal block PT 1,5/S-3..., can be marked with ZB 3,5 or ZBF 3,5

Double marker carrier, can be snapped into the double-level terminal blocks STTB 1,5, PTTB 1,5, can be marked with UC-TM 4, ZB 4 or UC-TMF 4, ZBF 4

Double marker carrier, can be snapped into STTB 2,5, STTB 4, PTTB 2,5, PTTB 4 double-level terminal blocks, can be marked with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5

Three-compartment marker carrier, can be snapped into ST 2,5-3... and PT 2,5-3... three-level terminal blocks, can be marked with UC-TMF 5 and ZBF 5 or ...TM 5 and ZB 5

Double marker carrier, snaps into double-level fast connection terminal blocks, QTTCB ... and QTTCBS, can be marked with ZB 5 and ZBF 5

Double marker carrier, snaps into all terminal blocks with a width of 4.2 mm and a zack marker strip center groove, can be marked with ZB 4 or ZBF 4

Double marker carrier, can be snapped into all terminal blocks with a width of 5.2 mm or above and a zack marker strip center groove, can be marked with ZB 5 or ZBF 5

Marker adapter, 300 mm long, can be snapped into the lateral groove on modular terminal blocks, designed to accommodate ZB ... or UC-TM ...

Marker adapter, double row, 300 mm long, can be snapped into the center groove on modular terminal blocks, designed to accommodate two ZB ... or UC-TM ...

Marker adapters, such as the CARRIER-TM 300; marking area at an angle to the top of the terminal block

Ordering data

Type	Order No.	Pcs. / Pkt.
STP 3,5-2	0830131	100
STP 3,5-3	0830132	100
STP 4-2	0810575	100
STP 5-2	0800967	100
STP 5-3	0810562	100
STP 5-2/S	0800970	100
STP 4-2-ZB	3038613	100
STP 5-2-ZB	3037643	100
CARRIER-TM 300	0828282	25
CARRIER-TMD 300	0828693	25
CARRIER-TMH 300	0830670	25

WS... warning labels



- Warning labels and warning covers serve to cover and identify mains terminal blocks
- This prevents accidental actuation of the terminal points
- The warning labels snap into the screw shafts of the relevant terminal
- Can be isolated lengthwise and crosswise



Warning labels for terminals from the UT ... and ST ... series

General data

Material
Wipe resistance

Technical data

PA
DIN EN 61010-1 (VDE 0411-1)

Ordering data

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



Terminal marking

Terminal marking for Phoenix Contact



Large terminal block markers for central and side marking

UC-TM 4	UC-TM 5	UC-TM 6	UC-TM 8	UC-TM 10	UC-TM 12	UC-TM 16
see page 56 onwards						
ZB 4	ZB 5	ZB 6	ZB 8	ZB 10	ZB 12	ZB 16
see page 62 onwards						
UCT-TM 4	UCT-TM 5	UCT-TM 6	UCT-TM 8	UCT-TM 10	UCT-TM 12	UCT-TM 16
see page 76 onwards						
TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
see page 84 onwards						

	Pitch	4	5	6	8	10	12	16
Screw terminal blocks								
UT 2,5..., UTTB 2,5..., UTN 2,5..., MUT 2,5...	5							
UT 4..., UTTB 4..., UTME(D) 4..., UTN 4..., USST 4...	6							
UT 6..., UTME(D) 6..., UTN 6..., USST 6...	8							
UT 10..., UTN 10..., USST 10...	10							
UT 16..., UTI 16...	12							
UT 35	16							
UK 1,5 N..., USLKG 1,5 N	4							
UK 2,5 N..., USLKG 2,5 N, UK 3 N..., USLKG 3, UKK(B) 3..., UDK 3..., MTK(D)...	5							
UK 5 N..., USLKG 5 N, UDK 4..., UKK(B) 5, UDMTK(B) 5..., UKN 2,5..., UKN 5..., PIK 4..., SSK 0525...	6							
UK 6 N..., USLKG 6 N, UKN 6..., PIK 6..., URTK..., UGSK..., URDK..., UK 6-T..., SSK 110	8							
UK 10 N..., USLKG 10 N, UKKB 10..., UKN 10..., SK 116...	10							
U(I)K 16..., U(I)SLKG 16, UIKN 16...	12							
U(I)K 35..., U(I)SLKG 35, UIKN 35..., SSK 135...	15							
UKH..., USLKG 50/95, USLKG 50/70/95	> 16							
DIK(D) 1,5..., DOK(D) 1,5..., VIOK 1,5..., DLK(B) 2,5..., SLKK 5...	6							
UVKB 4..., UHK 4..., USK 4..., UK 4..., UKK 4..., VBST 4...	6							
UK 5-HESI..., UKK 5-HESI..., UK-SI..., UK 6-FSI..., UK 10-DREHSI...	8							
UK 6,3-HESI..., USIG...	10							
MT 1,5..., MTTB 1,5...	4							
MBK 6..., MSLKG 6	8							
DFK 4...	6							
DFK 5...	9.5							
UW(V) 4...	8							
UW(V) 10.../16.../25...	≥ 10							
HDFK(V) 50..., HDFK(V) 95...,	> 18							

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

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



Small terminal block markers for central and side marking

UC-TMF 4	UC-TMF 5	UC-TMF 6	UC-TMF 8	UC-TMF 10	UC-TMF 12	UC-TMF 16	US-TMF 100
see page 58 onwards							81
ZBF 4	ZBF 5	ZBF 6	ZBF 8	ZBF 10	ZBF 12	ZBF 16	
see page 70 onwards							
UCT-TMF 4	UCT-TMF 5	UCT-TMF 6	UCT-TMF 8	UCT-TMF 10	UCT-TMF 12	UCT-TMF 16	
see page 78 onwards							
TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R	
see page 84 onwards							
Pitch	4	5	6	8	10	12	16

Screw terminal blocks

UT 2,5..., UTTB 2,5..., UTN 2,5..., MUT 2,5..., UTI 2,5...	5							
UT 4..., UTTB 4..., UTME(D) 4..., UTN 4..., USST 4...	6							
UT 6..., UTME(D) 6..., UTN 6..., USST 6...	8							
UT 10..., UTN 10..., USST 10...	10							
UT 16..., UTI 16...	12							
UT 35	16							
UK 1,5 N..., USLKG 1,5 N	4							
UK 2,5 N..., USLKG 2,5 N, UK 3 N..., USLKG 3, UKK(B) 3..., UDK 3..., MTK(D)...	5							
UK 5 N..., USLKG 5 N, UDK 4..., UKK(B) 5, UD-MTK(B) 5..., UKN 2,5..., UKN 5..., PIK 4..., SSK 0525	6							
UK 6 N..., USLKG 6 N, UKN 6..., PIK 6..., URTK..., UGSK..., URDK..., UK 6-T, SSK 110	8							
UK 10 N..., USLKG 10 N, UKKB 10..., UKN 10..., SSK 116	10							
U(I)K 16..., U(I)SLKG 16, UIKN 16...	12							
U(I)K 35..., U(I)SLKG 35, UIKN 35..., SSK 135	15							
UKH..., USLKG 50/95, USLKG 50/70/95	> 16							
DIK(D) 1,5..., DOK(D) 1,5..., VIOK 1,5..., DLK(B) 2,5..., SLKK 5...	6							
UVKB 4..., UHK 4..., USK 4..., UK 4..., UKK 4..., VBST 4...	6							
UK 5-HESI..., UKK 5-HESI..., UK-SI..., UK 6-FSI..., UK 10-DREHSI...	8							
UK 6,3-HESI..., UK 10,3 HESI..., USIG...	10							
MT 1,5..., MTTB 1,5...	4							
MBK 6..., MSLKG 6	8							
DFK 4...	6							
DFK 5...	9.5							
UW(V) 4...	8							
UW(V) 10.../16.../25...	≥ 10							
HDFK(V) 50..., HDFK(V) 95...	> 18							

Terminal marking

Terminal marking for Phoenix Contact



Large terminal block markers for central marking

	UC-TM 4	UC-TM 5	UC-TM 6		UC-TM 8	UC-TM 10	UC-TM 12	UC-TM 16
see page 56 onwards								
ZB 3,5	ZB 4	ZB 5	ZB 6	ZB 7,62	ZB 8	ZB 10	ZB 12	ZB 16
see page 62 onwards								
UCT-TM 3,5	UCT-TM 4	UCT-TM 5	UCT-TM 6	UCT-TM 7,62	UCT-TM 8	UCT-TM 10	UCT-TM 12	UCT-TM 16
see page 76 onwards								
	TMT 4 R	TMT 5 R	TMT 6 R		TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
see page 84 onwards								
3.5	4	5	6	7.62	8	10	12	16

Spring-cage terminal blocks

ST 1,5/S-QUATTRO	3.5								
ST 1,5...	4								
ST 2,5... (except ST 2,5-3L)	5								
ST 4..., STTB 4...	6								
ST 6..., STME(D) 6...	8								
ST 10...	10								
ST 16...	12								
ST 35...	16								
ST 4-HESI (6,3 x 32), ST 4-FSI...	8								
STU 2,5...	5								
STU 4..., STTBU 4...	6								
STU 10...	10								
STU 35...	16								
STS 2,5..., STTBS 2,5...	5								
STS 4..., STTBS 4...	6								
STS 6...	8								
STI 2,5..., STN 2,5...	5								
STI 4..., STN 4...	6								
STI 10..., STN 10...	10								
STI 16..., STN 16...	12								
STN 35...	16								
SRTK 6..., SGSK 6..., SRDK 6...	8								
ZRV...	7.62								
ZRTK..., ZGSK..., ZRDK...	8								

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

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



Small terminal block markers for central and side marking

	UC-TMF 4	UC-TMF 5	UC-TMF 6	UC-TMF 8	UC-TMF 10	UC-TMF 12	UC-TMF 16	US-TMF 100
	see page 58 onwards							81
ZBF 3,5	ZBF 4	ZBF 5	ZBF 6	ZBF 8	ZBF 10	ZBF 12	ZBF 16	
	see page 70 onwards							
UCT-TMF 3,5	UCT-TMF 4	UCT-TMF 5	UCT-TMF 6	UCT-TMF 8	UCT-TMF 10	UCT-TMF 12	UCT-TMF 16	
	see page 78 onwards							
	TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R	
	see page 84 onwards							
Pitch	3.5	4	5	6	8	10	12	16

Spring-cage terminal blocks

ST 1,5/S-QUATTRO	3.5								
ST 1,5..., STTB 1,5...	4								
ST 2,5..., STTB 2,5..., ST 2,5-3..., STIO...	5								
ST 4..., STTB 4...	6								
ST 6..., STME(D) 6...	8								
ST 10...	10								
ST 16...	12								
ST 35...	16								
ST 4-HESI (6,3 x 32), ST 4-FSI...	8								
STU 2,5...	5								
STU 4..., STTBU 4...	6								
STU 10...	10								
STU 35...	16								
STS 2,5..., STTBS 2,5...	5								
STS 4..., STTBS 4...	6								
STS 6...	8								
STI 2,5..., STN 2,5...	5								
STI 4..., STN 4...	6								
STI 10..., STN 10...	10								
STI 16..., STN 16...	12								
STN 35...	16								
SRTK 6..., SGSK 6..., SRDK 6...	8								
ZRV...	7.62								
ZRTK..., ZGSK..., ZRDK...	8								
ZFK 6-DREHSI...	12								
ZFKK 2,5...	5								
ZDMTK 2,5...	6								
ZPV...	5								
MZFKK 1,5...	5								
MSB(V) 2,5.../MSDB(V) 2,5...	5/10								

Terminal marking

Terminal marking for Phoenix Contact



Large terminal block markers for central marking

	UC-TM 4	UC-TM 5	UC-TM 6	UC-TM 8	UC-TM 10	UC-TM 12	UC-TM 16	US-TM 100
	see page 56 onwards							81
ZB 3,5	ZB 4	ZB 5	ZB 6	ZB 8	ZB 10	ZB 12	ZB 16	
	see page 62 onwards							
UCT-TM 3,5	UCT-TM 4	UCT-TM 5	UCT-TM 6	UCT-TM 8	UCT-TM 10	UCT-TM 12	UCT-TM 16	
	see page 76 onwards							
	TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R	
	see page 84 onwards							
Pitch	3.5	4	5	6	8	10	12	16

Push-in connection terminal blocks

PT 1,5/S..., PTTB 1,5/S..., PTS 1,5/S..., PTTBS 1,5/S...	3.5								
PT 2,5..., PTTB 2,5..., PTTBS 2,5..., PTI 2,5..., PTN 2,5..., PTS 2,5..., PTU 2,5...	5								
PT 4..., PTME(D) 4..., PTTB 4..., PTI 4..., PTN 4..., PTU 4...	6								
PT 6..., PTME 6..., PTI 6..., PTN 6...	8								
PT 10...	10								
PT 16...	12								
PTPOWER...	25								

Fast connection terminal blocks

QTC(U)(S) 1,5...,	5								
QTC(U)(S) 2,5...,	6								

Bolt connection terminal blocks

OTTA 2,5...	9								
OTTA 6...	11								
OTTA 25...	18								
RT(O) 3..., RBO...	12								
RT(O) 5...	16								
RT(O) 8...	20								
HV M.../1, HV M.../2	> 13								
UHV 25- UHV 240	> 26								

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

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



Small terminal block markers
for central and side marking

	UC-TMF 4	UC-TMF 5	UC-TMF 6	UC-TMF 8	UC-TMF 10	UC-TMF 12	UC-TMF 16	US-TMF 100
	see page 58 onwards							81
ZBF 3,5	ZBF 4	ZBF 5	ZBF 6	ZBF 8	ZBF 10	ZBF 12	ZBF 16	
	see page 70 onwards							
UCT-TMF 3,5	UCT-TMF 4	UCT-TMF 5	UCT-TMF 6	UCT-TMF 8	UCT-TMF 10	UCT-TMF 12	UCT-TMF 16	
	see page 78 onwards							
	TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R	
	see page 84 onwards							
Pitch	3.5	4	5	6	8	10	12	16

Push-in connection terminal blocks

PT 1,5/S..., PTTB 1,5/S..., PTIO..., PTS 1,5/S..., PTTBS 1,5/S, MPT 1,5/S...	3.5								
PT 2,5..., PTTB 2,5..., PTTBS 2,5..., PTI 2,5..., PTN 2,5..., PTS 2,5..., PTU 2,5..., MPT 2,5...	5								
PT 4..., PTME(D) 4..., PTTB 4..., PTI 4..., PTN 4..., PTU 4	6								
PT 6..., PTME 6..., PTI 6..., PTN 6...	8								
PT 10...	10								
PT 16...	12								
PTPOWER...	25								

Fast connection terminal blocks

QTC(U)(S) 1,5..., QTTCB(U (S) 1,5...	5								
QTC(U)(S) 2,5...,	6								

Bolt connection terminal blocks

OTTA 2,5...	9								
OTTA 6...	11								
OTTA 25...	18								
RT(O) 3...	12								
RT(O) 5...	16								
RT(O) 8...	20								
HV M.../1, HV M.../2	> 13								
UHV 25- UHV 240	> 26								

COMBI plugs and couplings

UPBV 2,5..., SP(V) 2,5..., SP-H 2,5 ..., SP(D)B 2,5..., SC 2,5...	5								
UP 4..., UPBV 4...	5								
SP 4..., SC 4...	6								
PP-H 1,5/S..., PPC 1,5/S...	3.5								
PP-H 2,5..., QP 1,5...	5								
UP 6...	8								
PP-H 4...	6								
PP-H 6..., PPC 6...	8								

Terminal marking

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

Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm



- The UC1-TM ... UniCard marking range includes markers for Weidmüller, Conta-Clip, and Klemmsan terminal blocks
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The multi-section marking strips are easy to fit and can be easily separated if required
- The markers support multiline marking
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

An overview of terminal blocks that can be marked can be found on page 126 onwards.

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Description

UniCard, for marking terminal blocks from other manufacturers, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm

white
red
orange
yellow
blue
green

UniCard, for marking terminal blocks from other manufacturers, offset foot, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm

white

UniCard, for marking terminal blocks from other manufacturers, 80-section, 10 individual labels per strip, for a terminal block width of 6 mm

white
red
orange
yellow
blue
green

UniCard, for marking terminal blocks from other manufacturers, 64-section, 8 individual labels per strip, for a terminal block width of 8 mm

white
red
orange
yellow
blue
green

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC1-TM 5	0821784	10
UC1-TM 5 RD	0828185	10
UC1-TM 5 OG	0828186	10
UC1-TM 5 YE	0828187	10
UC1-TM 5 BU	0828188	10
UC1-TM 5 GN	0828189	10
UC1U-TM 5	0821302	10
UC1-TM 6	0821247	10
UC1-TM 6 RD	0828190	10
UC1-TM 6 OG	0828191	10
UC1-TM 6 YE	0828192	10
UC1-TM 6 BU	0828193	10
UC1-TM 6 GN	0828194	10
UC1-TM 8	0821739	10
UC1-TM 8 RD	0828195	10
UC1-TM 8 OG	0828196	10
UC1-TM 8 YE	0828197	10
UC1-TM 8 BU	0828198	10
UC1-TM 8 GN	0828199	10

Accessories

Magazine, for CMS-P1-PLOTTER

P1 UC-MAG 5	5146118	1
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UniCard marking for terminal blocks from other manufacturers with a flat marker groove

Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm



- The UC1-TMF ... UniCard marking range includes markers for Weidmüller, Wago, ABB (entrelec), Conta-Clip, and Klemmsan terminal blocks
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The multi-section marking strips are easy to fit and can be easily separated if required
- The markers support multiline marking
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

An overview of terminal blocks that can be marked can be found on page 126 onwards.

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

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

UniCard, for marking terminal blocks from other manufacturers, 120-section, 15 individual labels per strip, for a terminal block width of 4 mm

white
red
orange
yellow
blue
green

UniCard, for marking terminal blocks from other manufacturers, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm

white
red
orange
yellow
blue
green

UniCard, for marking terminal blocks from other manufacturers, 80-section, 10 individual labels per strip, for a terminal block width of 6 mm

white
red
orange
yellow
blue
green

UniCard, for marking terminal blocks from other manufacturers, 64-section, 8 individual labels per strip, for a terminal block width of 8 mm

white
red
orange
yellow
blue
green

Magazine, for CMS-P1-PLOTTER

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC1-TMF 4	0821360	10
UC1-TMF 4 RD	0828200	10
UC1-TMF 4 OG	0828201	10
UC1-TMF 4 YE	0828202	10
UC1-TMF 4 BU	0828203	10
UC1-TMF 4 GN	0828204	10
UC1-TMF 5	0821425	10
UC1-TMF 5 RD	0828205	10
UC1-TMF 5 OG	0828206	10
UC1-TMF 5 YE	0828207	10
UC1-TMF 5 BU	0828207	10
UC1-TMF 5 GN	0828208	10
UC1-TMF 6	0821483	10
UC1-TMF 6 RD	0828209	10
UC1-TMF 6 OG	0828210	10
UC1-TMF 6 YE	0828211	10
UC1-TMF 6 BU	0828212	10
UC1-TMF 6 GN	0828213	10
UC1-TMF 8	0821548	10
UC1-TMF 8 RD	0828214	10
UC1-TMF 8 OG	0828215	10
UC1-TMF 8 YE	0828216	10
UC1-TMF 8 BU	0828217	10
UC1-TMF 8 GN	0828218	10

Accessories

P1 UC-MAG 4	5146105	1
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Terminal marking

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

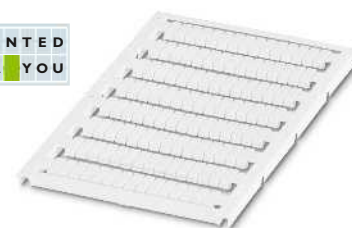
Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

- The UC2-TM ... UniCard marking range includes markers for Wago terminal blocks
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The multi-section marking strips are easy to fit and can be easily separated if required
- The markers support multiline marking
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

An overview of terminal blocks that can be marked can be found on page 126 onwards.

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color
UniCard, for marking terminal blocks from other manufacturers, 120-section, 15 individual labels per strip, for a terminal block width of 4 mm	white
UniCard, for marking terminal blocks from other manufacturers, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm	white
UniCard, for marking terminal blocks from other manufacturers, 80-section, 10 individual labels per strip, for a terminal block width of 6 mm	white
UniCard, for marking terminal blocks from other manufacturers, 64-section, 8 individual labels per strip, for a terminal block width of 8 mm	white

Type	Order No.	Pcs. / Pkt.
UC2-TM 4	0821713	10
UC2-TM 5	0821690	10
UC2-TM 6	0821674	10
UC2-TM 8	0821755	10

Accessories

Magazine, for CMS-P1-PLOTTER

P1 UC-MAG 5	5146118	1
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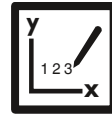
UniCard marking for terminal blocks from other manufacturers with a flat marker groove



Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

- The UC2F-TM ... UniCard marking range includes markers for ABB (entrelec) terminal blocks
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The multi-section marking strips are easy to fit and can be easily separated if required
- The markers support multiline marking
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

An overview of terminal blocks that can be marked can be found on page 126 onwards.

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

[°C]

Wipe resistance

Components

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER

PA

V2

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color
UniCard, for marking terminal blocks from other manufacturers, 120-section, 15 individual labels per strip, for a terminal block width of 4 mm	white
UniCard, for marking terminal blocks from other manufacturers, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm	white
UniCard, for marking terminal blocks from other manufacturers, 80-section, 10 individual labels per strip, for a terminal block width of 6 mm	white
UniCard, for marking terminal blocks from other manufacturers, 64-section, 8 individual labels per strip, for a terminal block width of 8 mm	white

Type	Order No.	Pcs. / Pkt.
UC2F-TM 4	0822178	10
UC2F-TM 5	0822181	10
UC2F-TM 6	0822194	10
UC2F-TM 8	0822204	10

Accessories

Magazine, for CMS-P1-PLOTTER

P1 UC-MAG 4	5146105	1
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Terminal marking

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

Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

- The UC3-TM ... UniCard marking range includes markers for Wieland and Legrand terminal blocks
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The multi-section marking strips are easy to fit and can be easily separated if required
- The markers support multiline marking
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

An overview of terminal blocks that can be marked can be found on page 126 onwards.

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Description	Color
UniCard, for marking terminal blocks from other manufacturers, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm	white
UniCard, for marking terminal blocks from other manufacturers, 80-section, 10 individual labels per strip, for a terminal block width of 6 mm	white
UniCard, for marking terminal blocks from other manufacturers, 64-section, 8 individual labels per strip, for a terminal block width of 8 mm	white

Magazine, for CMS-P1-PLOTTER

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC3-TM 5	0822369	10
UC3-TM 6	0822385	10
UC3-TM 8	0822408	10

Accessories

P1 UC-MAG 1	5146079	1
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UniCard marking for terminal blocks from other manufacturers with tall marker groove

- The UCT1-TM ... UniCard marking range includes markers for Weidmüller, Conta-Clip, and Klemmsan terminal blocks
- The UCT1-TMF ... UniCard marking range includes markers for Weidmüller, Wago, ABB (entrelec), Contaclip, and Klemmsan terminal blocks
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

PRINTED
FOR YOU



Markers for a terminal block width of 5/6 mm

PRINTED
FOR YOU



Flat marker for a terminal block width of 5/6 mm

Notes:

An overview of terminal blocks that can be marked can be found on page 126 onwards.

General data

Can be marked using

Material
Inflammability class according to UL 94
Temperature range
Wipe resistance
Components

[°C]

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED

PC
V0
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT1-TM 5	0829482	10
UCT1-TM 5 RD	0829226	10
UCT1-TM 5 OG	0829227	10
UCT1-TM 5 YE	0829228	10
UCT1-TM 5 BU	0829229	10
UCT1-TM 5 GN	0829230	10
UCT1U-TM 5	0803204	10
UCT1-TM 6	0829483	10
UCT1-TM 6 RD	0829232	10
UCT1-TM 6 OG	0829233	10
UCT1-TM 6 YE	0829234	10
UCT1-TM 6 BU	0829235	10
UCT1-TM 6 GN	0829236	10

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED

PC
V0
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT1-TMF 5	0829237	10
UCT1-TMF 5 RD	0829238	10
UCT1-TMF 5 OG	0829239	10
UCT1-TMF 5 YE	0829240	10
UCT1-TMF 5 BU	0829241	10
UCT1-TMF 5 GN	0829242	10
UCT1-TMF 6	0829243	10
UCT1-TMF 6 RD	0829244	10
UCT1-TMF 6 OG	0829245	10
UCT1-TMF 6 YE	0829246	10
UCT1-TMF 6 BU	0829247	10
UCT1-TMF 6 GN	0829248	10

Description	Color
UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for a terminal block width of 5 mm	white red orange yellow blue green
UniCard, for marking terminal blocks from other manufacturers such as UCT1-TM 5, but with offset foot	white
UniCard, for marking terminal blocks from other manufacturers, 60-section, 10 individual labels per strip, for a terminal block width of 6 mm	white red orange yellow blue green
UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for a terminal block width of 5 mm	white red orange yellow blue green
UniCard, for marking terminal blocks from other manufacturers, 60-section, 10 individual labels per strip, for a terminal block width of 6 mm	white red orange yellow blue green

Accessories

THERMOMARK CARD-UCT-MAG1	5146480	1
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Accessories

THERMOMARK CARD-UCT-MAG4	5146614	1
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Magazine, for THERMOMARK CARD ... for accommodating: UCT-TM ..., UCT1-TM ..., UCT5-TM ..., UCT-EM (5X10), UCT-EM (6X10)
Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT1-TMF...

Terminal marking

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

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

Notes:

An overview of terminal blocks that can be marked can be found on page 126 onwards.

PRINTED
FOR YOU



Markers for terminal block widths of 5 to 6 mm

PRINTED
FOR YOU



Markers for terminal block widths of 5 to 6 mm

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

[°C]

Wipe resistance

Components

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
PC
V0
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT2-TM 5/6	0829249	10

Accessories

THERMOMARK CARD-UCT-MAG5	5146615	1

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
PC
V0
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT3-TM 5	0829251	10
UCT3-TM 6	0829252	10

Accessories

THERMOMARK CARD-UCT-MAG6	5146616	1

Description

Color

UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for terminal block widths of 5 and 6 mm

white

UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for a terminal block width of 5 mm

white

UniCard, for marking terminal blocks from other manufacturers, 60-section, 10 individual labels per strip, for a terminal block width of 6 mm

white

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ...

Magazine, for THERMOMARK CARD ..., for accommodating: UCT3-TM ...

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

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking

PRINTED
FOR YOU



Markers for terminal block widths of 5/6 mm



- The UCT5-TM ... UniCard marking range includes markers for Cabur terminal blocks
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely using the TOPMARK LASER, BLUEMARK..., and the THERMOMARK CARD
- The multi-section marking strips are easy to fit and can be easily separated if required
- The markers support multiline marking
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

Wipe resistance

Components

[°C]

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER

PC

V0

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Technical data

Ordering data

Description	Color
UniCard, for marking terminal blocks from other manufacturers, 66-section, 11 individual labels per strip, for a terminal block width of 5 mm	white
UniCard, for marking terminal blocks from other manufacturers, 54-section, 9 individual labels per strip, for a terminal block width of 6 mm	white

Type	Order No.	Pcs. / Pkt.
UCT5-TM 5	0828750	10
UCT5-TM 6	0828752	10

Accessories

Magazine, for THERMOMARK CARD ... for accommodating UCT6M-TM ...

THERMOMARK CARD-UCT-MAG23	0830808	1
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Notes:

An overview of terminal blocks that can be marked can be found on page 126 onwards.

Marking and labeling - MARKING system

Terminal marking

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

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Markers for terminal block widths up to 8.2 mm

- The UniCard UCT6M ... marking range includes markers for ABB terminal blocks
- The markers, which are supplied in uniform sheets, can be marked quickly, precisely, and easily.
- The multi-section marking strips are easy to fit and can be easily separated if required
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

An overview of terminal blocks that can be marked can be found on page 126 onwards.

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

Wipe resistance

Components

[°C]

Description

Color

UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for a terminal block width of 5.2 mm

white

UniCard, for marking terminal blocks from other manufacturers, 60-section, 10 individual labels per strip, for a terminal block width of 6.2 mm

white

UniCard, for marking terminal blocks from other manufacturers, 42-section, 7 individual labels per strip, for a terminal block width of 8.2 mm

white

Magazine, for THERMOMARK CARD ... for accommodating UCT6M-TM ...

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER

PC

V0

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT6M-TM 5	0830756	10
UCT6M-TM 6	0830757	10
UCT6M-TM 8	0830758	10

Accessories

THERMOMARK CARD-UCT-MAG23	0830808	1
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UniCard marking for terminal blocks from other manufacturers with tall marker groove



Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Markers for terminal block widths up to 8.2 mm

- The UniCard UCT6R-TM ... marking range includes markers for entrelec terminal blocks
- The markers, which are supplied in uniform sheets, can be marked quickly, precisely, and easily.
- The multi-section marking strips are easy to fit and can be easily separated if required
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

An overview of terminal blocks that can be marked can be found on page 126 onwards.

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
PC
V0
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Description	Color
UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for a terminal block width of 5.2 mm	white
UniCard, for marking terminal blocks from other manufacturers, 60-section, 10 individual labels per strip, for a terminal block width of 6.2 mm	white
UniCard, for marking terminal blocks from other manufacturers, 42-section, 7 individual labels per strip, for a terminal block width of 8.2 mm	white

Type	Order No.	Pcs. / Pkt.
UCT6R-TM 5	0830753	10
UCT6R-TM 6	0830754	10
UCT6R-TM 8	0830755	10

Magazine, for THERMOMARK CARD ...
for accommodating UCT6R-TM ...

Accessories

THERMOMARK CARD-UCT-MAG24	0830809	1
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Terminal marking

UniSheet marking for terminals from other manufacturers

Can be marked using:



Thermal transfer for sheets and cards



12 strips with a strip width of 104 mm

- The US2-TM 100 UniSheet markers are suitable for Wago terminal blocks
- The markers, which are supplied as uniform cards, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- The perforated marking strips are easy to separate and can be easily fitted
- The cards provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers in accordance with your requirements

Notes:
An overview of terminal blocks that can be marked can be found on page 126 onwards.

General data	
Can be marked using	
Number of individual labels	
Number of individual labels per strip	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Description	Color
UniSheet, for marking terminal blocks from other manufacturers with a Wago TopJob S terminal block groove, strip length of 104 mm	white

Magazine, for THERMOMARK CARD..., for accommodating all US-materials
--

Technical data	
THERMOMARK CARD	
12	
1	
PVC	
V0	
-30 ... 80	
DIN EN 61010-1 (VDE 0411-1)	
Silicone-free	

Ordering data		
Type	Order No.	Pcs. / Pkt.
US2-TM 100	0829268	10

Accessories		
THERMOMARK CARD-US-MAG1	5146451	1

Marker strips, continuous, for terminal blocks from other manufacturers

- The TMT2 . . . markers are suitable for Wago terminal blocks
- The marker strips are automatically perforated and cut to the desired length
- The markers in the form of continuous rolls can be printed quickly, easily, and precisely with the THERMOMARK ROLL... printers

Can be marked using:



Thermal transfer for rolls



Marker with strip height of 10.8 mm, continuous

Notes:

An overview of terminal blocks that can be marked can be found on page 126 onwards.

General data

Can be marked using

Number of individual labels

Number of individual labels per strip

Material

Inflammability class according to UL 94

Temperature range

[°C]

Wipe resistance

Components

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.2

1

1

PVC

V0

-30 ... 80

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and cadmium

Ordering data

Description	Color
UniSheet, for marking terminal blocks from other manufacturers with a Wago TopJob S terminal block groove, strip height of 10.8 mm, continuous	
Strip height: 10.8 mm	white

Type	Order No.	Pcs. / Pkt.
TMT2 (EX11)R	0802683	1

Terminal marking

UM marking for terminals from other manufacturers, strips

Can be marked using:

new



Thermal transfer for sheets and cards



UV LED technology



For a tall marker groove with a pitch of 3.5 to 6 mm

- The universal UM1-TM ... material marking range includes markers for Weidmüller, Conta-Clip, and Klemmsan
- The markers, which are supplied in double strips, can be quickly and easily marked with BLUEMARK ... and THERMOMARK CARD ...
- The markers support multiline marking
- The marking strips are easy to fit and can be easily separated if required
- The marking strips are snapped into the magazine in a twist-proof manner by means of a coding pin and fed to the output devices
- The format automatically ensures printing with a high level of positional accuracy

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

THERMOMARK CARD • BLUEMARK CLED
PC
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UM1-TM ... , for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemmsan, unprinted, 34-section, pitch: 3.5 mm, label height: 12 mm				
	white	UM1-TM (3,5X12)	0830925	10
	red	UM1-TM (3,5X12) RD	0833020	10
	orange	UM1-TM (3,5X12) OG	0833021	10
	yellow	UM1-TM (3,5X12) YE	0833022	10
	blue	UM1-TM (3,5X12) BU	0833023	10
	green	UM1-TM (3,5X12) GN	0833024	10
UM1-TM ... , for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemmsan, unprinted, 24-section, pitch: 5 mm, label height: 10 mm				
	white	UM1-TM (5X10)	0830905	10
	red	UM1-TM (5X10) RD	0833025	10
	orange	UM1-TM (5X10) OG	0833026	10
	yellow	UM1-TM (5X10) YE	0833027	10
	blue	UM1-TM (5X10) BU	0833028	10
	green	UM1-TM (5X10) GN	0833029	10
UM1-TM ... , for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemmsan, unprinted, 24-section, pitch: 5 mm, label height: 12 mm				
	white	UM1-TM (5X12)	0830912	10
	red	UM1-TM (5X12) RD	0833035	10
	orange	UM1-TM (5X12) OG	0833036	10
	yellow	UM1-TM (5X12) YE	0833037	10
	blue	UM1-TM (5X12) BU	0833038	10
	green	UM1-TM (5X12) GN	0833039	10
UM1-TM ... , for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemmsan, unprinted, 20-section, pitch: 6 mm, label height: 10 mm				
	white	UM1-TM (6X10)	0830903	10
	red	UM1-TM (6X10) RD	0833040	10
	orange	UM1-TM (6X10) OG	0833041	10
	yellow	UM1-TM (6X10) YE	0833042	10
	blue	UM1-TM (6X10) BU	0833043	10
	green	UM1-TM (6X10) GN	0833044	10

Accessories

Magazine, for THERMOMARK CARD ...

For accommodating UM1-TM ..., UM5-TM...

Magazine for the BLUEMARK printer, for accommodating UM materials

TMP-UM-MAG1	0831200	1
BLUEMARK MAG UM-TM	0803335	1

UM marking for terminals from other manufacturers, strips

new



For a tall marker groove with a pitch of 6 to 12 mm

General data		Technical data		
Can be marked using		THERMOMARK CARD • BLUEMARK CLED		
Material		PC		
Inflammability class according to UL 94		V2		
Temperature range	[°C]	-40 ... 120		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		free from silicone, halogen, and cadmium		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
UM1-TM ... , for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemsan, unprinted, 20-section, pitch: 6 mm, label height: 12 mm				
	white	UM1-TM (6X12)	0830909	10
	red	UM1-TM (6X12) RD	0833050	10
	orange	UM1-TM (6X12) OG	0833051	10
	yellow	UM1-TM (6X12) YE	0833052	10
	blue	UM1-TM (6X12) BU	0833053	10
	green	UM1-TM (6X12) GN	0833054	10
UM1-TM ... , for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemsan, unprinted, 14-section, pitch: 8 mm, label height: 10 mm				
	white	UM1-TM (8X10)	0830906	10
	red	UM1-TM (8X10) RD	0833055	10
	orange	UM1-TM (8X10) OG	0833056	10
	yellow	UM1-TM (8X10) YE	0833057	10
	blue	UM1-TM (8X10) BU	0833058	10
	green	UM1-TM (8X10) GN	0833059	10
UM1-TM ... , for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemsan, unprinted, 14-section, pitch: 8 mm, label height: 12 mm				
	white	UM1-TM (8X12)	0830920	10
	red	UM1-TM (8X12) RD	0833060	10
	orange	UM1-TM (8X12) OG	0833061	10
	yellow	UM1-TM (8X12) YE	0833062	10
	blue	UM1-TM (8X12) BU	0833063	10
	green	UM1-TM (8X12) GN	0833064	10
UM1-TM ... , for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemsan, unprinted, 10-section, pitch: 12 mm, label height: 10 mm				
	white	UM1-TM (12X10)	0830916	10
	red	UM1-TM (12X10) RD	0833065	10
	orange	UM1-TM (12X10) OG	0833066	10
	yellow	UM1-TM (12X10) YE	0833067	10
	blue	UM1-TM (12X10) BU	0833068	10
	green	UM1-TM (12X10) GN	0833069	10
Accessories				
Magazine , for THERMOMARK CARD ... For accommodating UM1-TM ..., UM5-TM...		TMP-UM-MAG1	0831200	1
Magazine for the BLUEMARK printer , for accommodating UM materials		BLUEMARK MAG UM-TM	0803335	1

Terminal marking

UM marking for terminals from other manufacturers, strips

Can be marked using:

new



Thermal transfer for sheets and cards



UV LED technology



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

- The universal UM1-TM ... material marking range includes markers for Weidmüller, Conta-Clip, and Klemmsan
- The markers, which are supplied in double strips, can be quickly and easily marked with BLUEMARK ... and THERMOMARK CARD ...
- The markers support multiline marking
- The marking strips are easy to fit and can be easily separated if required
- The marking strips are snapped into the magazine in a twist-proof manner by means of a coding pin and fed to the output devices
- The format automatically ensures printing with a high level of positional accuracy

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

THERMOMARK CARD • BLUEMARK CLED
PC
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Description	Color
UM1U-TM ... , for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemmsan, with an offset foot, unprinted, 24-section, pitch: 5 mm	
	white
	red
	orange
	yellow
	blue
	green
UM1U-TM ... , for marking terminal blocks from other manufacturers such as Weidmüller, CONTA-CLIP, Klemmsan, with an offset foot, unprinted, 20-section, pitch: 6 mm	
	white
	red
	orange
	yellow
	blue
	green

Type	Order No.	Pcs. / Pkt.
UM1U-TM (5X10)	0830910	10
UM1U-TM (5X10) RD	0833030	10
UM1U-TM (5X10) OG	0833031	10
UM1U-TM (5X10) YE	0833032	10
UM1U-TM (5X10) BU	0833033	10
UM1U-TM (5X10) GN	0833034	10
UM1U-TM (6X10)	0830907	10
UM1U-TM (6X10) RD	0833045	10
UM1U-TM (6X10) OG	0833046	10
UM1U-TM (6X10) YE	0833047	10
UM1U-TM (6X10) BU	0833048	10
UM1U-TM (6X10) GN	0833049	10

Accessories

Magazine for THERMOMARK CARD
For accommodating UM1U-TM ...
Magazine for the BLUEMARK printer , for accommodating UM materials

TMP-UM-MAG4	0831203	1
BLUEMARK MAG UM-TM	0803335	1

UM marking for terminals from other manufacturers, strips

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



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

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

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

THERMOMARK CARD • BLUEMARK CLED
PC
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UM1-TMF ..., for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemmsan, Wago, ABB (Entelec), unprinted, 34-section, pitch: 3.5 mm				
	white	UM1-TMF (3,5X5)	0830935	10
	red	UM1-TMF (3,5X5) RD	0833000	10
	orange	UM1-TMF (3,5X5) OG	0833001	10
	yellow	UM1-TMF (3,5X5) YE	0833002	10
	blue	UM1-TMF (3,5X5) BU	0833003	10
	green	UM1-TMF (3,5X5) GN	0833004	10
UM1-TMF ..., for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemmsan, Wago, ABB (Entelec), unprinted, 24-section, pitch: 5 mm				
	white	UM1-TMF (5X5)	0830902	10
	red	UM1-TMF (5X5) RD	0833005	10
	orange	UM1-TMF (5X5) OG	0833006	10
	yellow	UM1-TMF (5X5) YE	0833007	10
	blue	UM1-TMF (5X5) BU	0833008	10
	green	UM1-TMF (5X5) GN	0833009	10
UM1-TMF ..., for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemmsan, Wago, ABB (Entelec), unprinted, 20-section, pitch: 6 mm				
	white	UM1-TMF (6X5)	0830904	10
	red	UM1-TMF (6X5) RD	0833010	10
	orange	UM1-TMF (6X5) OG	0833011	10
	yellow	UM1-TMF (6X5) YE	0833012	10
	blue	UM1-TMF (6X5) BU	0833013	10
	green	UM1-TMF (6X5) GN	0833014	10
UM1-TMF ..., for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemmsan, Wago, ABB (Entelec), unprinted, 14-section, pitch: 8 mm				
	white	UM1-TMF (8X5)	0830924	10
	red	UM1-TMF (8X5) RD	0833015	10
	orange	UM1-TMF (8X5) OG	0833016	10
	yellow	UM1-TMF (8X5) YE	0833017	10
	blue	UM1-TMF (8X5) BU	0833018	10
	green	UM1-TMF (8X5) GN	0833019	10

Magazine for THERMOMARK CARD

For accommodating UM1-TMF ...

Magazine for the BLUEMARK printer, for accommodating UM materials

Accessories

TMP-UM-MAG3	0831202	1
BLUEMARK MAG UM-TM	0803335	1

Marking and labeling - MARKING system

Terminal marking

UM marking for terminals from other manufacturers, strips

Can be marked using:

new



Thermal transfer for sheets and cards



UV LED technology



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

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

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

THERMOMARK CARD • BLUEMARK CLED
PC
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Description	Color
UM2-TM... for marking Wago terminal blocks, unprinted, 34/28/24-section, pitch: 3.5 to 6 mm	white white white
UM3-TM... for marking Wieland terminal blocks, unprinted, 24/20/14-section, pitch: 5 to 8 mm	white white white
UM5-TM... for marking Cabur terminal blocks, unprinted, 28/24/20-section, pitch: 4 to 6 mm	white white white
UM6M-TM... for marking ABB terminal blocks, unprinted, 24/20/14-section, pitch: 5 to 8 mm	white white white

Type	Order No.	Pcs. / Pkt.
UM2-TM (3,5X10)	0830936	10
UM2-TM (4X10)	0830934	10
UM2-TM (5/6X10)	0830911	10

Magazine, for THERMOMARK CARD ...

For accommodating UM1-TM ..., UM5-TM...
For accommodating UM2-TM...
For accommodating UM3-TM...
For accommodating UM6M-TM...

Magazine for the BLUEMARK printer, for accommodating UM materials

Accessories

TMP-UM-MAG5	0803328	1
BLUEMARK MAG UM-TM	0803335	1

new

new

new



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



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



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

Technical data		
THERMOMARK CARD • BLUEMARK CLED		
PC		
V2		
-40 ... 120		
DIN EN 61010-1 (VDE 0411-1)		
free from silicone, halogen, and cadmium		

Ordering data

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

Accessories

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

Technical data		
THERMOMARK CARD • BLUEMARK CLED		
PC		
V2		
-40 ... 120		
DIN EN 61010-1 (VDE 0411-1)		
free from silicone, halogen, and cadmium		

Ordering data

Type	Order No.	Pcs. / Pkt.
UM5-TM (4X10)	0830938	10
UM5-TM (5X10)	0830922	10
UM5-TM (6X10)	0830919	10

Accessories

TMP-UM-MAG1	0831200	1
BLUEMARK MAG UM-TM	0803335	1

Technical data		
THERMOMARK CARD • BLUEMARK CLED		
PC		
V2		
-40 ... 120		
DIN EN 61010-1 (VDE 0411-1)		
free from silicone, halogen, and cadmium		

Ordering data

Type	Order No.	Pcs. / Pkt.
UM6M-TM (5X12)	0830928	10
UM6M-TM (6X12)	0830926	10
UM6M-TM (8X12)	0830939	10

Accessories

TMP-UM-MAG7	0803330	1
BLUEMARK MAG UM-TM	0803335	1

Terminal marking

UM marking for terminals from other manufacturers, strips

Can be marked using:

new



Thermal transfer for sheets and cards



UV LED technology



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

- The universal UM...-TM... material marking range includes markers for terminal blocks from a variety of manufacturers. UM6R... for Entelec, UM7... for Legrand, and UM8... for Woertz
- The markers, which are supplied in double strips, can be quickly and easily marked with BLUEMARK... and THERMOMARK CARD
- The markers support multiline marking
- The marking strips are easy to fit and can be easily separated if required
- The marking strips are snapped into the magazine in a twist-proof manner by means of a coding pin and fed to the output devices
- The format automatically ensures printing with a high level of positional accuracy

General data	
Can be marked using	
Number of individual labels	
Number of individual labels per strip	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data	
THERMOMARK CARD • BLUEMARK CLED	
24	
12	
PC	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
free from silicone, halogen, and cadmium	

Description	Color
UM6R-TM... for marking Entelec terminal blocks, unprinted, 24/20/18-section, pitch: 5 to 8 mm	white
	white
	white
UM7-TM... for marking Legrand terminal blocks, unprinted, 24/20/18-section, pitch: 5 to 8 mm	white
	white
	white
UM8-TM... for marking Woertz terminal blocks, unprinted, 24/20-section, pitch: 5 to 6 mm	white
	white
	white

Ordering data		
Type	Order No.	Pcs. / Pkt.
UM6R-TM (5X10)	0830923	10
UM6R-TM (6X10)	0830921	10
UM6R-TM (8X10)	0830932	10

Magazine for THERMOMARK CARD
For accommodating UM7-TM...
For accommodating UM6R-TM...
For accommodating UM8-TM...
Magazine for the BLUEMARK printer, for accommodating UM materials

Accessories		
TMP-UM-MAG8	0803331	1
BLUEMARK MAG UM-TM	0803335	1

new

new



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



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

Technical data
THERMOMARK CARD • BLUEMARK CLED
24
12
PC
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data		
Type	Order No.	Pcs. / Pkt.
UM7-TM (5X10)	0830933	10
UM7-TM (6X10)	0830931	10
UM7-TM (8X10)	0830945	10

Accessories		
TMP-UM-MAG10	0803334	1
BLUEMARK MAG UM-TM	0803335	1

Technical data
THERMOMARK CARD • BLUEMARK CLED
24
12
PC
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data		
Type	Order No.	Pcs. / Pkt.
UM8-TM (5X9)	0830946	10
UM8-TM (6X9)	0830943	10

Accessories		
TMP-UM-MAG9	0803332	1
BLUEMARK MAG UM-TM	0803335	1

Terminal marking

Terminal marking for Weidmüller

			UC1U-TM 5		UC1-TM 5		UC1-TM 6		UC1-TM 8		UCT1-TM 5		UCT1-TM 6		UC1-TMF 4		UC1-TMF 5		UC1-TMF 6		UC1-TMF 8		UCT1-TMF 5		UCT1-TMF 6
UniCard, white		0821302	0821784	0821247	0821739	0829482	0829483	0821360	0821425	0821483	0821548	0829237	0829243												
	Pitch	5	5	6	8	5	6	4	5	6	8	5	6												
Screw connection terminal blocks																									
AKZ 1,5/AKZ 2,5	5																								
AKZ 4/AKE 4	6																								
DLD(A)2,5.../MAK 2,5/VLI 2,5	6																								
SAK 10/16/35/95//EK 10/16/35	5																								
SAK 2,5/4//EK 2,5/4	6																								
SAKS.../SAK 6//EK 6	8																								
WDK 2,5/4...	5																								
WDL 2,5...	6																								
WDT...	5																								
WDU (WPE) 1,5/2,5...	5																								
WDU (WPE) 4...	6																								
WDU (WPE) 6-240...	8																								
WF...	8																								
WFF...	6																								
WNT 2,5	5																								
WNT 4	6																								
WNT 6-WNT 70N	8																								
WSI 4	6																								
WSI 6	6																								
WTL 4/6	6																								
WTR 2,5...	5																								
WTR 4...	6																								

													
UniCard, white		UC1U-TM 5	UC1-TM 5	UC1-TM 6	UC1-TM 8	UCT1-TM 5	UCT1-TM 6	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6	UC1-TMF 8	UCT1-TMF 5	UCT1-TMF 6
		0821302	0821784	0821247	0821739	0829482	0829483	0821360	0821425	0821483	0821548	0829237	0829243
Pitch		5	5	6	8	5	6	4	5	6	8	5	6

Spring-cage connection terminal blocks

ZDK 2,5 (PE).../ZDLD 2,5.../ZMAK 2,5	5												
ZDK 4 (PE)...	6												
ZDK 6/S	8												
ZDL 2,5/S.../ZDL 4/S...	5												
ZDT 2,5 (PE).../ZT (PE) 2,5.../ZP 2,5...	5												
ZDU (ZPE) 10...-ZDU (ZPE) 35/ZEI 16...	5												
ZDU (ZPE) 2,5...	5												
ZDU (ZPE) 4...	6												
ZDU (ZPE) 6.../ZEI 6	8												
ZNT 2,5/10/16/35...	5												
ZNT 4	6												
ZNT 6	8												
ZPV 1,5.../ZIA 1,5.../ZVL 1,5...	5												
ZSI 2,5.../ZSI 6...	5												
ZSI 6-2/FC	6												
ZT (PE) 4.../ZP 4...	6												
ZTD 6/ZTL 6	6												
ZTR 2,5.../ZDTR 2,5.../ZDL 2,5...	5												

IDC terminal blocks

IDU (IPE 1,5) N.../ITR 1,5 N.../IDK 1,5 N(PE)...	5												
IDU (IPE) 2,5 N.../ITR 2,5 N...	6												
IT 1,5.../IEK 1,5 N (PE).../IAK 1,5 N.../IIK 1,5 N...	5												

Push-in connection terminal blocks

PDL 4...	5												
PDU (PPE) 2,5/4.../PDK 2,5/4 (PE)...	5												
PDU (PPE) 6/10.../PDU (PPE) 16.../PEI 16...	8												
PNT 2,5/4	5												
PNT 6/10/16	8												

Terminal marking

Terminal marking for Wieland

							
		UC3-TM 5	UC3-TM 6	UC3-TM 8	UCT3-TM 5	UCT3-TM 6	
UniCard, white		0822369	0822385	0822408	0829251	0829252	
Pitch		5	6	8	5	6	
Screw connection terminal blocks							
9700 A/5...	5						
9700 A/6...	6						
9700 A/8...	8						
9700 A/10...	10						
9700 A/12...	12						
9700 A/16...	16						
9700 A/6 ETK...	6						
9700 A/8 ETK...	8						
9700 A/10 ETK...	10						
WK(M) 2,5...	5						
WK 4..., WKI 4..., WKM 4...	6						
WK 6...	8						
WKN 10..., WKI 10...	10						
WKN 16..., WKI 16...	12						
WKN 35..., WKI 35...	16						
WKN 70...	24						
WKN 70...	28						
9785 U/..., 9786 U/...	12						

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

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

											
UniCard, white		UC-TM 4	UC-TMF 4	UCT-TM 4	UCT-TMF 4	UC3-TM 5	UC3-TM 6	UC3-TM 8	UCT3-TM 5	UCT3-TM 6	US-TMF 100
		0818111	0818166	0828732	0828742	0822369	0822385	0822408	0829251	0829252	0829260
Pitch		4	4	4	4	5	6	8	5	6	

Spring-cage connection terminal blocks											
WKF 1,5...	4										
WKF 1,5 KOI..., WKF 1,5 KOA...	5										
WK(I)F 2,5..., WKFN 2,5...	5										
WKF 4..., WKFN 4...	6										
WKF 6...	8										
WKF 10...	10										
WK(I)F 16...	12										
WKF 35...	16										

Fast connection terminal blocks											
WKC 1...	5										
WKC 2,5...	6										
WKF 16...WKC	12										

Terminal marking

Terminal marking for Conta-Clip

												
		UC1-TM 5	UC1-TM 6	UC1-TM 8	UCT1-TM 5	UCT1-TM 6	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6	UC1-TMF 8	UCT1-TMF 5	UCT1-TMF 6
UniCard, white		0821784	0821247	0821739	0829482	0829483	0821360	0821425	0821483	0821548	0829237	0829243
Pitch		5	6	8	5	6	4	5	6	8	5	6

Spring-cage connection terminal blocks

Z(S)RK 2,5..., ZSL 2,5...	5											
ZRK 4..., ZSL 4...	6											
ZRK (ZSL) 6..., ZRK (ZSL) 10..., ZRK (ZSL) 16...	8											
ZRKD 2,5..., ZSLD 2,5...	5											
ZIKD 2,5..., ZVMAK 2,5...	5											
ZTRK 2,5...	5											
ZIZA 1,5...	5											
ZS...	5											

Push-in connection terminal blocks

FRK 1,5.../FSL 1,5...	4											
FRK 2,5.../FSL 2,5...	5											
FRK 4.../FSL 2,5...	6											
FRKD 2,5.../FSLD 2,5...	5											
FDLIS 2,5...	5											
FTRK 2,5...	5											
HSK...	8											

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

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

												
UniCard, white		UC1-TM 5	UC1-TM 6	UC1-TM 8	UCT1-TM 5	UCT1-TM 6	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6	UC1-TMF 8	UCT1-TMF 5	UCT1-TMF 6
		0821784	0821247	0821739	0829482	0829483	0821360	0821425	0821483	0821548	0829237	0829243
Pitch		5	6	8	5	6	4	5	6	8	5	6
Screw connection terminal blocks												
RK 1,5-4...	6											
RK 2,5...	5											
RK 2,5-4...	6											
RK 6-10.../16.../35...	8											
RK 50...-RK 240...	8											
SL...	5											
RKD 2,5...	5											
RKD 4...	6											
DLI 2,5..., VMAK 2,5...	6											
IK (D) 2,5...	5											
TRK 1,5...	5											
TK.../STK...	8											
PTK...	8											
SIK 10...	8											
STK...	6											
SK...	8											
TSK 2,5	5											
FF.../SF...	6											
DLIS.../DLI...	6											
NT...	6											
RKA 2,5...	5											
RKA 4...	6											
RKA 10...	8											
RKB 4...	5											
KBL 2,5...	5											
KBL 2,5-4...	6											
KBL 6-10...	8											

Marking and labeling - MARKING system

Terminal marking

Terminal marking for ABB (Entrelec)



		UCT6M-TM 5	UCT6M-TM 6	UCT6M-TM 8
UniCard, white		0830756	0830757	0830758
	Pitch	5	6	8
SNK series				
ZS4...	5.2			
ZS6...	6			
ZS10...	8			
ZS16...	10			
ZS35...	16			
ZS70...	22			
ZS95...	26			
ZS4-S-R...	6			
ZS4-S-R3...	8			
ZS4-S-T2-R...	6			
ZS4-SP-R...	6			
ZS4-SP-T2-R...	6			
ZS4-SF...	6			
ZS4-SF1...	8			
BAM3	10			
CS-R1	3			
TCS...	5.2			
Pg5...	5.2			

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

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

							
		UC2F-TM 5 UCT6R-TM 5	UC2F-TM 6 UCT6R-TM 6	UC2F-TM 8 UCT6R-TM 8	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6
UniCard, white		0822187 0830753	0822194 0830754	0822204 0830755	0821360	0821425	0821483

	Pitch	5	6	8	4	5	6
--	-------	---	---	---	---	---	---

Screw connection terminal blocks

M(A) 2,5/5...	5						
M 4/6...	6						
M 6/8	8						
M 10/10, M 16/12, M 35/16, M 70/22, M 95/22	8						
D 150/31..., D 240/36...	8						
D 4/6 NTLP	6						
MA 2,5/5.NT	5						
M 4/6.NT	6						
M 6/8.NT	8						
M 10/10.NT, M 16/12.NT, M 35/16.	8						

Spring-cage connection terminal blocks

D 1,5/4... 2 L, D 1,5/4.../4 L	4						
D 2,5/5... 2 L, D 2,5/5... 3 L, D 2,5/5... 4 L	5						
D 4/6... 2 L, D 4/6... 3 L, D 4/6... 4 L	6						
D 6/8... 2 L	8						
D 10/10... 2 L, D 16/12... 2 L, D 35/16... 2 L	8						
D 2,5/5.NT.L	5						
D 4/6.NT.L	6						
D 6/8.NL.L	8						
D 10/10.NZ.L., D 16/12.NT.L, D 35/16NT.L.	8						
D 2,5/5.N...	5						

IDC terminal blocks

D 1,5... ADO	5						
D 1,5/6... ADO	6						
D 2,5/8... ADO, D 4/8... ADO	8						
D 1,5/6.NT.ADO	6						
D 2,5/8.NT.ADO	8						
D 2,5/5... ADO	5						
D 4/6... ADO	6						
D 6/8... ADO, D 6/8.ADO3	8						

Terminal marking

Terminal marking for Wago

											
		UC2-TM 4	UC2-TM 5	UC2-TM 6	UC2-TM 8	UCT2-TM 5/6	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6	UC1-TMF 8	US2-TM 100/TMT 2
UniCard, white		0821713	0821690	0821674	0821755	0829249	0821360	0821425	0821483	0821548	0829268/ 0802683
Pitch		4	5	6	8	5/6	4	5	6	8	
Spring-cage connection terminal blocks											
2001...	4										
2002..., 2003...	5										
2004..., 2005..., 2006...	6										
2010..., 2016...	8										
261..., 264...	6										
270...	5										
279...	4										
280...	5										
280-8...	5										
281...	6										
282..., 283..., 284...,	8										
285..., 290...	5										
727...	6										
769...	5										
775..., 776..., 777...	6										
780...	5										
781...	6										
782..., 783..., 784..., 785...	8										
869..., 870..., 880...	5										

Terminal marking for Cabur

		UCT5-TM 5	UCT5-TM 6
UniCard, white		0828750	0828752
	Pitch	5	6
Screw connection terminal blocks			
CBD.2	5.5		
CBD.4	6.5		
CBD.6	8		
CBD.10	10		
CBD.16	12		
CBD.35	16		
CBD.50	18		
CBD.70	20.5		
AFO.2/1+2, AFO.2/2+2	6.5		
CBC.2	5		
CBC.4	6		
CBC.6	8		
CBC.16	12		
CBC.35	16		
GPA.70	20.5		
GPA.95	26		
GPA.150	31		
GPA.240	37		
TE.6	8		
TE.10	10		
TE.16	12		
TE.35	16		
TED.4	6.5		
TEO.2	5.5		
TEO.4	6.5		
TEC.6	8		
TEC.10	10		
TEC.16	12		
TEC.35	16		
TEC.70	20.5		
CBE.2, CBR.2, CVF.2	5		
CVF.4, DAS.4	6		
DBC.2	5		

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

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

		UCT5-TM 5	UCT5-TM 6
UniCard, white		0828750	0828752
	Pitch	5	6
Screw connection terminal blocks			
DSFA.4, DSS.4	6		
EDM.2, TC/DIN, TC/PO	5.5		
EDM.4, FDP.2, FFS.4, FVS.4	6.5		
EDM.6	8		
EDM.10, SFR.6	10		
EDM.16, FPC.10, FPL.10	12		
EDM.25	16		
EDM.35	18.5		
EDM.70	21		
MPFA.4, MPS.4, RP.4	6		
MPS.2/SV, MPS.2/SW, MPS.2/SWP	5.5		
PDF.2, SCB.4	6.5		
RN.2, TR.2	5		
TR.4	7.3		
SCB.6, SFO.4, SFR.4, SV.6	8		
SV.2	5.5		
SV.4	7		
SV.10	10.5		
TDE.2, TLD.2, TLE.2, TLS.2	6.2		
VPC.2, VPD.2	5.08		

Spring-cage connection terminal blocks

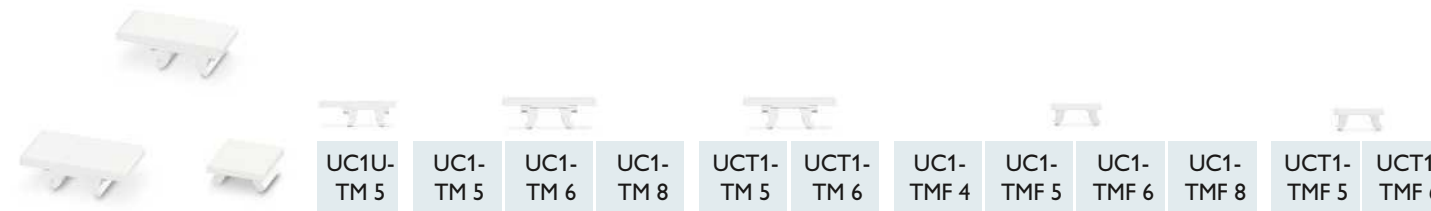
HCD.1	5.08		
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Push-in connection terminal blocks

NCS, NCV	6.2		
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Terminal marking

Terminal marking for Klemmsan



	UC1U-TM 5	UC1-TM 5	UC1-TM 6	UC1-TM 8	UCT1-TM 5	UCT1-TM 6	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6	UC1-TMF 8	UCT1-TMF 5	UCT1-TMF 6
UniCard, white	0821302	0821784	0821247	0821739	0829482	0829483	0821360	0821425	0821483	0821548	0829237	0829243
Pitch	5	5	6	8	5	6	4	5	6	8	5	6

Screw connection terminal blocks

AVK 2,5/PEK 2,5 K/WGT 2,5	5											
AVK 4.../AVK 2,5/4T/PEK 2,5/PEK 4/WGT 4	6											
AVK 6-240/ PEK 6-35	8											
AVK 6/10T16/35T// WGT 6/WGT 10	8											
PIK 2,5...	5											
PIK 4...	6											
PIK 3...	6											
ASK 2	8											
ASK 3	6											
ASK 4/AVK 4 FS	8											
ASK 4S/ASK 4 LD	6											
WGO...	8											
AYK 4...	6											
AYK 10...	8											
MVK 2,5 (T)	5											
MVK 4 (T)	6											

Spring-cage connection terminal blocks

YBK 2,5 (T)	5											
YBK 4 (T)	6											
YBK 6 (T)	8											
YBK 10 (T)	8											
MYK 2,5 (T).../MYP- PK 2,5...	5											
YBK 2,5 F.../YBK 3...	5											
YBK 4...	6											
YBK S.../YBK I...	8											
YBK 2,5 A.../YBK 2,5 E.../YB K 2,5C...	5											
PCY 2,5...	5											

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

Terminal marking for Legrand



		UC3-TM 5	UC3-TM 6	UC3-TM 8
UniCard, white		0822369	0822385	0822408

	Pitch	5	6	8
Screw connection terminal blocks, Viking 2				
39060	5			
39061-39068	6			
39070	6			
39077	5			
39078, 39080, 39082	6			
39084, 39085	6			
39300	5			
39301-39305	6			
39307	6			
39370	5			
39371, 39372, 39374	6			
39376, 39378	6			

Spring-cage connection terminal blocks, Viking 3				
39601, 39602	5			
39604	6			
39605	8			
39606, 39607	8			
39608	6			
39627	5			
39628, 39636	6			
39611, 39612	5			
39614	6			
39615	8			
39616, 39617	8			
39618, 39646	6			
39621	5			
39624	6			
39625	8			
39626, 39629	8			
39622	5			
39630, 39666	6			

Marking and labeling - MARKING system

Terminal marking

Terminal marking for Weidmüller

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Push-in connection terminal blocks

PDK 2,5	5.1													
PDL 4	5.1													
PDU 2,5	5.1													
PDU 6/10	8.1													
PDU 16	12.1													
PEI 16	15													
PMAK 4	5.1													
PNT 2,5	5.1													
PNT 6/10	8.1													
PNT 16	12.1													
PPE 2,5	5.1													
PPE 6	8.1													
PPE 16	12.1													
PSI 6/10	12.2													
PTD 6/10	8.1													
PTL 6/10	8.1													
PTR 2,5	5.1													

Pitch of Phoenix Contact marking material equal to Weidmüller pitch

Pitch of Phoenix Contact marking material smaller than Weidmüller pitch

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Spring-cage connection terminal blocks

ZDK 1,5	3.5													
ZDK 2,5	5.1													
ZDK 4	6.1													
ZDKPE 2,5	5.1													
ZDLD 2,5	5.1													
ZDT 2,5	5.1													
ZDTR 2,5	5.1													
ZDU 1,5	3.5													
ZDU 2,5	5.1													
ZDU 4	6.1													
ZDU 6	8.1													
ZDU 10	10.1													
ZDU 16	12.1													
ZDU 35	16													
ZDUA 2,5	5.1													
ZDUB 2,5	5.1													
ZEI16	10													
ZEI 16-2	14													
ZIA 1,5	5.08													
ZMAK 2,5	5.1													
ZNT 4	6.1													
ZNT 6	8.1													
ZNT 16	10													
ZNT 35	16													
ZP 2,5	5.1													
ZP 4	6.1													
ZPE 1,5	3.5													
ZPE 2,5	5.1													
ZPE 4	6.1													
ZPE 6	8.1													
ZPE 10	10.1													
ZPE 16	12.1													

Marking and labeling - MARKING system

Terminal marking

Terminal marking for Weidmüller

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Spring-cage connection terminal blocks

ZPE 35	16													
ZPEA 2,5	5.1													
ZPEB 2,5	5.1													
ZPV 1,5	5.1													
ZRV 1.5	5.1													
ZRV 2.5	5.2													
ZSI 2x6	16													
ZSI 2,5	7.9													
ZSI 6	12.2													
ZT 2,5	5.1													
ZT 4	6.5													
ZTC 2,5	5.1													
ZTCPE 2,5	5.1													
ZTD 6	8													
ZTL 6	8													
ZTPE 2,5	5.1													
ZTPE 4	6.5													
ZTR 2,5	5.1													
ZTR 6	8.1													
ZTTR 2,5	5.1													
ZVL 1,5	5.08													
ZVLD 2,5	5.1													

Pitch of Phoenix Contact marking material equal to Weidmüller pitch

Pitch of Phoenix Contact marking material smaller than Weidmüller pitch

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Screw connection terminal blocks

AKE 2,5	5.1													
AKE 4	7													
AKZ 1,5	5.1													
AKZ 2,5	5.1													
AKZ 4	6.1													
DLA 2,5	6.1													
DLD 2,5	6.1													
KDKS 1	8													
MAK 2,5	6.2													
SAKS 2	27.6													
SAKS 4	24													
SAKS 5	28													
VLI 1,5	6.15													
WDK 1,5/R	3.5													
WDK 2,5	5.1													
WDK 4	6.1													
WDK 10	9.9													
WDKL 4	6.5													
WDL 2,5	6.1													
WDT 1,5	6.4													
WDTR 2,5	6.2													
WDU 1,5	5.1													
WDU 1,5/R	3.5													
WDU 2,5	5.1													
WDU 2,5/TC	10.2													
WDU 4	6.1													
WDU 6	7.9													
WDU 10	9.9													
WDU 16	11.9													
WDU 35	16													
WDU 50	18.5													
WDU 70	20.5													
WDU 95	27													

Marking and labeling - MARKING system

Terminal marking

Terminal marking for Weidmüller

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Screw connection terminal blocks

WDU 120	32													
WDU 240	36													
WMF 2,5	5.08													
WNT 2,5	5.1													
WNT 4	6.1													
WNT 6	7.9													
WNT 10	9.9													
WNT 16	12													
WNT 35	16													
WNT 70	20.5													
WPE 1,5	5.1													
WPE 1,5/R	3.5													
WPE 2,5	5.1													
WPE 4	6.1													
WPE 6	7.9													
WPE 10	9.9													
WPE 16	11.9													
WPE 35	16													
WPE 50	18.5													
WPE 70	20.5													
WPE 95	27													
WPE 120	32													
WPO 4	6													
WSI 4	9.1													
WSI 6	7.9													
WT 4	6.1													
WTD 6	7.9													
WTD 6/4 FF	11													
WTL 4	6.1													
WTL 4/2	6													

Pitch of Phoenix Contact marking material equal to Weidmüller pitch

Pitch of Phoenix Contact marking material smaller than Weidmüller pitch

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Screw connection terminal blocks

WTL 6	7.9													
WTL 6 SL	7.9													
WTL 6/4 FF	11													
WTQ 6	7.9													
WTR 2,5	5.1													
WTR 4	6.1													
WTR 35	32													
WTR 4 SL	6.1													
WTR 4/SI	6.1													

Bolt connection terminal blocks

WF 5	13													
WF 6	17.8 8													
WF 8	22.8													
WF 10	33.8													
WF 12	33.8													
WF 6/2 BZ	17.8													
WF 8/2 BZ	22.8													
WF 10/2 BZ	33.8													
WFF 35	27													
WFF 70	32													
WFF 120	38													
WFF 185	55													
WFF 300	55													

Marking and labeling - MARKING system

Terminal marking

Terminal marking for CONTA-CLIP

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Pressure spring connection terminal blocks

FDLI 2,5	5.1													
FDLIS 2,5	5.1													
FDLIS B 2,5	15.3													
FNT 2,5	5.1													
FNT 6	8.1													
FRK 1,5	4.1													
FRK 2,5	5.1													
FRK 4	6.1													
FRKD 2,5	5.1													
FRKI 2,5	5.1													
FRKI 6	8.1													
FSIK 4	6.1													
FSL 1,5	4.1													
FSL 2,5	5.1													
FSL 4	6.1													
FSLD 2,5	5.1													
FSLI 2,5	5.1													
FSLI 6	8.1													
FTRK 2,5	5.1													

Bolt connection terminal blocks

HSK 16	13													
HSK 35	16													
HSK 50	21													
HSK 70	40													
HSK 95	40													
HSK 120	32													
HSK 150	50													
HSK 240	50													

Pitch of Phoenix Contact marking material equal to Conta Clip pitch

Pitch of Phoenix Contact marking material smaller than Conta Clip pitch

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Spring-cage connection terminal blocks

SL 4	6.1													
ZIKD 2,5	5.1													
ZIZA 1,5	5.1													
ZMP 1,5	5.1													
ZRK 2,5	5.1													
ZRK 4	6.1													
ZRK 6	8.1													
ZRK 10	10.1													
ZRK 16	12.1													
ZRKD 2,5	5.1													
ZRKS 2,5	5.1													
ZSL 2,5	5.1													
ZSL 4	6.1													
ZSL 6	8.1													
ZSL 10	10.1													
ZSL 16	12.1													
ZSLD 2,5	5.1													
ZSLN 2,5	5.1													
ZSLS 2,5	5.1													
ZSRK 2,5	5.1													
ZST 2,5	5.1													
ZSTK 2,5	5.1													
ZTRK 2,5	5.1													
ZVMAK 2,5	5.1													

Marking and labeling - MARKING system

Terminal marking

Terminal marking for CONTA-CLIP

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Screw connection terminal blocks

BKA 2,5	5													
BKA 4	6													
BKA 10	8													
DLI 2,5	6													
DLIS 2,5	6													
FF 1/15	6													
FF 2,5	6													
IK 2,5	5													
IKD 2,5	5													
KBL 2,5	5													
KBL 2,5-4	6													
KBL 6	8													
NT 2,5	6													
NT 6	8													
PTK 10	8													
RK 1,5	6													
RK 2,5	5													
RK 2,5-4	6													
RK 6	8													
RK 16	12													
RK 35	16													
RK 50	20													
RK 95	25													
RK 150	31													
RK 240	36													
RKB 4	6													
RKD 2,5	5													
RKD 4	6													
RKDG 4	6													
SF 2.5	6													
SIK 10 PA	8													
SIK 10 Z	10													

Pitch of Phoenix Contact marking material equal to CONTA-CLIP pitch

Pitch of Phoenix Contact marking material smaller than CONTA-CLIP pitch

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Screw connection terminal blocks

SK 1	12.2													
SL 2,5	6													
SL 4/15	7													
SL 4/35	8													
SL 10	10													
SL 16	10													
SL 35	16													
SLN 2,5	6													
SMAG 4/2,5	5.9													
SMAG 6/4	6.6													
SMAG 10/6	8.3													
SRK 2,5	5													
SRK 4	6													
SRK 6	8													
SRK 10	10													
SSIK 4	6.1													
SSIK 6	8													
SSL 2,5	5													
SSL 4	6													
SSL 6	8													
SSL 10	10													
STA 5/1	5													
STK 1	8													
STK 2	8													
STKD 1	8													
TK 2	8													
TK 4	7.5													
TKS 4	7.5													
TKS 10	11.25													
TRK 1,5	6													
TSK 2,5	10													
VMAK	6													

Marking and labeling - MARKING system

Terminal marking

Terminal marking for Klemsan

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Spring-cage connection terminal blocks

MYK 2,5...	5													
MYPK 2,5...	5													
MYSK 2,5...	5													
PCY 2,5...	5.05													
PYK 1,5...	4.2													
PYK 2,5...	5													
PYK 2,5-2...	5													
PYK 2,5-3...	5													
PYK 3 S...	5													
PYK 4...	6													
PYK 4 I...	8													
PYK 4 S...	8													
PYK 4-2...	6													
PYK 6...	8													
PYK 10...	10													
PYKM 2,5...	5													
PYKMR 2,5...	5													
YBK 2,5...	5													
YBK 2,5-2...	5													
YBK 2,5-3...	5													
YBK 3 S...	5													
YBK 4...	5													
YBK 4-2...	6													
YBK 6...	8													
YBK 10...	10													
YBK I...	8													
YBK S...	8													

Pitch of Phoenix Contact marking material equal to Klemsan pitch

Pitch of Phoenix Contact marking material smaller than Klemsan pitch

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Screw connection terminal blocks

ASK 2...	8													
ASK 3...	6.2													
ASK 4 LD...	10													
ASK 4 S...	10													
ASK 5...	8													
AVK 2,5...	5													
AVK 2,5 CCA...	6													
AVK 2,5 EA...	6													
AVK 2,5 F...	6													
AVK 2,5 T RD	5.75													
AVK 2,5/4...	6													
AVK 4...	6													
AVK 4 B...	10													
AVK 4 FS...	8													
AVK 4 T RD	6.2													
AVK 6...	8													
AVK 10...	10													
AVK 16...	12													
AVK 25...	12													
AVK 35...	16													
AVK Y 4...	6													
AVK Y 6...	8													
AVK Y 10...	10													
AYK 16...	11													
MVK 2,5...	5													
MVK 4...	5													
PIK 2,5 N...	5													
PIK 4 FS...	6													
PIK 4 N...	6													
PIK 10 N...	10													

Terminal marking

Terminal marking for Klemsan

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Screw connection terminal blocks

PUK 2...	6													
PUK 3...	6													
WGL 1...	8													
WGO 1...	8													
WGO 2...	10													
WGO 3...	8													
WGO 4...	8													
WGO PB...6	11													
WGO Y...6...	8													

	UM1-TMF				UM1...-TM									
	3.5x5	5x5	6x5	8x5	3.5x12	5x10	U 5x10	5x12	6x10	U 6x10	6x12	8x10	8x12	12x10
UniCard, white	0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916

Pitch

Bolt connection terminal blocks

AVK 50...	20														
AVK 70...	22														
AVK 95...	25														
AVK 95 B...	40														
AVK 150...	31														
AVK 150 B...	48														
AVK 240...	36														
AVK 240 B...	53														
AVK PB 50...	20														
AVK PB 70...	22														
AVK PB 95...	25														
AVK PB 150...	31														
CPB 6...	9.5														
CPB 6B...	13														
PB 6...	11														



Conductor and cable marking - MARKING system

Clear and permanent marking of all conductors and cables considerably improves transparency in control cabinets and switchgear. It makes assembly and maintenance work easier and assists in rectifying faults.

Phoenix Contact conductor and cable markers provide the ideal marking option for any application. Just select an assembly method. The markers can be threaded on, clipped on, adhered in place or secured with cable binders.

Product range overview

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WM... conductor and cable marking supplied in rolls

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Cable markers for carrier assembly

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Overview of conductor markers and cable markers 218

The right marking solution for every diameter



Far from being a luxury, standard-compliant and permanent conductor markings are actually a mark of quality demanded by customers in respect of modern high-quality capital goods. Phoenix Contact conductor and cable marking systems provide ideal marking options for any user regardless of whether the conductor markers are to be threaded on, slid on, clipped on, adhered in place or secured with cable binders.

Depending on the material, the following marking systems can be used for the individual marking of conductor and cable markers:

- TOPMARK LASER, laser marker for marking UniCard formats, as well as stainless steel and aluminum labels
- BLUEMARK CLED, high-speed printer with UV technology for marking UniCard formats and aluminum markers
- THERMOMARK CARD, thermal transfer printer for marking UniCard and UniSheet formats
- THERMOMARK ROLL, thermal transfer printer for marking material off the roll and continuous media
- THERMOMARK ROLL X1, thermal transfer printer for large quantities
- THERMOMARK W2, thermal transfer printer for double-sided marking and perforation of continuous shrink sleeves
- CMS-P1-PLOTTER
- Commercially available desktop laser printers

The CLIP PROJECT software produces easy, efficient markings. It generates the marking data directly from the circuit diagram and automatically sends the data to the relevant marking systems for further processing.

If no marking systems are available or your production facility is affected by capacity bottlenecks, you also have the option of using our marking service. We will be happy to handle your printing orders. This also includes engraving or laser marking of stainless steel cable markers.



Conductor and cable markings can be optimally and permanently marked with stainless steel or aluminum markers. They are easily attached using cable binders.



Clip-on conductor markers feature two non-detachable marking areas that remain legible at all times. They can be clipped onto pre-wired conductors and cables manually.



Individual printed markers are threaded onto conductors or attached by means of cable binders. Various materials can be supplied as cards or on rolls.



The ferrules feature an insulating collar that supports marking and are marked prior to crimping. This combines two operations in one.



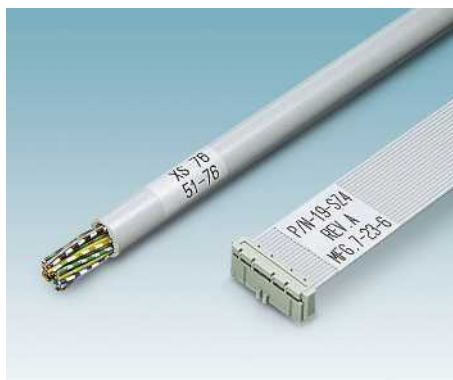
Conductors can be fitted with PATG and PATO marking collars. Marking is achieved by means of insert strips that support marking.



Shrink sleeves are ideal for captive marking of cables and conductors. They are available prefabricated and in rolls.



Conductor markers can be fitted using cable binders almost regardless of conductor or cable diameter. The large marking area provides enough space for long labels.



Cable marker labels consist of a marking field and a transparent foil that protects the marking against abrasion and dirt. The labels are available in various shapes and sizes.



Plastic cable markers are suitable for both bundling and marking conductors and cables. A screw cap protects the marking against dirt and can be replaced at any time.

Conductor and cable marking

Stainless steel and aluminum cable marking for assembly with cable binders



- The LS-WMTB ... product range is available in stainless steel (V4A) or aluminum and includes markers that can be quickly and easily fitted with cable binders
- The LS-WMTB-V4A ... group is particularly characterized by its high resistance to salt water, chloride, and solvents and it is therefore also suitable for the most demanding industrial requirements



- By selecting the material in the CLIP PROJECT planning and configuration software, the correct laser parameters are automatically passed to the TOPMARK LASER
- **Designation example:**
LS-WMTB-V4A (29x8)
Lettering field size: 29 x 8 mm



- The use of modern laser technology creates highly resistant and permanent marking, which can only be removed by destroying the material
- The LS-WMTB-V4A ... product group can be marked in two ways: by engraving or annealing
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements

Can be marked using:



Direct laser marking

General data

Can be marked using

Material

Wipe resistance

Components

Description

Stainless steel label, for assembly with cable binders, conductor diameter

36-section, > 2.9 mm Ø

16-section, > 4.6 mm Ø

16-section, > 4.6 mm Ø

8-section, > 4.6 mm Ø

Aluminum label, for assembly with cable binders, conductor diameter

36-section, > 2.9 mm Ø

16-section, > 4.6 mm Ø

16-section, > 4.6 mm Ø

8-section, > 4.6 mm Ø

Sheet hopper, for TOPMARK LASER

Notes:

For corresponding stainless steel cable binders, see page 594.

PRINTED
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Stainless steel, material thickness: 0.5 mm

PRINTED
FOR YOU



Aluminum, material thickness: 0.8 mm

PRINTED
FOR YOU



Aluminum, black, material thickness: 0.8 mm

Technical data		
TOPMARK LASER V4A DIN EN 61010-1 (VDE 0411-1) free from silicone, halogen, and cadmium		
Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-WMTB-V4A (29X8)	0831516	5
LS-WMTB-V4A (40X15)	0831517	5
LS-WMTB-V4A (60X15)	0831518	5
LS-WMTB-V4A (100X15)	0831519	5
Accessories		
TOPMARK LASER-MAG SHEET	0831836	1

Technical data		
TOPMARK LASER aluminum DIN EN 61010-1 (VDE 0411-1) free from silicone, halogen, and cadmium		
Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-WMTB-AL (29X8)	0831500	5
LS-WMTB-AL (40X15)	0831501	5
LS-WMTB-AL (60X15)	0831502	5
LS-WMTB-AL (100X15)	0831503	5
Accessories		
TOPMARK LASER-MAG SHEET	0831836	1

Technical data		
TOPMARK LASER aluminum DIN EN 61010-1 (VDE 0411-1) free from silicone, halogen, and cadmium		
Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-WMTB-AL (29X8) BK	0831508	5
LS-WMTB-AL (40X15) BK	0831509	5
LS-WMTB-AL (60X15) BK	0831510	5
LS-WMTB-AL (100X15) BK	0831511	5
Accessories		
TOPMARK LASER-MAG SHEET	0831836	1

Conductor and cable marking

Stainless steel and aluminum cable marking for assembly with cable binders



- The LS-WMTB ... product range in circular format is available in stainless steel (V4A) or aluminum and includes markers that can be quickly and easily fitted with cable binders
- The LS-WMTB-V4A ... group is particularly characterized by its high resistance to saltwater, chloride, and solvents and it is therefore also suitable for the most demanding industrial requirements



- By selecting the material in the CLIP PROJECT planning and configuration software, the correct laser parameters are automatically passed to the TOPMARK LASER
- **Designation example:**
LS-WMTB-V4A (D25)
Diameter: 25 mm



- The use of modern laser technology creates highly resistant and permanent marking, which can only be removed by destroying the material
- The LS-WMTB-V4A ... product group can be marked in two ways: by engraving or annealing
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements

Can be marked using:



Direct laser marking

General data

Can be marked using

Material

Wipe resistance

Components

Description

Stainless steel label, round, for assembly with cable binders

30-section, diameter: 25 mm

20-section, diameter: 30 mm

Aluminum label, round, for assembly with cable binders

30-section, diameter: 25 mm

20-section, diameter: 30 mm

Sheet hopper, for TOPMARK LASER

Notes:

For corresponding stainless steel cable binders, see page 594.

PRINTED
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Stainless steel, material thickness: 0.5 mm

PRINTED
FOR YOU



Aluminum, material thickness: 0.8 mm

PRINTED
FOR YOU



Aluminum, black, material thickness: 0.8 mm

Technical data		
TOPMARK LASER V4A DIN EN 61010-1 (VDE 0411-1) free from silicone, halogen, and cadmium		
Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-WMTB-V4A (D25)	0831520	5
LS-WMTB-V4A (D30)	0831521	5
Accessories		
TOPMARK LASER-MAG SHEET	0831836	1

Technical data		
TOPMARK LASER aluminum DIN EN 61010-1 (VDE 0411-1) free from silicone, halogen, and cadmium		
Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-WMTB-AL (D25)	0831504	5
LS-WMTB-AL (D30)	0831505	5
Accessories		
TOPMARK LASER-MAG SHEET	0831836	1

Technical data		
TOPMARK LASER aluminum DIN EN 61010-1 (VDE 0411-1) free from silicone, halogen, and cadmium		
Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-WMTB-AL (D25) BK	0831512	5
LS-WMTB-AL (D30) BK	0831513	5
Accessories		
TOPMARK LASER-MAG SHEET	0831836	1

Conductor and cable marking

Aluminum cable marking for assembly with cable binders



UV LED technology



Aluminum, material thickness: 0.8 mm

The WMTBA... product range is available in aluminum (AL) and is characterized by:

- High-quality appearance
- Easy assembly with cable binders
- Suitable for large-surface marking of conductors and cables > 2.9 mm in diameter

Notes:
For corresponding stainless steel cable binders, see page 594.

General data
Can be marked using
Material
Wipe resistance
Components

Description	Color
Aluminum label , 0.8 mm thick, conductor diameter [mm]	
Lettering field size: 29 x 8 mm, > 2.9 mm Ø	aluminum
Lettering field size: 40 x 15 mm, > 4.6 mm Ø	aluminum
Lettering field size: 60 x 15 mm, > 4.6	aluminum
Aluminum label , round, 0.8 mm thick	
Diameter: 30 mm	aluminum

Magazine, for BLUEMARK printer, for accommodating aluminum labels
for WMTB-AL (29X8)
for WMTB-AL (40X15)
for WMTB-AL (60X15)
Magazine, for BLUEMARK printer, for accommodating stainless steel and aluminum labels
for WMTB-AL (D30) ...

Technical data
BLUEMARK CLED
aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data		
Type	Order No.	Pcs. / Pkt.
WMTB-AL (29X8)	0830805	90
WMTB-AL (40X15)	0830524	45
WMTB-AL (60X15)	0830525	45

Accessories		
BLUEMARK MAG WM-M (29X8)	0802743	1
BLUEMARK MAG WM-M (40X15)	0802744	1
BLUEMARK MAG WM-M (60X15)	0802746	1



Aluminum, material thickness: 0.8 mm

Technical data

BLUEMARK CLED
aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs. / Pkt.
WMTB-AL (D30)	0830804	90

Accessories

BLUEMARK MAG WM-M (D30)	0802747	1
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Marking and labeling - MARKING system

Conductor and cable marking

Clip-on UniCard conductor marking

Can be marked using:



UV LED technology



Plotter



Markers for conductor diameters
from 1.2 to 1.9 mm

- The UC-WMC ... UniCard marking range includes markers for captive marking of control cables right through to light plastic-sheathed cables with large diameters
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The format automatically ensures printing with a high level of positional accuracy
- Can be clipped on even after wiring has been completed
- One-handed assembly
- Two marking areas that are clearly legible at all times
- The markers support multiline marking
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

For more variants, see phoenixcontact.net/products.

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	
Conductor diameter range	[mm]
Conductor cross section range	[mm²]
Conductor cross section range	AWG

Description

UniCard, for subsequent marking of conductors, lettering field size 15 x 4 mm, 20-section, 4 individual labels per strip

white
red
orange
yellow
violet
blue

UniCard, for subsequent marking of conductors, lettering field size 30 x 4 mm, 12-section, 4 individual labels per strip

white

Magazine, for CMS-P1-PLOTTER

Technical data

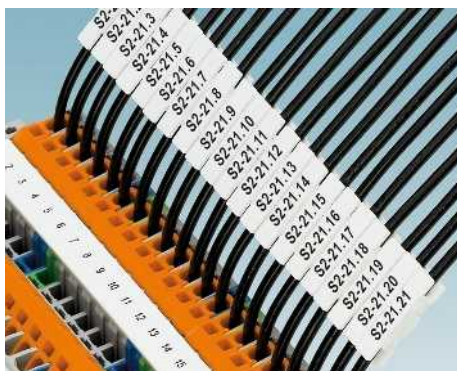
BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen
1.2 ... 1.9
0.25 ... 0.34
24 ... 22

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMC 1,9 (15X4)	0828004	10
UC-WMC 1,9 (15X4) RD	0828006	10
UC-WMC 1,9 (15X4) OG	0828007	10
UC-WMC 1,9 (15X4) YE	0828008	10
UC-WMC 1,9 (15X4) VT	0828009	10
UC-WMC 1,9 (15X4) BU	0828010	10
UC-WMC 1,9 (30X4)	0830283	10

Accessories

P1 UC-MAG 1	5146079	1
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Clip-on UniCard conductor marking

Markers for conductor diameters
from 1.9 to 3.1 mm

General data		Technical data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER		
Material		PA		
Inflammability class according to UL 94		V2		
Temperature range	[°C]	-40 ... 120		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen		
Conductor diameter range	[mm]	1.9 ... 3.1		
Conductor cross section range	[mm²]	0.5 ... 1.5		
Conductor cross section range	AWG	20 ... 16		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard , for subsequent marking of conductors, lettering field size 15 x 4 mm, 20-section, 4 individual labels per strip				
	white	UC-WMC 3,1 (15X4)	0818205	10
	red	UC-WMC 3,1 (15X4) RD	0818755	10
	orange	UC-WMC 3,1 (15X4) OG	0818726	10
	yellow	UC-WMC 3,1 (15X4) YE	0818739	10
	violet	UC-WMC 3,1 (15X4) VT	0825370	10
	blue	UC-WMC 3,1 (15X4) BU	0818742	10
UniCard , for subsequent marking of conductors, lettering field size 23 x 4 mm, 12-section, 4 individual labels per strip				
	white	UC-WMC 3,1 (23X4)	0818218	10
	red	UC-WMC 3,1 (23X4) RD	0818807	10
	orange	UC-WMC 3,1 (23X4) OG	0818771	10
	yellow	UC-WMC 3,1 (23X4) YE	0818784	10
	violet	UC-WMC 3,1 (23X4) VT	0825371	10
	blue	UC-WMC 3,1 (23X4) BU	0818797	10
UniCard , for subsequent marking of conductors, lettering field size 30 x 4 mm, 12-section, 4 individual labels per strip				
	white	UC-WMC 3,1 (30X4)	0819631	10
	red	UC-WMC 3,1 (30X4) RD	0820769	10
	orange	UC-WMC 3,1 (30X4) OG	0823863	10
	yellow	UC-WMC 3,1 (30X4) YE	0819644	10
	violet	UC-WMC 3,1 (30X4) VT	0825372	10
	blue	UC-WMC 3,1 (30X4) BU	0820756	10
		Accessories		
Magazine , for CMS-P1-PLOTTER		P1 UC-MAG 1	5146079	1

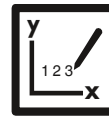
Conductor and cable marking

Clip-on UniCard conductor marking

Can be marked using:



UV LED technology



Plotter



Markers for conductor diameters
from 2.8 to 4.4 mm

- The UC-WMC ... UniCard marking range includes markers for captive marking of control cables right through to light plastic-sheathed cables with large diameters
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The format automatically ensures printing with a high level of positional accuracy
- Can be clipped on even after wiring has been completed
- One-handed assembly
- Two marking areas that are clearly legible at all times
- The markers support multiline marking
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	
Conductor diameter range	[mm]
Conductor cross section range	[mm²]
Conductor cross section range	AWG

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen
2.8 ... 4.4
1.5 ... 4
16 ... 12

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard , for subsequent marking of conductors, lettering field size 15 x 5.5 mm, 15-section, 3 individual labels per strip				
	white	UC-WMC 4,4 (15X5,5)	0818182	10
	red	UC-WMC 4,4 (15X5,5) RD	0818852	10
	orange	UC-WMC 4,4 (15X5,5) OG	0818823	10
	yellow	UC-WMC 4,4 (15X5,5) YE	0818836	10
	violet	UC-WMC 4,4 (15X5,5) VT	0825373	10
	blue	UC-WMC 4,4 (15X5,5) BU	0818849	10
	green	UC-WMC 4,4 (15X5,5) GN	0818865	10
UniCard , for subsequent marking of conductors, lettering field size 23 x 5.5 mm, 9-section, 3 individual labels per strip				
	white	UC-WMC 4,4 (23X5,5)	0818195	10
	red	UC-WMC 4,4 (23X5,5) RD	0818904	10
	orange	UC-WMC 4,4 (23X5,5) OG	0818878	10
	yellow	UC-WMC 4,4 (23X5,5) YE	0818881	10
	violet	UC-WMC 4,4 (23X5,5) VT	0825374	10
	blue	UC-WMC 4,4 (23X5,5) BU	0818894	10
	green	UC-WMC 4,4 (23X5,5) GN	0818917	10
UniCard , for subsequent marking of conductors, lettering field size 30 x 5.5 mm, 9-section, 3 individual labels per strip				
	white	UC-WMC 4,4 (30X5,5)	0819657	10
	red	UC-WMC 4,4 (30X5,5) RD	0820882	10
	orange	UC-WMC 4,4 (30X5,5) OG	0823944	10
	yellow	UC-WMC 4,4 (30X5,5) YE	0819660	10
	violet	UC-WMC 4,4 (30X5,5) VT	0825375	10
	blue	UC-WMC 4,4 (30X5,5) BU	0820879	10
	green	UC-WMC 4,4 (30X5,5) GN	0823957	10

Accessories

Magazine, for CMS-P1-PLOTTER

P1 UC-MAG 2	5146082	1
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Clip-on UniCard conductor marking

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Markers for conductor diameters
from 4.2 to 5.6 mm

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Markers for conductor diameters
from 5 to 7.5 mm

General data		Technical data			Technical data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER			BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER		
Material		PA			PA		
Inflammability class according to UL 94		V2			V2		
Temperature range	[°C]	-40 ... 120			-40 ... 120		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)			DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen			Free from silicone and halogen		
Conductor diameter range	[mm]	4.2 ... 5.6			5 ... 7.5		
Conductor cross section range	[mm²]	4 ... 10			6 ... 16		
Conductor cross section range	AWG	12 ... 10			10 ... 6		
		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard, for subsequent marking of conductors, lettering field size 23 x 8 mm, 6-section, 2 individual labels per strip	white	UC-WMC 5,6 (23X8)	0825382	5	UC-WMC 7,5 (23X8)	0818179	5
	red	UC-WMC 5,6 (23X8) RD	0825387	5	UC-WMC 7,5 (23X8) RD	0819039	5
	orange	UC-WMC 5,6 (23X8) OG	0825385	5	UC-WMC 7,5 (23X8) OG	0818920	5
	yellow	UC-WMC 5,6 (23X8) YE	0825386	5	UC-WMC 7,5 (23X8) YE	0818933	5
	violet	UC-WMC 5,6 (23X8) VT	0825388	5	UC-WMC 7,5 (23X8) VT	0825376	5
	blue	UC-WMC 5,6 (23X8) BU	0825383	5	UC-WMC 7,5 (23X8) BU	0818946	5
	green	UC-WMC 5,6 (23X8) GN	0825384	5	UC-WMC 7,5 (23X8) GN	0818959	5
UniCard, for subsequent marking of conductors, lettering field size 30 x 8 mm, 6-section, 2 individual labels per strip	white	UC-WMC 5,6 (30X8)	0825396	5	UC-WMC 7,5 (30X8)	0819673	5
	red	UC-WMC 5,6 (30X8) RD	0825401	5	UC-WMC 7,5 (30X8) RD	0820963	5
	orange	UC-WMC 5,6 (30X8) OG	0825399	5	UC-WMC 7,5 (30X8) OG	0823724	5
	yellow	UC-WMC 5,6 (30X8) YE	0825400	5	UC-WMC 7,5 (30X8) YE	0819686	5
	violet	UC-WMC 5,6 (30X8) VT	0825402	5	UC-WMC 7,5 (30X8) VT	0825377	5
	blue	UC-WMC 5,6 (30X8) BU	0825397	5	UC-WMC 7,5 (30X8) BU	0820950	5
	green	UC-WMC 5,6 (30X8) GN	0825398	5	UC-WMC 7,5 (30X8) GN	0823708	5
		Accessories			Accessories		
Magazine, for CMS-P1-PLOTTER		P1 UC-MAG 3	5146095	1	P1 UC-MAG 3	5146095	1

Marking and labeling - MARKING system

Conductor and cable marking

UniCard slide-on conductor marking

- The UC-WMCO ... UniCard marking range includes slide-on markers for the subsequent marking of conductors. They can be slid on easily using the UC-WMCO ... TOOL
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK or plotter
- The format automatically ensures printing with a high level of positional accuracy
- Large-surface marking in a space-saving design



Markers for conductor diameters
from 1.3 to 1.6 mm



Markers for conductor diameters
from 1.6 to 2.1 mm

General data			Technical data			Technical data		
Can be marked using			BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER			BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER		
Material			PA			PA		
Inflammability class according to UL 94			V2			V2		
Temperature range		[°C]	-40 ... 120			-40 ... 120		
Components			Free from silicone and halogen			Free from silicone and halogen		
Conductor diameter range		[mm]	1.3 ... 1.6			1.6 ... 2.1		
Conductor cross section range		[mm²]	0.25 ... 0.5			0.5 ... 0.75		
Ordering data			Ordering data			Ordering data		
Description	Color		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard , for subsequent marking of conductors, lettering field size 12 x 3 mm, 40-section, 10 individual labels per strip	white		UC-WMCO 1,6 (12X3)	0827092	10	UC-WMCO 2,1 (12X3)	0827120	10
	red		UC-WMCO 1,6 (12X3) RD	0827516	10	UC-WMCO 2,1 (12X3) RD	0827540	10
	orange		UC-WMCO 1,6 (12X3) OG	0827517	10	UC-WMCO 2,1 (12X3) OG	0827541	10
	yellow		UC-WMCO 1,6 (12X3) YE	0827513	10	UC-WMCO 2,1 (12X3) YE	0827537	10
	violet		UC-WMCO 1,6 (12X3) VT	0827518	10	UC-WMCO 2,1 (12X3) VT	0827542	10
	blue		UC-WMCO 1,6 (12X3) BU	0827514	10	UC-WMCO 2,1 (12X3) BU	0827538	10
	green		UC-WMCO 1,6 (12X3) GN	0827515	10	UC-WMCO 2,1 (12X3) GN	0827539	10
UniCard , for subsequent marking of conductors, lettering field size 21 x 3 mm, 40-section, 10 individual labels per strip	white		UC-WMCO 1,6 (21X3)	0827106	10	UC-WMCO 2,1 (21X3)	0827134	10
	red		UC-WMCO 1,6 (21X3) RD	0827528	10	UC-WMCO 2,1 (21X3) RD	0827552	10
	orange		UC-WMCO 1,6 (21X3) OG	0827529	10	UC-WMCO 2,1 (21X3) OG	0827553	10
	yellow		UC-WMCO 1,6 (21X3) YE	0827525	10	UC-WMCO 2,1 (21X3) YE	0827549	10
	violet		UC-WMCO 1,6 (21X3) VT	0827530	10	UC-WMCO 2,1 (21X3) VT	0827554	10
	blue		UC-WMCO 1,6 (21X3) BU	0827526	10	UC-WMCO 2,1 (21X3) BU	0807550	10
	green		UC-WMCO 1,6 (21X3) GN	0827527	10	UC-WMCO 2,1 (21X3) GN	0827551	10
Accessories			Accessories			Accessories		
Magazine , for CMS-P1-PLOTTER			P1 UC-MAG 7	5146568	1	P1 UC-MAG 7	5146568	1
Assembly tool , for easily sliding on UC-WMCO 1,6 and UC-WMCO 2,1 conductor markers			UC-WMCO 2,1 TOOL	0827803	10	UC-WMCO 2,1 TOOL	0827803	10
Assembly tool set , for easily sliding on UC-WMCO 1,6 ... and UC-WMCO 4,9 ... conductor markers			UC-WMCO TOOL SET	0827807	1	UC-WMCO TOOL SET	0827807	1

UniCard slide-on conductor marking



Markers for conductor diameters
from 2.1 to 2.9 mm



Markers for conductor diameters
from 2.9 to 3.6 mm

General data		Technical data			Technical data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER			BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER		
Material		PA			PA		
Inflammability class according to UL 94		V2			V2		
Temperature range	[°C]	-40 ... 120			-40 ... 120		
Components		Free from silicone and halogen			Free from silicone and halogen		
Conductor diameter range	[mm]	2.1 ... 2.9			2.9 ... 3.6		
Conductor cross section range	[mm²]	0.75 ... 1.5			1.5 ... 2.5		
Ordering data		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard, for subsequent marking of conductors, lettering field size 12 x 3.5 mm, 40-section, 10 individual labels per strip	white	UC-WMCO 2,9 (12X3,5)	0827148	10			
	red	UC-WMCO 2,9 (12X3,5) RD	0827564	10			
	orange	UC-WMCO 2,9 (12X3,5) OG	0827565	10			
	yellow	UC-WMCO 2,9 (12X3,5) YE	0827561	10			
	violet	UC-WMCO 2,9 (12X3,5) VT	0827566	10			
	blue	UC-WMCO 2,9 (12X3,5) BU	0827562	10			
	green	UC-WMCO 2,9 (12X3,5) GN	0827563	10			
UniCard, for subsequent marking of conductors, lettering field size 21 x 3.5 mm, 40-section, 10 individual labels per strip	white	UC-WMCO 2,9 (21X3,5)	0827162	10			
	red	UC-WMCO 2,9 (21X3,5) RD	0827576	10			
	orange	UC-WMCO 2,9 (21X3,5) OG	0827577	10			
	yellow	UC-WMCO 2,9 (21X3,5) YE	0827573	10			
	violet	UC-WMCO 2,9 (21X3,5) VT	0827578	10			
	blue	UC-WMCO 2,9 (21X3,5) BU	0827574	10			
	green	UC-WMCO 2,9 (21X3,5) GN	0827575	10			
UniCard, for subsequent marking of conductors, lettering field size 12 x 4.5 mm, 32-section, 8 individual labels per strip	white				UC-WMCO 3,6 (12X4,5)	0827176	10
	red					0827588	10
	orange					0827589	10
	yellow					0827585	10
	violet					0827590	10
	blue					0827586	10
	green					0827587	10
UniCard, for subsequent marking of conductors, lettering field size 21 x 4.5 mm, 32-section, 8 individual labels per strip	white				UC-WMCO 3,6 (21X4,5)	0827190	10
	red					0827600	10
	orange					0827601	10
	yellow					0827597	10
	violet					0827602	10
	blue					0827598	10
	green					0827599	10
Accessories		Accessories			Accessories		
Magazine, for CMS-P1-PLOTTER		P1 UC-MAG 7	5146568	1	P1 UC-MAG 7	5146568	1
Assembly tool, for easily sliding on UC-WMCO 2,9 ... and UC-WMCO 3,6 ... conductor markers		UC-WMCO 3,6 TOOL	0827804	10	UC-WMCO 3,6 TOOL	0827804	10
Assembly tool set, for easily sliding on UC-WMCO 1,6 ... and UC-WMCO 4,9 ... conductor markers		UC-WMCO TOOL SET	0827807	1	UC-WMCO TOOL SET	0827807	1

Marking and labeling - MARKING system

Conductor and cable marking

UniCard slide-on conductor marking

- The UC-WMCO ... UniCard marking range includes slide-on markers for the subsequent marking of conductors. They can be slid on easily using the UC-WMCO ... TOOL
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK or plotter

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Markers for conductor diameters from 3.6 to 4.9 mm, lettering field size 12 x 5 mm

PRINTED
FOR YOU



Markers for conductor diameters from 3.6 to 4.9 mm, lettering field size 21 x 5 mm

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Components	
Conductor diameter range	[mm]
Conductor cross section range	[mm²]

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
Free from silicone and halogen
3.6 ... 4.9
2.5 ... 4

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
Free from silicone and halogen
3.6 ... 4.9
2.5 ... 4

Ordering data

Description	Color
UniCard , for subsequent marking of conductors, lettering field size 12 x 5 mm, 24-section, 6 individual labels per strip	

Type	Order No.	Pcs. / Pkt.
UC-WMCO 4,9 (12X5)	0827733	5
UC-WMCO 4,9 (12X5) RD	0827737	5
UC-WMCO 4,9 (12X5) OG	0827738	5
UC-WMCO 4,9 (12X5) YE	0827734	5
UC-WMCO 4,9 (12X5) VT	0827739	5
UC-WMCO 4,9 (12X5) BU	0827735	5
UC-WMCO 4,9 (12X5) GN	0827736	5

UniCard , for subsequent marking of conductors, lettering field size 21 x 5 mm, 24-section, 6 individual labels per strip	
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Type	Order No.	Pcs. / Pkt.
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UC-WMCO 4,9 (21X5)	0827747	5
UC-WMCO 4,9 (21X5) RD	0827751	5
UC-WMCO 4,9 (21X5) OG	0827752	5
UC-WMCO 4,9 (21X5) YE	0827748	5
UC-WMCO 4,9 (21X5) VT	0827753	5
UC-WMCO 4,9 (21X5) BU	0827749	5
UC-WMCO 4,9 (21X5) GN	0827750	5

Accessories

Magazine, for CMS-P1-PLOTTER

Assembly tool, for easily sliding on UC-WMCO 4,9 ... conductor markers

Assembly tool set, for easily sliding on UC-WMCO 1,6 ... and UC-WMCO 4,9 ... conductor markers

P1 UC-MAG 7	5146568	1
UC-WMCO 5,8 TOOL	0827805	10
UC-WMCO TOOL SET	0827807	1

Accessories

P1 UC-MAG 7	5146568	1
UC-WMCO 5,8 TOOL	0827805	10
UC-WMCO TOOL SET	0827807	1

Conductor marking with ferrules that can be marked

Can be marked using:



UV LED technology



Ferrules for conductors with a cross section of 0.5 to 2.5 mm², lettering field size: 15 x 4 mm

- Ferrules can be marked with BLUEMARK
- Crimping and marking in one step
- Highly resistant and optimum printing quality, thanks to modern UV printing technology
- Ferrules made from electrolytic copper
- Electroplated
- Corresponding crimping pliers can be found on page 389

General data

Can be marked using
Material / coating
Temperature range
Components

[°C]

Description	Color
Ferrules , with plastic sleeve that can be marked, color range according to DIN 46228-4: 1990-09	
20 pcs., 0.5 mm ² cross section	white
20 pcs., 0.75 mm ² cross section	gray
20 pcs., 1.0 mm ² cross section	red
20 pcs., 1.5 mm ² cross section	white
20 pcs., 2.5 mm ² cross section	blue

Magazine for BLUEMARK printer, for accommodating ferrules with insulating collar that can be marked

For 0.5 – 1.5 mm²
For 2.5 mm²

Technical data

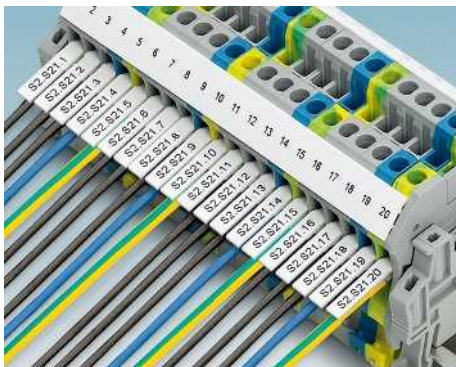
BLUEMARK CLED • BLUEMARK LED
E-CU / tin-plated (galvanic)
-40 ... 120
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
AI-WM 0,5-8 WH	3240542	780
AI-WM 0,75-8 GY	3240543	780
AI-WM 1-8 RD	3240544	780
AI-WM 1,5-8 WH	3240545	780
AI-WM 2,5-8 BU	3240572	528

Accessories

BLUEMARK MAG AI-WM	5146567	1
BLUEMARK MAG AI-WM 2,5	5146640	1



Marking and labeling - MARKING system

Conductor and cable marking

UniCard conductor marking for marking collars

Can be marked using:



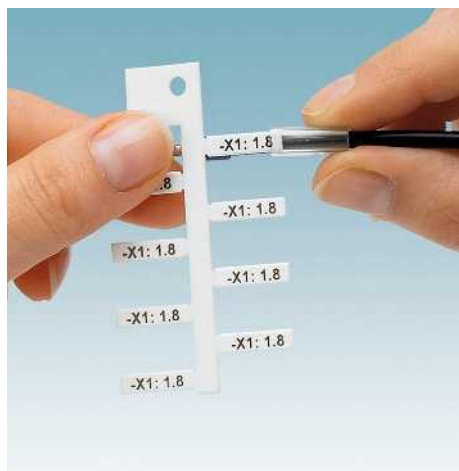
UV LED technology



Plotter



Marker with lettering field size
10 x 4 mm to 18 x 4 mm



- The UC-WMT ... UniCard marking range includes markers for conductor marking with marking collars from the PATG/PATO ... system; see page 214
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The format automatically ensures printing with a high level of positional accuracy
- Marked insert strips are simply inserted into the collars. This protects the marking against contamination
- To simplify mounting, the insert labels are arranged on UniCard sheets so that they can be separated branch by branch
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

PATG/PATO ... system, see page 214.

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

[°C]

Components

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER

PA

V2

-40 ... 120

Free from silicone and halogen

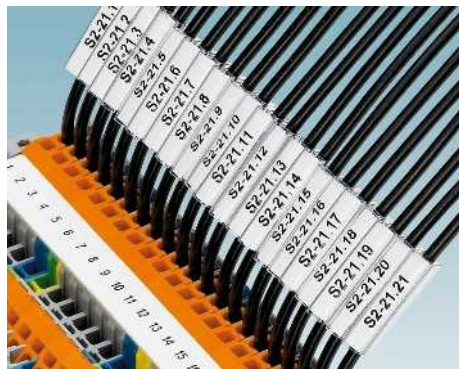
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 10 x 4 mm, 48-section, 8 individual labels per strip	white	UC-WMT (10X4)	0819372	10
	red	UC-WMT (10X4) RD	0821001	10
	orange	UC-WMT (10X4) OG	0823986	10
	yellow	UC-WMT (10X4) YE	0819385	10
	violet	UC-WMT (10X4) VT	0825360	10
	blue	UC-WMT (10X4) BU	0820992	10
	green	UC-WMT (10X4) GN	0823999	10
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 12 x 4 mm, 32-section, 8 individual labels per strip	white	UC-WMT (12X4)	0823517	10
	red	UC-WMT (12X4) RD	0823614	10
	orange	UC-WMT (12X4) OG	0823588	10
	yellow	UC-WMT (12X4) YE	0823591	10
	violet	UC-WMT (12X4) VT	0825378	10
	blue	UC-WMT (12X4) BU	0823575	10
	green	UC-WMT (12X4) GN	0823601	10
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 15 x 4 mm, 32-section, 8 individual labels per strip	white	UC-WMT (15X4)	0819398	10
	red	UC-WMT (15X4) RD	0821043	10
	orange	UC-WMT (15X4) OG	0824037	10
	yellow	UC-WMT (15X4) YE	0819408	10
	violet	UC-WMT (15X4) VT	0825361	10
	blue	UC-WMT (15X4) BU	0821030	10
	green	UC-WMT (15X4) GN	0824040	10
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 18 x 4 mm, 24-section, 8 individual labels per strip	white	UC-WMT (18X4)	0820293	10
	red	UC-WMT (18X4) RD	0821085	10
	orange	UC-WMT (18X4) OG	0824079	10
	yellow	UC-WMT (18X4) YE	0820303	10
	violet	UC-WMT (18X4) VT	0825362	10
	blue	UC-WMT (18X4) BU	0821072	10
	green	UC-WMT (18X4) GN	0824082	10

Magazine, for CMS-P1-PLOTTER

Accessories

P1 UC-MAG 4	5146105	1
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UniCard conductor marking for marking collars



Marker with lettering field size 23 x 4 mm



Marker with lettering field size 30 x 4 mm

General data		Technical data			Technical data			
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER			BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER			
Material		PA			PA			
Inflammability class according to UL 94		V2			V2			
Temperature range		-40 ... 120			-40 ... 120			
Components		Free from silicone and halogen			Free from silicone and halogen			
		Ordering data			Ordering data			
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.	
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 23 x 4 mm, 24-section, 8 individual labels strip	white	UC-WMT (23X4)	0819411	10				
	red	UC-WMT (23X4) RD	0821124	10				
	orange	UC-WMT (23X4) OG	0824118	10				
	yellow	UC-WMT (23X4) YE	0819424	10				
	violet	UC-WMT (23X4) VT	0825363	10				
	blue	UC-WMT (23X4) BU	0821111	10				
	green	UC-WMT (23X4) GN	0824121	10				
	silver	UC-WMT (23X4) SR	0802719	10				
UniCard sheet, with insert strips for PATG and PATO marking collars, for lettering field size 30 x 4 mm, 24-section, 8 individual labels strip	white				UC-WMT (30X4)	0819437	10	
	red				UC-WMT (30X4) RD	0821166	10	
	orange				UC-WMT (30X4) OG	0824150	10	
	yellow				UC-WMT (30X4) YE	0819440	10	
	violet				UC-WMT (30X4) VT	0825364	10	
	blue				UC-WMT (30X4) BU	0821153	10	
	green				UC-WMT (30X4) GN	0824163	10	
Accessories				Accessories				
Magazine, for CMS-P1-PLOTTER		P1 UC-MAG 4	5146105	1	P1 UC-MAG 4		5146105	1

Marking and labeling - MARKING system

Conductor and cable marking

UniCard cable marking for assembly with cable binders

Can be marked using:



UV LED technology



Plotter



Markers for cable diameters > 7 mm

- The UC-WMTB ... and UC-WMTBA ... UniCard marking range includes markers that can be secured using standard cable binders
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The format automatically ensures printing with a high level of positional accuracy
- For large-surface marking of conductors and cables > 7 mm in diameter
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

For more cable markers for fixing with cable binders, visit: phoenixcontact.net/products

For corresponding cable binders, see from page 588.

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Components	
Cable diameter range	[mm]
Cable cross section range	[mm²]

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
Free from silicone and halogen
> 7
> 16

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard , for mounting with two cable binders, lettering field size: 44 x 15 mm, 4-section, 1 individual label per strip				
	white	UC-WMTB (44X15)	0828376	10
	red	UC-WMTB (44X15) RD	0828377	10
	orange	UC-WMTB (44X15) OG	0828378	10
	yellow	UC-WMTB (44X15) YE	0828379	10
	violet	UC-WMTB (44X15) VT	0828380	10
	blue	UC-WMTB (44X15) BU	0828381	10
	green	UC-WMTB (44X15) GN	0828382	10
	silver	UC-WMTB (44X15) SR	0828383	10
	brown	UC-WMTB (44X15) BN	0828384	10
UniCard , for mounting with one cable binder				
3-section, lettering field size: 52 x 30 mm	white	UC-WMTB (52X30)	5775288	10
2-section, lettering field size: 52 x 50 mm	white	UC-WMTB (52X50)	5775289	10

Accessories

Magazine, for CMS-P1-PLOTTER

P1 UC-MAG 6	5146121	1
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UniCard cable marking for assembly with cable binders

Notes:

Cable binders can be used for UC-WMTBA... up to a width of 5 mm.

For corresponding cable binders, see from page 588.

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Markers for cable diameters > 4 mm

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Markers for cable diameters > 6 mm

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Components	
Cable diameter range	[mm]

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
Free from silicone and halogen
> 4

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
Free from silicone and halogen
> 6

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMTBA (24X5)	0820426	10
UC-WMTBA (24X5) RD	0820565	10
UC-WMTBA (24X5) OG	0825342	10
UC-WMTBA (24X5) YE	0820439	10
UC-WMTBA (24X5) VT	0825344	10
UC-WMTBA (24X5) BU	0820552	10
UC-WMTBA (24X5) GN	0825343	10

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMTBA (29X8)	0820183	10
UC-WMTBA (29X8) RD	0820604	10
UC-WMTBA (29X8) OG	0825345	10
UC-WMTBA (29X8) YE	0820390	10
UC-WMTBA (29X8) VT	0825347	10
UC-WMTBA (29X8) BU	0820594	10
UC-WMTBA (29X8) GN	0825346	10
UC-WMTBA (29X8) SR	0802749	10

Description	Color
UniCard, for assembly with cable binders, lettering field size 24 x 5 mm, 12-section, 4 individual labels per strip	

white
red
orange
yellow
violet
blue
green

UniCard, for assembly with cable binders, lettering field size 29 x 6 mm, 12-section, 4 individual labels per strip	
---	--

white
red
orange
yellow
violet
blue
green
silver

UniCard, for assembly with cable binders, lettering field size 60 x 11 mm, 4-section, 1 individual label per strip	
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white
red
orange
yellow
violet
blue
green

Accessories

P1 UC-MAG 1	5146079	1
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Accessories

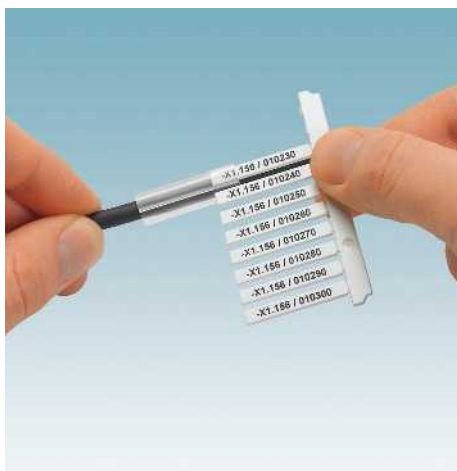
P1 UC-MAG 1	5146079	1
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Magazine, for CMS-P1-PLOTTER

Marking and labeling - MARKING system

Conductor and cable marking

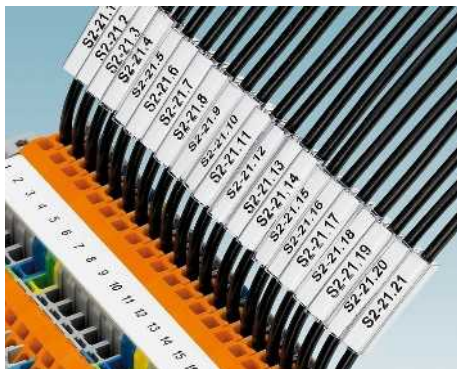
UniCard conductor marking for marking collars



- The UCT-WMT ... UniCard marking range includes markers for conductor marking with marking collars from the PATG/PATO ... system; see page 214
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK, TOPMARK LASER, and THERMOMARK CARD
- The format automatically ensures printing with a high level of positional accuracy
- Marked insert strips are simply inserted into the collars. This protects the marking against contamination
- To simplify mounting, the insert labels are arranged on UniCard sheets so that they can be separated branch by branch
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

PATG/PATO ... system, see page 214.



Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking

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Marker with lettering field size from 10 x 4 mm to 18 x 4 mm

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
PC V0
V0
-40 ... 120
Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 10 x 4 mm, 60-section	white	UCT-WMT (10X4)	0801430	10
	red	UCT-WMT (10X4) RD	0801433	10
	orange	UCT-WMT (10X4) OG	0801434	10
	yellow	UCT-WMT (10X4) YE	0801431	10
	violet	UCT-WMT (10X4) VT	0801436	10
	blue	UCT-WMT (10X4) BU	0801437	10
	green	UCT-WMT (10X4) GN	0801435	10
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 12 x 4 mm, 50-section	white	UCT-WMT (12X4)	0801438	10
	red	UCT-WMT (12X4) RD	0801440	10
	orange	UCT-WMT (12X4) OG	0801441	10
	yellow	UCT-WMT (12X4) YE	0801439	10
	violet	UCT-WMT (12X4) VT	0801443	10
	blue	UCT-WMT (12X4) BU	0801444	10
	green	UCT-WMT (12X4) GN	0801442	10
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 15 x 4 mm, 50-section	white	UCT-WMT (15X4)	0801446	10
	red	UCT-WMT (15X4) RD	0801448	10
	orange	UCT-WMT (15X4) OG	0801449	10
	yellow	UCT-WMT (15X4) YE	0801447	10
	violet	UCT-WMT (15X4) VT	0801451	10
	blue	UCT-WMT (15X4) BU	0801452	10
	green	UCT-WMT (15X4) GN	0801450	10
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 18 x 4 mm, 40-section	white	UCT-WMT (18X4)	0801462	10
	red	UCT-WMT (18X4) RD	0801464	10
	orange	UCT-WMT (18X4) OG	0801465	10
	yellow	UCT-WMT (18X4) YE	0801463	10
	violet	UCT-WMT (18X4) VT	0801467	10
	blue	UCT-WMT (18X4) BU	0801468	10
	green	UCT-WMT (18X4) GN	0801466	10

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating UCT-WMT ... sheets, UCT-EM (17X10)

THERMOMARK CARD-UCT-MAG7	0801734	1
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UniCard conductor marking for marking collars

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Marker with lettering field size 23 x 4 mm/30 x 4 mm

General data		Technical data		
Can be marked using		THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER		
Material		PC V0		
Inflammability class according to UL 94		V0		
Temperature range	[°C]	-40 ... 120		
Components		Free from silicone and halogen		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 23 x 4 mm	white	UCT-WMT (23X4)	0801453	10
	red	UCT-WMT (23X4) RD	0801455	10
	orange	UCT-WMT (23X4) OG	0801456	10
	yellow	UCT-WMT (23X4) YE	0801454	10
	violet	UCT-WMT (23X4) VT	0801459	10
	blue	UCT-WMT (23X4) BU	0801460	10
	green	UCT-WMT (23X4) GN	0801457	10
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 30 x 4 mm	white	UCT-WMT (30X4)	0801422	10
	red	UCT-WMT (30X4) RD	0801424	10
	orange	UCT-WMT (30X4) OG	0801425	10
	yellow	UCT-WMT (30X4) YE	0801423	10
	violet	UCT-WMT (30X4) VT	0801427	10
	blue	UCT-WMT (30X4) BU	0801428	10
	green	UCT-WMT (30X4) GN	0801426	10
		Accessories		
Magazine, for THERMOMARK CARD ..., for accommodating UCT-WMT ... sheets, UCT-EM (17X10)		THERMOMARK CARD-UCT-MAG7	0801734	1

Conductor and cable marking

UniCard slide-on conductor marking

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Marker for conductor diameters of 1.5 to 4.7 mm

- The UCT-WMS ... UniCard marking range includes markers that can be slid onto conductors
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the TOPMARK LASER, THERMOMARK CARD, and the BLUEMARK CLED
- The format automatically ensures printing with a high level of positional accuracy
- The markers support multiline marking
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

Components

[°C]

Description	Color
UniCard , for marking conductors with a diameter of 1.5 - 3.2 mm	
55-section, lettering field size: 12 x 4 mm	white yellow
45-section, lettering field size: 12 x 5.5 mm, for conductors with a diameter of 2.5 - 4.7 mm	white yellow

Magazine, for THERMOMARK CARD ..., for accommodating: UCT-WMS ...

Technical data

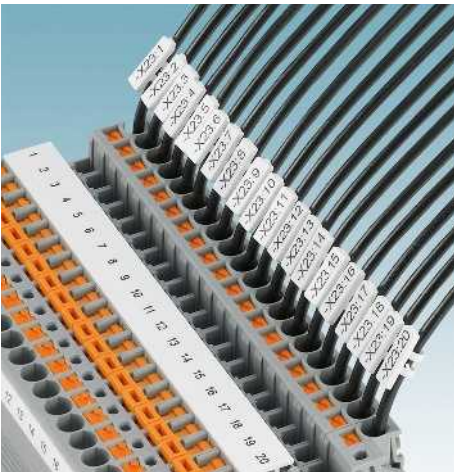
THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
PC V0
V0
-40 ... 120
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-WMS 3,2 (12X4)	0828570	8
UCT-WMS 3,2 (12X4) YE	0828572	8
UCT-WMS 4,7 (12X5,5)	0828571	6
UCT-WMS 4,7 (12X5,5) YE	0828573	6

Accessories

THERMOMARK CARD-UCT-MAG3	5146613	1
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Clip-on UniCard conductor marking

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking

PRINTED
FOR YOU



Markers for conductor diameters from 2 to 4.7 mm

- The UCT-WMCO ... UniCard marking range includes markers for the subsequent marking of conductors by clipping on
- Secure tight fit even in the event of vibrations
- The markers, which are supplied in uniform sheets, can be marked quickly and easily with the TOPMARK LASER, THERMOMARK CARD, and the BLUEMARK... printers
- The format automatically ensures printing with a high level of positional accuracy
- Large-surface marking in a space-saving design
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER

PC

V0

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

free from silicone, halogen, and cadmium

Ordering data

Description	Color
UniCard , for subsequent marking of conductors, conductor diameter 2 - 2.9 mm	
Lettering field size: 12 x 4 mm	white
	yellow
Lettering field size: 18 x 4 mm	white
	yellow
UniCard , for subsequent marking of conductors, conductor diameter 2.9 - 3.5 mm	
Lettering field size: 12 x 4 mm	white
	yellow
Lettering field size: 18 x 4 mm	white
	yellow
UniCard , for subsequent marking of conductors, conductor diameter 3.5 - 4.1 mm	
Lettering field size: 12 x 4 mm	white
	yellow
Lettering field size: 18 x 4 mm	white
	yellow
UniCard , for subsequent marking of conductors, conductor diameter 4.1 - 4.7 mm	
Lettering field size: 12 x 4 mm	white
	yellow
Lettering field size: 18 x 4 mm	white
	yellow

Type	Order No.	Pcs. / Pkt.
UCT-WMCO 2,9 (12X4)	0830780	9
UCT-WMCO 2,9 (12X4) YE	0831204	9
UCT-WMCO 2,9 (18X4)	0830781	9
UCT-WMCO 2,9 (18X4) YE	0831205	9
UCT-WMCO 3,5 (12X4)	0830782	7
UCT-WMCO 3,5 (12X4) YE	0831206	7
UCT-WMCO 3,5 (18X4)	0830783	7
UCT-WMCO 3,5 (18X4) YE	0831207	7
UCT-WMCO 4,1 (12X4)	0830784	6
UCT-WMCO 4,1 (12X4) YE	0831208	6
UCT-WMCO 4,1 (18X4)	0830785	6
UCT-WMCO 4,1 (18X4) YE	0831209	6
UCT-WMCO 4,7 (12X4)	0830786	6
UCT-WMCO 4,7 (12X4) YE	0831210	6
UCT-WMCO 4,7 (18X4)	0830787	6
UCT-WMCO 4,7 (18X4) YE	0831211	6

Magazine, for THERMOMARK CARD ..., for accommodating: UCT-WMCO ... (12 x 4)
Magazine for the THERMOMARK CARD printer, for accommodating: UCT sheets (UCT-WMCO... (18 x 4))

Accessories

THERMOMARK CARD-UCT-MAG25	0802935	1
THERMOMARK CARD-UCT-MAG28	0803205	1



Marking and labeling - MARKING system

Conductor and cable marking

UniCard cable marking for assembly with cable binders

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Markers for cable diameters > 5mm

- The UCT-WMTBA ... UniCard marking range includes markers that can be secured using standard cable binders
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely using the TOPMARK LASER, THERMOMARK CARD, and the BLUEMARK ...
- The format automatically ensures printing with a high level of positional accuracy
- For large-surface marking of conductors and cables > 5 mm in diameter
- The sheets provide space to include function texts
- Thanks to their angular shape, the markers fit perfectly onto cables
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

For cable binders up to 5 mm wide.

For matching cable binders, see page 588 onwards or the product area on our website at phoenixcontact.net/products.

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

Components

[°C]

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER

PC

V0

-40 ... 120

free from silicone, halogen, and cadmium

Ordering data

Description	Color
UniCard , for assembly with cable binders, for conductor diameters > 5 mm, 15-section, 5 individual labels per strip	
Lettering field size: 24 x 4 mm	white yellow
UniCard , for assembly with cable binders, for conductor diameters > 6 mm, 12-section, 4 individual labels per strip	
Lettering field size: 29 x 6 mm	white yellow
UniCard , for assembly with cable binders, for conductor diameters > 6 mm, 3-section, 1 individual label per strip	
Lettering field size: 40 x 17 mm	white
Lettering field size: 40 x 17 mm	white

Type	Order No.	Pcs. / Pkt.
UCT-WMTBA (24X4)	1014082	10
UCT-WMTBA (24X4) YE	1014083	10
UCT-WMTBA (29X6)	1014084	10
UCT-WMTBA (29X6) YE	1014085	10
UCT-WMTBA (40X17)	1014086	10
UCT-WMTBA (40X17)	1014086	10

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating: UCT-WMTBA ...

THERMOMARK CARD-UCT-MAG27	0802989	1
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UniCard cable marking for assembly with cable binders

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Markers for cable diameters > 2.9 mm

- The UCT-WMTB ... UniCard marking range includes markers that can be secured using standard cable binders
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely using the TOPMARK LASER, THERMOMARK CARD, and the BLUEMARK ...
- The format automatically ensures printing with a high degree of positioning accuracy
- For large-surface marking of conductors and cables > 2.9 mm in diameter
- The sheets provide space to include function texts
- Due to the lateral notches for the cable binders, the markers optimally adjust to smaller cable and conductor diameters > 2.9 mm
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

[°C]

Components

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER

PC V0

V0

-40 ... 120

Free from silicone and halogen

Ordering data

Description	Color
UniCard , for assembly with cable binders, for conductor diameters > 2.9 mm, 6-section, 1 individual label per strip	
Lettering field size: 29 x 8 mm	white
Lettering field size: 29 x 8 mm	blue
Lettering field size: 29 x 8 mm	green
Lettering field size: 29 x 8 mm	red
Lettering field size: 29 x 8 mm	gray
Lettering field size: 29 x 8 mm	yellow

Type	Order No.	Pcs. / Pkt.
UCT-WMTB (29X8)	0803321	10
UCT-WMTB (29X8) BU	0803324	10
UCT-WMTB (29X8) GN	0803325	10
UCT-WMTB (29X8) RD	0803323	10
UCT-WMTB (29X8) GY	0803326	10
UCT-WMTB (29X8) YE	0803322	10

Magazine, for THERMOMARK CARD ...

for accommodating UCT-EM (10 x 7), UCT-WMTB (29 x 8)

Accessories

THERMOMARK CARD-UCT-MAG20	0830751	1
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Notes:For matching cable binders, see page 588 onwards or the product area on our website at phoenixcontact.net/products.

Marking and labeling - MARKING system

Conductor and cable marking

UniSheet conductor marking for marking collars

Can be marked using:



Thermal transfer for sheets and cards



Marker with lettering field size 10 x 4 mm

- The US-WMT ... UniSheet marking range includes markers for conductor marking with marking collars from the PATG/PATO ... system
- The markers, which are supplied as uniform cards, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- Marked insert strips are simply inserted into the collars. This protects the marking against contamination
- The perforated marking strips are easy to separate and can be easily fitted
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers in accordance with your requirements

Notes:

For PATG/PATO... system marking collars, see page 214.

General data

Can be marked using
Number of individual labels
Number of individual labels per strip
Material
Inflammability class according to UL 94
Temperature range
Wipe resistance
Components

[°C]

THERMOMARK CARD
112
14
PVC
V0
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Description	Color
UniSheet, with insert strips for PATG and PATO marking collars, 112-section, lettering field size 10 x 4 mm	white
	red
	orange
	yellow
	violet
	blue
	green

Magazine, for THERMOMARK CARD..., for accommodating all US-materials

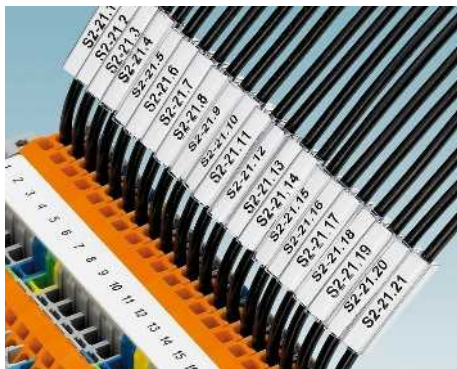
Technical data

Ordering data

Type	Order No.	Pcs. / Pkt.
US-WMT (10X4)	0828765	10
US-WMT (10X4) RD	0829273	10
US-WMT (10X4) OG	0829274	10
US-WMT (10X4) YE	0828952	10
US-WMT (10X4) VT	0829276	10
US-WMT (10X4) BU	0829277	10
US-WMT (10X4) GN	0829278	10

Accessories

THERMOMARK CARD-US-MAG1	5146451	1
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UniSheet conductor marking for marking collars

PRINTED
FOR YOU



Marker with lettering field size
12 x 4 to 30 x 4 mm

General data

Can be marked using	
Number of individual labels per strip	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

THERMOMARK CARD
14
PVC
V0
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet, with insert strips for PATG and PATO marking collars, 96-section, lettering field size 12 x 4 mm	white	US-WMT (12X4)	0828766	10
	red	US-WMT (12X4) RD	0829280	10
	orange	US-WMT (12X4) OG	0829281	10
	yellow	US-WMT (12X4) YE	0828953	10
	violet	US-WMT (12X4) VT	0829283	10
	blue	US-WMT (12X4) BU	0829284	10
	green	US-WMT (12X4) GN	0829285	10
UniSheet, with insert strips for PATG and PATO marking collars, 84-section, lettering field size 15 x 4 mm	white	US-WMT (15X4)	0828767	10
	red	US-WMT (15X4) RD	0829287	10
	orange	US-WMT (15X4) OG	0829288	10
	yellow	US-WMT (15X4) YE	0828954	10
	violet	US-WMT (15X4) VT	0829290	10
	blue	US-WMT (15X4) BU	0829291	10
	green	US-WMT (15X4) GN	0829292	10
UniSheet, with insert strips for PATG and PATO marking collars, 70-section, lettering field size 18 x 4 mm	white	US-WMT (18X4)	0828768	10
	red	US-WMT (18X4) RD	0829294	10
	orange	US-WMT (18X4) OG	0829295	10
	yellow	US-WMT (18X4) YE	0828955	10
	violet	US-WMT (18X4) VT	0829297	10
	blue	US-WMT (18X4) BU	0829298	10
	green	US-WMT (18X4) GN	0829299	10
UniSheet, with insert strips for PATG and PATO marking collars, 56-section, lettering field size 23 x 4 mm	white	US-WMT (23X4)	0828769	10
	red	US-WMT (23X4) RD	0829301	10
	orange	US-WMT (23X4) OG	0829302	10
	yellow	US-WMT (23X4) YE	0828956	10
	violet	US-WMT (23X4) VT	0829304	10
	blue	US-WMT (23X4) BU	0829305	10
	green	US-WMT (23X4) GN	0829306	10
UniSheet, with insert strips for PATG and PATO marking collars, 42-section, lettering field size 30 x 4 mm	white	US-WMT (30X4)	0828770	10
	red	US-WMT (30X4) RD	0829308	10
	orange	US-WMT (30X4) OG	0829309	10
	yellow	US-WMT (30X4) YE	0828957	10
	violet	US-WMT (30X4) VT	0829311	10
	blue	US-WMT (30X4) BU	0829312	10
	green	US-WMT (30X4) GN	0829313	10

Marking and labeling - MARKING system

Conductor and cable marking

UniSheet conductor marking for assembly with cable binders

Can be marked using:



Thermal transfer for sheets and cards



- The US-WMTB... UniSheet marking range includes markers that can be secured using standard cable binders
- The markers, which are supplied in uniform sheets, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- The perforated marking strips are easy to separate and can be easily fitted
- The sheets provide space to include function texts

Notes:

For corresponding cable binders, see from page 588.



Marker for conductor diameters > 13 mm

General data

Can be marked using
Material
Inflammability class according to UL 94
Temperature range
Wipe resistance
Components

[°C]

THERMOMARK CARD
PVC
V0
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet, with markers for attachment using cable binders, for a conductor diameter ≥ 13 mm 35-section, lettering field size: 24 x 5 mm	white	US-WMTB (24X5)	0828771	10
	red	US-WMTB (24X5) RD	0829320	10
	orange	US-WMTB (24X5) OG	0829321	10
	yellow	US-WMTB (24X5) YE	0828958	10
	violet	US-WMTB (24X5) VT	0829323	10
24-section, lettering field size: 29 x 8 mm, for conductor diameter ≥ 13 mm	blue	US-WMTB (24X5) BU	0829324	10
	green	US-WMTB (24X5) GN	0829325	10
	white	US-WMTB (29X8)	0828772	10
	red	US-WMTB (29X8) RD	0829327	10
	orange	US-WMTB (29X8) OG	0829328	10
12-section, lettering field size: 44 x 15 mm, for conductor diameter ≥ 13 mm	yellow	US-WMTB (29X8) YE	0828959	10
	violet	US-WMTB (29X8) VT	0829330	10
	blue	US-WMTB (29X8) BU	0829331	10
	green	US-WMTB (29X8) GN	0829332	10
	white	US-WMTB (44X15)	0828773	10
	red	US-WMTB (44X15) RD	0829334	10
	orange	US-WMTB (44X15) OG	0829335	10
	yellow	US-WMTB (44X15) YE	0828960	10
	violet	US-WMTB (44X15) VT	0829337	10
	blue	US-WMTB (44X15) BU	0829338	10
	green	US-WMTB (44X15) GN	0829339	10

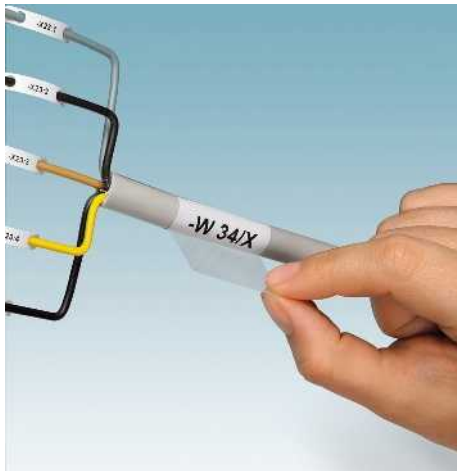
Magazine, for THERMOMARK CARD..., for accommodating all US-materials

Accessories

THERMOMARK CARD-US-MAG1	5146451	1



Self-adhesive conductor marking with transparent protective foil



- The US-WML ... cable marker labels consist of a marking field and a transparent protective foil
- The protective foil is wound over the marking and provides permanent protection against dirt and abrasion
- The cable marker labels do not increase the cross section of the cable, allowing the cable to be subsequently drawn through cable ducts, for example
- The markers, which are supplied in uniform sheets, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- Quick and easy handling
- Resistant to solvents

Can be marked using:



Thermal transfer for sheets and cards

PRINTED
FOR YOU



Marker for conductor diameters of up to 36 mm

General data

Can be marked using
Material
Temperature range
Wipe resistance
Components

[°C]

Technical data

THERMOMARK CARD
PVC
-50 ... 110
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color
Cable marker labels	
32-section, lettering field size: 13 x 13 mm, conductor diameter < 6.0 mm	white
8-section, lettering field size: 19 x 25 mm, conductor diameter < 14.0 mm	white
4-section, lettering field size: 25 x 25 mm, conductor diameter < 36.0 mm	white

Type	Order No.	Pcs. / Pkt.
US-WML 6 (13X13)	0800472	10
US-WML 14 (25X19)	0800473	10
US-WML 36 (25X25)	0800474	10

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US-materials

THERMOMARK CARD-US-MAG1	5146451	1
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Marking and labeling - MARKING system

Conductor and cable marking

Self-adhesive conductor marking with transparent protective foil

Can be marked using:



Office laser printing



Marker for conductor diameter up to 36 mm

- WML ... cable marker labels consist of a marking field and a transparent protective foil
- The protective foil is wound over the marking and provides permanent protection against dirt and abrasion
- The cable marker labels do not increase the cross section of the cable, allowing the cable to be subsequently drawn through cable ducts, for example
- Quick and easy handling
- Resistant to solvents

Notes:

Print image may vary depending on laser printer

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

- Office printing systems

Polyester

-40 ... 150

DIN EN 61010-1 (VDE 0411-1)

Free from halogen and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker labels, sheet format: A4, self-adhesive				
1 sheet = 168 labels, up to 3.0 mm Ø	white	WML 3 (13X10)A4	0830687	10
1 sheet = 168 labels, up to 3.0 mm Ø	yellow	WML 3 (13X10)A4 YE	0830688	10
1 sheet = 77 labels, up to 5.0 mm Ø	white	WML 5 (25X10)A4	0830689	10
1 sheet = 77 labels, up to 5.0 mm Ø	yellow	WML 5 (25X10)A4 YE	0830690	10
1 sheet = 56 labels, up to 7.5 mm Ø	white	WML 7,5 (25X13)A4	0830691	10
1 sheet = 56 labels, up to 7.5 mm Ø	yellow	WML 7,5 (25X13)A4 YE	0830692	10
1 sheet = 28 labels, up to 14 mm Ø	white	WML 14 (25X19)A4	0830693	10
1 sheet = 28 labels, up to 14 mm Ø	yellow	WML 14 (25X19)A4 YE	0830694	10
1 sheet = 10 labels, up to 22 mm Ø	white	WML 22 (35X25)A4	0830695	10
1 sheet = 10 labels, up to 22 mm Ø	yellow	WML 22 (35X25)A4 YE	0830696	10
1 sheet = 14 labels, up to 36 mm Ø	white	WML 36 (25X38)A4	0830697	10
1 sheet = 14 labels, up to 36 mm Ø	yellow	WML 36 (25X38)A4 YE	0830698	10



Self-adhesive conductor marking with transparent protective foil



- The cable marker labels consist of a marking field and a transparent protective foil
- The protective foil is wound over the marking and provides permanent protection against dirt and abrasion
- The cable marker labels do not increase the cross section of the cable, allowing the cable to be subsequently drawn through cable ducts, for example
- Quick and easy handling
- Resistant to solvents

Radio-frequency identification, RFID

- The WML-RFID/HF conductor markers are also equipped with an integrated high-frequency transponder and are used for contact-free identification, data exchange, and localization using an RFID handheld device

Notes:
Due to the wide variety of cable and conductor types, the transponder function must always be checked by the end customer.
WML-RFID/HF conductor markers cannot be marked by the THERMOMARK S1.1 and THERMOMARK X1.1.

Can be marked using:



Thermal transfer for rolls

PRINTED
FOR YOU



Marker for conductor diameters of up to 46 mm

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
PVC
-50 ... 110
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker labels				
5000 labels, up to 3 mm Ø	white	WML 3 (13X10)R	0800073	1
3000 labels, up to 5 mm Ø	white	WML 5 (25X10)R	0817523	1
3000 labels, up to 5 mm Ø	yellow	WML 5 (25X10)R YE	0830673	1
7000 labels, up to 6 mm Ø	white	WML 6 (13X13)R	0816252	1
7000 labels, up to 6 mm Ø	yellow	WML 6 (13X13)R YE	0830674	1
4000 labels, up to 7.5 mm Ø	white	WML 7,5 (13X13)R	0800074	1
1500 labels, up to 7.5 mm Ø	white	WML 7,5 (17X9)R	0828444	1
2100 labels, up to 7.5 mm Ø	white	WML 7,5 (25X13)R	0800075	1
1000 labels, up to 12 mm Ø	white	WML 12 (25X19)R	0800076	1
1500 labels, up to 14 mm Ø	white	WML 14 (25X19)R	0817536	1
1500 labels, up to 14 mm Ø	yellow	WML 14 (25X19)R YE	0817549	1
1000 labels, up to 14 mm Ø	white	WML 14 (38X19)R	0817552	1
1500 labels, up to 14 mm Ø	yellow	WML 14 (38X19)R YE	0830675	1
2500 labels, up to 18 mm Ø	white	WML 18 (12X12)R	0817507	1
500 labels, up to 20 mm Ø	white	WML 20 (31X25)R	0828457	1
900 labels, up to 22 mm Ø	white	WML 22 (25X25)R	0800078	1
500 labels, up to 36 mm Ø	white	WML 36 (25X38)R	0817510	1
250 labels, up to 46 mm Ø	white	WML 46 (25X38)R	0800067	1
Cable marker labels, on large roll				
10,000 labels, up to 5 mm Ø	white	WML 5 (25X10)RL	0830676	1
15,000 labels, up to 6 mm Ø	white	WML 6 (13X13)RL	0830677	1
5000 labels, up to 14 mm Ø	white	WML 14 (25X19)RL	0830678	1
3000 labels, up to 14 mm Ø	white	WML 14 (38X19)RL	0830679	1
Cable marker labels, with integrated HF transponder				
900 labels, min. 6 mm to 14 mm Ø	white	WML-RFID/HF 14 (25X19)R	0803386	1



Conductor and cable marking

Self-adhesive conductor marking with transparent protective foil, halogen-free

Can be marked using:



Thermal transfer for rolls



Marker for conductor diameter up to 36 mm

- The halogen-free cable marker labels consist of a marking field and a transparent protective foil
- The protective foil is wound over the marking and provides permanent protection against dirt and abrasion
- The cable marker labels do not increase the cross section of the cable, allowing the cable to be subsequently drawn through cable ducts, for example
- High-quality marking image created by thermal transfer printing
- Quick and easy handling
- Resistant to solvents

General data	
Can be marked using	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data	
THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1	
Polyethylene	
-40 ... 100	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Description	Color
Cable marker labels, halogen-free	
5000 labels, up to 3 mm Ø	white
5000 labels, up to 3 mm Ø	yellow
3000 labels, up to 5 mm Ø	white
3000 labels, up to 5 mm Ø	yellow
2100 labels, up to 7.5 mm Ø	white
2100 labels, up to 7.5 mm Ø	yellow
1500 labels, up to 14 mm Ø	white
1500 labels, up to 14 mm Ø	yellow
900 labels, up to 22 mm Ø	white
900 labels, up to 22 mm Ø	yellow
500 labels, up to 36 mm Ø	white
500 labels, up to 36 mm Ø	yellow

Ordering data		
Type	Order No.	Pcs. / Pkt.
WML HF 3(13X10)R	0830812	1
WML HF 3(13X10)R YE	0830813	1
WML HF 5(25X10)R	0830814	1
WML HF 5(25X10)R YE	0830815	1
WML HF 7,5(25X13)R	0830816	1
WML HF 7,5(25X13)R YE	0830817	1
WML HF 14(25X19)R	0830818	1
WML HF 14(25X19)R YE	0830819	1
WML HF 22(25X25)R	0830820	1
WML HF 22(25X25)R YE	0830821	1
WML HF 36(25X38)R	0830822	1
WML HF 36(25X38)R YE	0830823	1



Self-adhesive conductor marking as a flag, vertical



The WML-FLAGV... conductor marking flags support large-surface marking of conductors with a diameter of up to 6 mm perpendicular to the conductor direction. They are characterized by:

- Can be printed on both sides
- High-quality marking image created by thermal transfer printing
- Quick and easy handling
- Resistant to solvents

General data	
Can be marked using	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Description	Color
Cable marking flags up to 6 mm Ø, lettering field size: 20 x 10 mm, 2500 labels per roll	white
up to 6 mm Ø, lettering field size: 30 x 10 mm, 2500 labels per roll	white

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Marker for conductor diameter up to 6 mm

Technical data		
THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1		
Polyolefine		
-40 ... 60		
DIN EN 61010-1 (VDE 0411-1)		
Free from halogen and cadmium		
Ordering data		
Type	Order No.	Pcs. / Pkt.
WML-FLAG 6 (20X10)R	0830711	1
WML-FLAG 6 (30X10)R	0830712	1

Self-adhesive conductor marking as a flag, horizontal



The WML-FLAG... conductor marking flags support large-surface marking of conductors with a diameter of up to 6 mm parallel to the conductor direction. They are characterized by:

- Can be printed on both sides
- High-quality marking image created by thermal transfer printing
- Quick and easy handling
- Resistant to solvents

General data	
Can be marked using	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Description	Color
Cable marking flags up to 6 mm Ø, lettering field size: 20 x 10 mm, 2500 labels per roll	white
up to 6 mm Ø, lettering field size: 30 x 10 mm, 2500 labels per roll	white

PRINTED
FOR YOU



Marker for conductor diameter up to 6 mm

Technical data		
THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1		
Polyolefine		
-40 ... 60		
DIN EN 61010-1 (VDE 0411-1)		
Free from halogen and cadmium		
Ordering data		
Type	Order No.	Pcs. / Pkt.
WML-FLAGV 6 (20X10)R	0830713	1
WML-FLAGV 6 (30X10)R	0830714	1

Marking and labeling - MARKING system

Conductor and cable marking

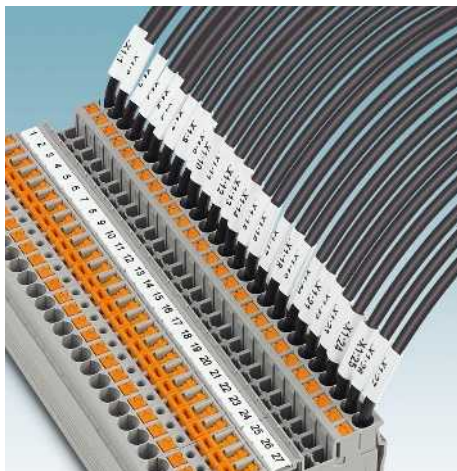
Pre-assembled shrink sleeves, halogen-free



- WMS-2 HF... shrink sleeves provide permanent and captive conductor and cable marking
- The material is offered pre-assembled in a handy conductor format
- Up to four separate markers are secured per row on a carrier material and can each be removed separately
- The conductor is fed through the sleeve and can be fixed by shrinking the sleeve, if desired
- The shrink sleeves also provide electrical insulation and mechanical protection
- The shrink rate is 2:1
- The shrink sleeves can be printed on one side
- The standards DIN EN 45545-2 and NFPA 130:2007 are met

Notes:

The 110-WMTB HF ink ribbon is required for marking WMS-2 HF shrink sleeves, see Printer, Page 36.



Can be marked using:



Thermal transfer for rolls



Conductor diameter from 1.2 to 38 mm,
white and yellow

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

Shrink rate

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 •
THERMOMARK X1.1 • THERMOMARK X1.2

Polyolefine

-30 ... 105

DIN EN 61010-1 (VDE 0411-1)

Halogen-free

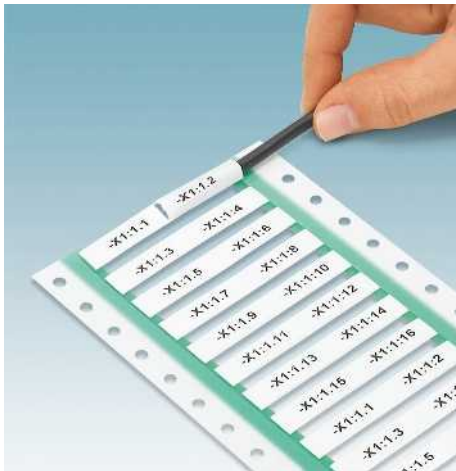
2:1

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Shrink sleeve, for conductor diameter of 1.2 - 2.4 mm				
1 roll = 4000 markers, each 15 mm long	white	WMS-2 HF 2,4 (15X4)RL	0801000	1
	yellow	WMS-2 HF 2,4 (15X4)RL YE	0801004	1
1 roll = 2000 markers, each 30 mm long	white	WMS-2 HF 2,4 (30X4)RL	0801006	1
	yellow	WMS-2 HF 2,4 (30X4)RL YE	0801007	1
1 roll = 1000 markers, each 60 mm long	white	WMS-2 HF 2,4 (60X4)RL	0801008	1
	yellow	WMS-2 HF 2,4 (60X4)RL YE	0801009	1
Shrink sleeve, for conductor diameter of 1.5 - 3.2 mm				
1 roll = 4000 markers, each 15 mm long	white	WMS-2 HF 3,2 (15X5)RL	0801001	1
	yellow	WMS-2 HF 3,2 (15X5)RL YE	0801010	1
1 roll = 2000 markers, each 30 mm long	white	WMS-2 HF 3,2 (30X5)RL	0801011	1
	yellow	WMS-2 HF 3,2 (30X5)RL YE	0801012	1
1 roll = 1000 markers, each 60 mm long	white	WMS-2 HF 3,2 (60X5)RL	0801002	1
	yellow	WMS-2 HF 3,2 (60X5)RL YE	0801013	1
Shrink sleeve, for conductor diameter of 2.4 - 4.8 mm				
1 roll = 4000 markers, each 15 mm long	white	WMS-2 HF 4,8 (15X9)RL	0801014	1
	yellow	WMS-2 HF 4,8 (15X9)RL YE	0801015	1
1 roll = 2000 markers, each 30 mm long	white	WMS-2 HF 4,8 (30X9)RL	0801016	1
	yellow	WMS-2 HF 4,8 (30X9)RL YE	0801017	1
1 roll = 1000 markers, each 60 mm long	white	WMS-2 HF 4,8 (60X9)RL	0801019	1
	yellow	WMS-2 HF 4,8 (60X9)RL YE	0801020	1
Shrink sleeve, for conductor diameter of 3.2 - 6.4 mm				
1 roll = 2000 markers, each 30 mm long	white	WMS-2 HF 6,4 (30X10)RL	0801022	1
	yellow	WMS-2 HF 6,4 (30X10)RL YE	0801023	1
1 roll = 1000 markers, each 60 mm long	white	WMS-2 HF 6,4 (60X10)RL	0801024	1
	yellow	WMS-2 HF 6,4 (60X10)RL YE	0801025	1
Shrink sleeve, for conductor diameter of 4.8 - 9.5 mm				
1 roll = 4000 markers, each 15 mm long	white	WMS-2 HF 9,5 (15X16)RL	0801003	1
1 roll = 2000 markers, each 30 mm long	white	WMS-2 HF 9,5 (30X16)RL	0801026	1
	yellow	WMS-2 HF 9,5 (30X16)RL YE	0801027	1
1 roll = 1000 markers, each 60 mm long	white	WMS-2 HF 9,5 (60X16)RL	0801028	1
	yellow	WMS-2 HF 9,5 (60X16)RL YE	0801029	1
Shrink sleeve, for conductor diameter of 6.4 - 12.7 mm				
1 roll = 1000 markers, each 60 mm long	white	WMS-2 HF 12,7 (60X20)RL	0833200	1
	yellow	WMS-2 HF 12,7 (60X20)RL YE	0833201	1
Shrink sleeve, for conductor diameter of 9.5 - 19.1 mm				
1 roll = 1000 markers, each 60 mm long	white	WMS-2 HF 19,1 (60X30)RL	0833202	1
	yellow	WMS-2 HF 19,1 (60X30)RL YE	0833203	1
For conductor diameter of 12.7 - 25.4 mm				
1 roll = 1000 markers, each 60 mm long	white	WMS-2 HF 25,4 (60X40)RL	0833204	1
	yellow	WMS-2 HF 25,4 (60X40)RL YE	0833205	1
For conductor diameter of 19.1 - 38.1 mm				
1 roll = 1000 markers, each 60 mm long	white	WMS-2 HF 38,1 (60X60)RL	0833206	1
	yellow	WMS-2 HF 38,1 (60X60)RL YE	0833207	1

Pre-assembled shrink sleeves

Can be marked using:



Thermal transfer for rolls



Conductor cross sections from 0.8 to 6.4 mm

- The shrink tubes WMS ... permanently identify conductors and cables
 - The tubes are pre-assembled for optimum use of material
 - Up to four markers per tube are separated by perforation
 - The conductor to be marked is easily threaded through the tube and fixed by shrinking the tube
 - The tubes remain flexible after shrinking
 - The shrink tubes offer the conductors additional electrical insulation and mechanical protection
- The following standards are satisfied:
- UL 224 (125°C, 600 V, all tubing-1)
 - CSA.C22.2 No. 198.1 (125°C, 600 V, all tubing-1)
 - MIL-STD-202G, SAE AMS-DTL-23053, SAE AS-81531

Notes:

The special THERMOMARK-RIBBON ... WMSU is required for marking shrink sleeves WMS ..., see Printer, Page 36.

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

Shrink rate

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.2

Polyolefine

-55 ... 135

DIN EN 61010-1 (VDE 0411-1)

Halogen-free

3:1

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Shrink sleeve, for conductor diameters 0.8 - 2.4 mm				
1 roll = 1000 marker, each 15 mm long	white	WMS 2,4 (15X4)R	0800379	1
	yellow	WMS 2,4 (15X4)R YE	0800412	1
1 roll = 500 marker, each 30 mm long	white	WMS 2,4 (30X4)R	0800373	1
	yellow	WMS 2,4 (30X4)R YE	0800407	1
1 roll = 250 marker, each 60 mm long	white	WMS 2,4 (60X4)R	0800363	1
	yellow	WMS 2,4 (60X4)R YE	0800398	1
Shrink sleeve, for conductor diameters 1.0 - 3.2 mm				
1 roll = 1000 marker, each 15 mm long	white	WMS 3,2 (15X5)R	0800380	1
	yellow	WMS 3,2 (15X5)R YE	0800413	1
1 roll = 500 marker, each 30 mm long	white	WMS 3,2 (30X5)R	0800374	1
	yellow	WMS 3,2 (30X5)R YE	0800408	1
1 roll = 250 marker, each 60 mm long	white	WMS 3,2 (60X5)R	0800364	1
	yellow	WMS 3,2 (60X5)R YE	0800399	1
Shrink sleeve, for conductor diameters 1.6 - 4.8 mm				
1 roll = 1000 marker, each 15 mm long	white	WMS 4,8 (15X9)R	0800382	1
	yellow	WMS 4,8 (15X9)R YE	0800414	1
1 roll = 500 marker, each 30 mm long	white	WMS 4,8 (30X9)R	0800375	1
	yellow	WMS 4,8 (30X9)R YE	0800409	1
1 roll = 250 marker, each 60 mm long	white	WMS 4,8 (60X9)R	0800366	1
	yellow	WMS 4,8 (60X9)R YE	0800400	1
Shrink sleeve, for conductor diameters 2.1 - 6.4 mm				
1 roll = 1000 marker, each 15 mm long	white	WMS 6,4 (15X10)R	0801593	1
	white	WMS 6,4 (30X10)R	0800376	1
	yellow	WMS 6,4 (30X10)R YE	0800410	1
1 roll = 250 marker, each 60 mm long	white	WMS 6,4 (60X10)R	0800367	1
	yellow	WMS 6,4 (60X10)R YE	0800401	1

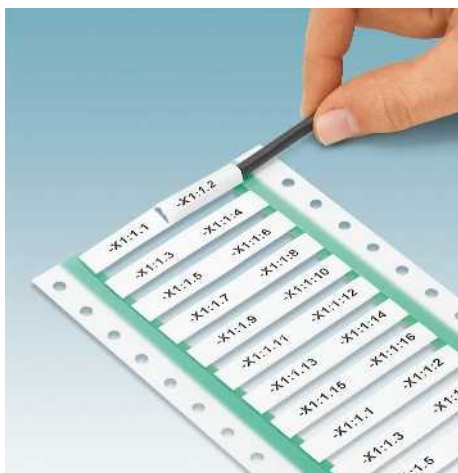


Marking and labeling - MARKING system

Conductor and cable marking

Pre-assembled shrink sleeves

Can be marked using:



Thermal transfer for rolls



Conductor diameter from 3.2 to 38 mm, white and yellow

- The shrink tubes WMS ... permanently identify conductors and cables
- The tubes are pre-assembled for optimum use of material
- Up to four markers per tube are separated by perforation
- The conductor to be marked is easily threaded through the tube and fixed by shrinking the tube
- The tubes remain flexible after shrinking
- The shrink tubes offer the conductors additional electrical insulation and mechanical protection

The following standards are satisfied:

- UL 224 (125°C, 600 V, all tubing-1)
- CSA.C22.2 No. 198.1 (125°C, 600 V, all tubing-1)
- MIL-STD-202G, SAE AMS-DTL-23053, SAE AS-81531

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

Shrink rate

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.2

Polyolefine

-55 ... 135

DIN EN 61010-1 (VDE 0411-1)

Halogen-free

3:1

Ordering data

Description	Color
Shrink sleeve, for conductor diameters 3.2 - 9.5 mm	
1 roll = 500 marker, each 30 mm long	white
	yellow
1 roll = 250 marker, each 60 mm long	white
	yellow
Shrink sleeve, for conductor diameters 4.2 - 12.7 mm	
1 roll = 250 marker, each 60 mm long	white
	yellow
Shrink sleeve, for conductor diameters 6.4 - 19.1 mm	
1 roll = 250 marker, each 60 mm long	white
	yellow
Shrink sleeve, for conductor diameters 8.5 - 25.4 mm	
1 roll = 250 marker, each 60 mm long	white
	yellow
Shrink sleeve, for conductor diameters 12.7 - 38.1 mm	
1 roll = 250 marker, each 60 mm long	white
	yellow

Type	Order No.	Pcs. / Pkt.
WMS 9,5 (30X16)R	0800377	1
	WMS 9,5 (30X16)R YE	1
	0800368	1
	WMS 9,5 (60X16)R	1
WMS 9,5 (60X16)R YE	0800402	1
WMS 12,7 (60X20)R	0800369	1
	WMS 12,7 (60X20)R YE	1
WMS 19,1 (60X30)R	0800370	1
	WMS 19,1 (60X30)R YE	1
WMS 25,4 (60X40)R	0800371	1
	WMS 25,4 (60X40)R YE	1
WMS 38,1 (60X60)R	0800372	1
	WMS 38,1 (60X60)R YE	1



Pre-assembled shrink sleeves

Notes:

The special THERMOMARK-RIBBON ... WMSU is required for marking shrink sleeves WMS ..., see Printer, Page 36

The external THERMOMARK ROLL-ERH media hub is required for RL rolls, see Printer, Page 36
The external THERMOMARK-ERH 500 media hub is required for RXL rolls, see Printer, Page 36.

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FOR YOU



Conductor diameter from 0.8 to 4.8 mm,
white and yellow, on large roll

PRINTED
FOR YOU



Conductor diameter from 0.8 to 4.8 mm,
white and yellow, on extra large roll

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

Shrink rate

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 •
THERMOMARK X1.2

Polyolefine

-55 ... 135

DIN EN 61010-1 (VDE 0411-1)

Halogen-free

3:1

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 •
THERMOMARK X1.2

Polyolefine

-55 ... 135

DIN EN 61010-1 (VDE 0411-1)

Halogen-free

3:1

Ordering data

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

Shrink sleeve, for conductor diameters 0.8 - 2.4 mm

1 roll = 4000 marker, each 15 mm long
1 roll = 10000 marker, each 15 mm long

white
white

1 roll = 2000 marker, each 30 mm long
1 roll = 5000 marker, each 30 mm long
1 roll = 1000 marker, each 60 mm long
1 roll = 2500 marker, each 60 mm long

white
white
white
white

Shrink sleeve, for conductor diameters 1.0 - 3.2 mm

1 roll = 4000 marker, each 15 mm long
1 roll = 2000 marker, each 30 mm long
1 roll = 1000 marker, each 60 mm long
1 roll = 2500 marker, each 60 mm long

white
white
white
yellow

Shrink sleeve, for conductor diameters 1.6 - 4.8 mm

1 roll = 4000 marker, each 15 mm long
1 roll = 10000 marker, each 15 mm long

white
white

1 roll = 2000 marker, each 30 mm long
1 roll = 5000 marker, each 30 mm long

white
white

1 roll = 1000 marker, each 60 mm long
1 roll = 2500 marker, each 60 mm long

yellow
white
white
yellow

Shrink sleeve, for conductor diameters 2.1 - 6.4 mm

1 roll = 4000 marker, each 15 mm long
1 roll = 2500 marker, each 15 mm long
1 roll = 2500 marker, each 60 mm long

white
white
yellow

Shrink sleeve, for conductor diameters 3.2 - 9.5 mm

1 roll = 1000 marker, each 60 mm long

white
yellow

Shrink sleeve, for conductor diameters 4.2 - 12.7 mm

1 roll = 1000 marker, each 60 mm long

yellow

Shrink sleeve, for conductor diameters 6.4 - 19.1 mm

1 roll = 1000 marker, each 60 mm long

yellow

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

WMS 2,4 (15X4)RL

0800389

1

WMS 2,4 (30X4)RL

0800386

1

WMS 2,4 (60X4)RL

0800383

1

WMS 3,2 (15X5)RL

0800390

1

WMS 3,2 (30X5)RL

0800387

1

WMS 3,2 (60X5)RL

0800384

1

WMS 4,8 (15X9)RL

0800391

1

WMS 4,8 (30X9)RL

0800388

1

WMS 4,8 (60X9)RL

0800385

1

WMS 6,4 (15X10)RL

0801594

1

WMS 9,5 (60X16)RL

0803105

1

WMS 9,5 (60X16)RL YE

0803106

1

WMS 12,7 (60X20)RL YE

0803107

1

WMS 19,1 (60X30)RL YE

0803108

1

Ordering data

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

WMS 2,4 (15X4)RXL

0800396

1

WMS 2,4 (30X4)RXL

0800394

1

WMS 2,4 (60X4)RXL

0800392

1

WMS 3,2 (60X5)RXL YE

0803102

1

WMS 4,8 (15X9)RXL

0800397

1

WMS 4,8 (30X9)RXL

0800395

1

WMS 4,8 (30X9)RXL YE

0803313

1

WMS 4,8 (60X9)RXL

0800393

1

WMS 4,8 (60X9)RXL YE

0803103

1

WMS 6,4 (15X10)RXL

0801595

1

WMS 6,4 (60X10)RXL YE

0803104

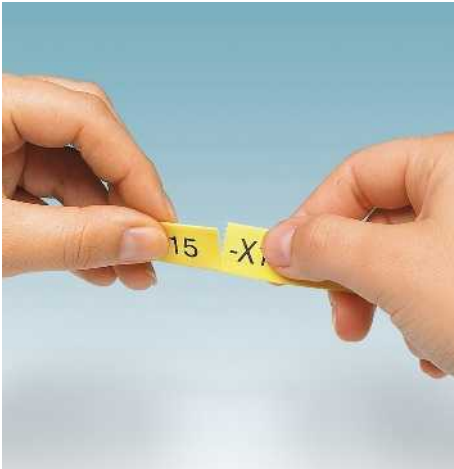
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Marking and labeling - MARKING system

Conductor and cable marking

Continuous shrink sleeve

Can be marked using:



Thermal transfer for rolls



Conductor diameter from 0.8 to 50.8 mm,
white

- The shrink tubes are automatically perforated or cut to the length required in the printing process
 - Are available in the form of continuous on-roll goods and can be printed on both sides using the THERMOMARK W2 printer
 - Individual markers can be cut to any length up to 1 m
- The following standards are satisfied:
- UL 224 (125°C, 600 V, all tubing-1)
 - CSA.C22.2 No. 198.1 (125°C, 600 V, all tubing-1)
 - MIL-STD-202G, SAE AMS-DTL-23053, SAE AS-81531

Notes:

The special THERMOMARK-RIBBON ... WMSU is required for marking shrink sleeves WMS ..., see Printer, Page 36

How to use the external media hubs:

THERMOMARK ROLL:
Use the external THERMOMARK ROLL-ERH media hub for R rolls and the external THERMOMARK-ERH 500 for large rolls, see Printer, Page 36.

THERMOMARK ROLL X1 and THERMOMARK W2:
R rolls can be inserted directly in the device, use the THERMOMARK-ERH 500 for large rolls, see Printer, Page 36.

General data

Can be marked using

Material
Temperature range
Wipe resistance
Components
Shrink rate

[°C]

Description

Shrink sleeve

1 roll = 30 m, Conductor diameter: 0.8 - 2.4 mm

1 roll = 30 m, Conductor diameter: 1.0 - 3.2 mm

1 roll = 30 m, Conductor diameter: 1.6 - 4.8 mm

1 roll = 25 m, Conductor diameter: 2.1 - 6.4 mm

1 roll = 20 m, Conductor diameter: 3.2 - 9.5 mm

1 roll = 20 m, Conductor diameter: 4.2 - 12.7 mm

1 roll = 20 m, Conductor diameter: 6.4 - 19.1 mm

1 roll = 15 m, Conductor diameter: 8.5 - 25.4 mm

1 roll = 15 m, Conductor diameter: 12.7 - 38.1 mm

1 roll = 15 m, Conductor diameter: 16.9 - 50.8 mm

Shrink sleeve, large roll

1 roll = 120 m, Conductor diameter: 0.8 - 2.4 mm

1 roll = 120 m, Conductor diameter: 1.0 - 3.2 mm

1 roll = 120 m, Conductor diameter: 1.6 - 4.8 mm

1 roll = 100 m, Conductor diameter: 2.1 - 6.4 mm

1 roll = 80 m, Conductor diameter: 3.2 - 9.5 mm

1 roll = 80 m, Conductor diameter: 4.2 - 12.7 mm

1 roll = 80 m, Conductor diameter: 6.4 - 19.1 mm

1 roll = 60 m, Conductor diameter: 8.5 - 25.4 mm

Technical data

THERMOMARK W1 • THERMOMARK W2 • THERMOMARK ROLL • THERMOMARK X1.2 • THERMOMARK ROLL X1

Polyolefine

-55 ... 135

DIN EN 61010-1 (VDE 0411-1)

Halogen-free

3:1

Ordering data

Type	Order No.	Pcs. / Pkt.
WMS 2,4 (EX4)R	0800289	1
WMS 3,2 (EX5)R	0800290	1
WMS 4,8 (EX9)R	0800291	1
WMS 6,4 (EX10)R	0800292	1
WMS 9,5 (EX16)R	0800293	1
WMS 12,7 (EX20)R	0800294	1
WMS 19,1 (EX30)R	0800295	1
WMS 25,4 (EX40)R	0800296	1
WMS 38,1 (EX60)R	0800298	1
WMS 50,8 (EX80)R	0800299	1
WMS 2,4 (EX4)RL	0800319	1
WMS 3,2 (EX5)RL	0800320	1
WMS 4,8 (EX9)RL	0800321	1
WMS 6,4 (EX10)RL	0800322	1
WMS 9,5 (EX16)RL	0800324	1
WMS 12,7 (EX20)RL	0800325	1
WMS 19,1 (EX30)RL	0800326	1
WMS 25,4 (EX40)RL	0800327	1



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Conductor diameter from 0.8 to 50.8 mm,
yellow

PRINTED
FOR YOU



Conductor diameter from 0.8 to 50.8 mm,
black

Technical data

THERMOMARK W1 • THERMOMARK W2 • THERMOMARK
ROLL • THERMOMARK X1.2 • THERMOMARK ROLL X1
Polyolefine
-55 ... 135
DIN EN 61010-1 (VDE 0411-1)
Halogen-free
3:1

Ordering data

Type	Order No.	Pcs. / Pkt.
WMS 2,4 (EX4)R YE	0800300	1
WMS 3,2 (EX5)R YE	0800301	1
WMS 4,8 (EX9)R YE	0800302	1
WMS 6,4 (EX10)R YE	0800303	1
WMS 9,5 (EX16)R YE	0800304	1
WMS 12,7 (EX20)R YE	0800305	1
WMS 19,1 (EX30)R YE	0800306	1
WMS 25,4 (EX40)R YE	0800308	1
WMS 38,1 (EX60)R YE	0800309	1
WMS 50,8 (EX80)R YE	0800311	1
WMS 2,4 (EX4)RL YE	0800328	1
WMS 3,2 (EX5)RL YE	0800329	1
WMS 4,8 (EX9)RL YE	0800330	1
WMS 6,4 (EX10)RL YE	0800331	1
WMS 9,5 (EX16)RL YE	0800332	1
WMS 12,7 (EX20)RL YE	0800333	1
WMS 19,1 (EX30)RL YE	0800334	1
WMS 25,4 (EX40)RL YE	0800335	1

Technical data

THERMOMARK W1 • THERMOMARK W2 • THERMOMARK
ROLL • THERMOMARK X1.2 • THERMOMARK ROLL X1
Polyolefine
-55 ... 135
DIN EN 61010-1 (VDE 0411-1)
Halogen-free
3:1

Ordering data

Type	Order No.	Pcs. / Pkt.
WMS 2,4 (EX4)R BK	0800415	1
WMS 3,2 (EX5)R BK	0800416	1
WMS 4,8 (EX9)R BK	0800418	1
WMS 6,4 (EX10)R BK	0800419	1
WMS 9,5 (EX16)R BK	0800421	1
WMS 12,7 (EX20)R BK	0800422	1
WMS 19,1 (EX30)R BK	0800423	1
WMS 25,4 (EX40)R BK	0800424	1
WMS 38,1 (EX60)R BK	0800425	1
WMS 50,8 (EX80)R BK	0800426	1
WMS 2,4 (EX4)RL BK	0800427	1
WMS 3,2 (EX5)RL BK	0800428	1
WMS 4,8 (EX9)RL BK	0800429	1
WMS 6,4 (EX10)RL BK	0800430	1
WMS 9,5 (EX16)RL BK	0800431	1
WMS 12,7 (EX20)RL BK	0800432	1
WMS 19,1 (EX30)RL BK	0800434	1
WMS 25,4 (EX40)RL BK	0800435	1

Marking and labeling - MARKING system

Conductor and cable marking

Insertable conductor marking for marking collars



- EMT ... insert labels for marking various marking collars
- Can be printed onto, with THERMOMARK... for material off the roll
- Thanks to their special contour, EMT ... insert labels remain securely inside the collar once inserted
- The PABL ... sheets are available to allow marking with a laser printer

Notes:
PATG/PATO ... system, see page 214.
KMK ..., see page 202.
LM ..., see page 203.

Can be marked using:



Thermal transfer for rolls



Insert labels for marker carriers

General data
Can be marked using
Material
Temperature range
Wipe resistance
Components

[°C]

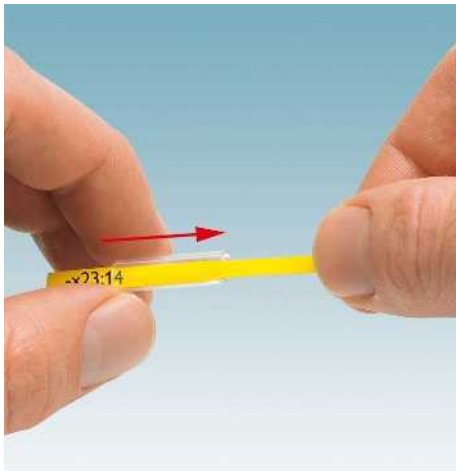
Technical data
THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Polyester
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Description	Color
Insert strips , lettering field size: 10 x 4 mm, 7500 labels per roll	
Lettering field size: 15 x 4 mm, 7500 labels per roll	white
	white
	red
	yellow
	blue
Lettering field size: 23 x 4 mm, 5000 labels per roll	white
	white
Lettering field size: 24 x 4 mm, 5000 labels p. roll	yellow
	white
Lettering field size: 25 x 6 mm, 5000 labels per roll	white
Lettering field size: 29 x 8 mm, 5400 labels per roll	white
	yellow
Lettering field size: 40 x 17 mm, 2300 labels per roll	white
Lettering field size: 60 x 15 mm, 2500 labels per roll	white
Insert strips , for PATG/PATO, perforated, DIN A4 sheet, lettering field size: 15 x 4 mm, 1 sheet = 360 labels, for office laser printers	
	white

Ordering data		
Type	Order No.	Pcs. / Pkt.
EMT (10X4)R	0816235	1
EMT (15X4)R	0817329	1
EMT (15X4)R RD	0816249	1
EMT (15X4)R YE	0817358	1
EMT (15X4)R BU	0817332	1
EMT (23X4)R	0817361	1
EMT (23X4)R YE	0817374	1
EMT (24X4)R	0816265	1
EMT (25X6)R	0817264	1
EMT (29X8)R	0817277	1
EMT (29X8)R YE	0817280	1
EMT (40X17)R	0817293	1
EMT (60X15)R	0801846	1
PABL 15X4	0808260	10



Insertable conductor marking with threading and insertion aid for marking collars



- The WMTW... insert labels are used to label marking collars from the PATG/PATO ... system; see page 214
- Easy assembly, thanks to a threading and insertion aid, which can be easily separated by means of a perforation after inserting the marker
- Thanks to their special shape, the WMTW ... insert labels remain securely inside the marking collar
- Can be printed onto, with THERMOMARK... for material off the roll
- Marking service: Phoenix Contact can custom-mark all conductor markers in accordance with your requirements

Can be marked using:



Thermal transfer for rolls

PRINTED
FOR YOU



For PATG ... and PATO... marker carriers

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

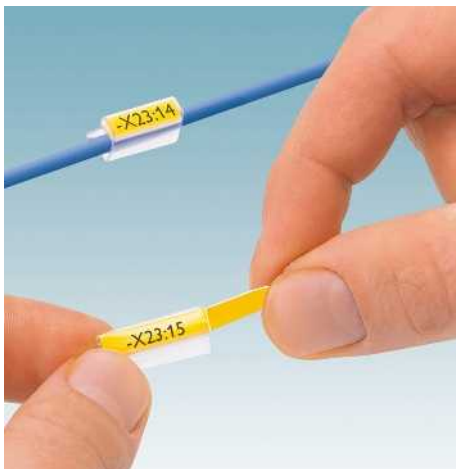
[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Polyolefine
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Halogen-free

Ordering data

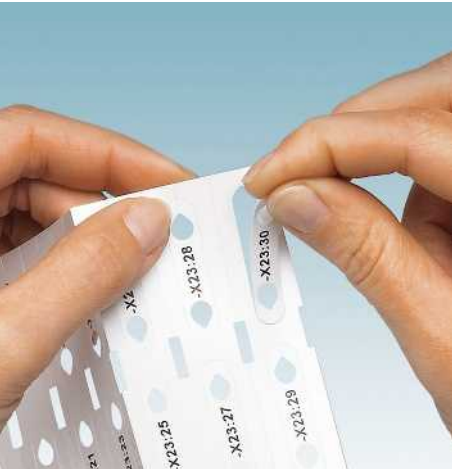
Description	Color	Type	Order No.	Pcs. / Pkt.
Insertable conductor marking				
Lettering field size: 10 x 4 mm, 3000 labels per roll	white	WMTW (10X4)R	0831000	1
Lettering field size: 10 x 4 mm, 3000 labels per roll	yellow	WMTW (10X4)R YE	0831001	1
Lettering field size: 15 x 4 mm, 3000 labels per roll	white	WMTW (15X4)R	0831002	1
Lettering field size: 15 x 4 mm, 3000 labels per roll	yellow	WMTW (15X4)R YE	0831003	1
Lettering field size: 23 x 4 mm, 3000 labels per roll	white	WMTW (23X4)R	0831004	1
Lettering field size: 23 x 4 mm, 3000 labels per roll	yellow	WMTW (23X4)R YE	0831005	1



Conductor and cable marking

Slide-on conductor marking

Can be marked using:



- The conductor to be marked is pushed through two punched holes in the marker and positioned
- The special hole geometry ensures a strong axial hold
- Made from high-quality polyester foil
- Available for different conductor diameters
- Custom marking and easy handling
- High-quality marking image created by thermal transfer printing
- Special packaging protects the conductor markers against external influences, dust, and dirt
- Marking service: Phoenix Contact can custom-mark all conductor markers in accordance with your requirements



Thermal transfer for rolls



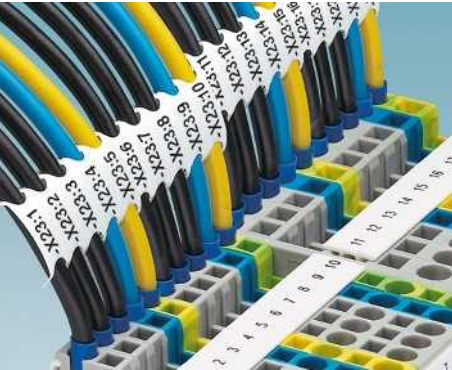
Marker for conductor diameters of 1.0 to 8.4 mm

General data	
Can be marked using	
Number of individual labels	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data	
THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1	
4000	
Polyester	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Description	Color
Slide-on conductor markers, 1 roll = 4000 conductor markers	
Lettering field size: 15 x 4 mm, conductor diameter: 1.0 - 2.4 mm	white
Lettering field size: 15 x 5 mm, conductor diameter: 2.0 - 3.5 mm	white
Lettering field size: 15 x 6 mm, conductor diameter: 3.0 - 4.2 mm	white
Lettering field size: 15 x 8 mm, conductor diameter: 4.0 - 5.5 mm	white
Lettering field size: 17 x 10 mm, conductor diameter: 5.0 - 8.4 mm	white

Ordering data		
Type	Order No.	Pcs. / Pkt.
WMT 2,4 (15X4)R	0816281	1
WMT 3,5 (15X5)R	0817222	1
WMT 4,2 (15X6)R	0817235	1
WMT 5,5 (15X8)R	0817248	1
WMT 8,4 (17X10)R	0817251	1



Conductor marking for cable binder assembly



- Conductor marking for identifying and bundling conductors in indoor areas
- Made from high-quality polyester foil
- The marker has two fastening eyes so that it can be attached to the conductor by means of PKB ... cable binders
- Marking service: Phoenix Contact can custom-mark all conductor markers in accordance with your requirements

Notes:

For corresponding cable binders, see from page 588.

Can be marked using:



Thermal transfer for rolls

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FOR YOU



Marker for conductor diameters of 6 mm and above

General data

Can be marked using

Material

Temperature range

[°C]

Wipe resistance

Components

Description

Color

Cable markers for assembly with cable binders

Lettering field size: 24 x 8 mm (max. cable binder width: 5 mm), 4000 cable markers per roll

white

Lettering field size: 35 x 15 mm (max. cable binder width: 5 mm), 1700 cable markers per roll

white

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1

Polyester

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
WMTB (24X8)R	0816278	1
WMTB (35X15)R	0817316	1

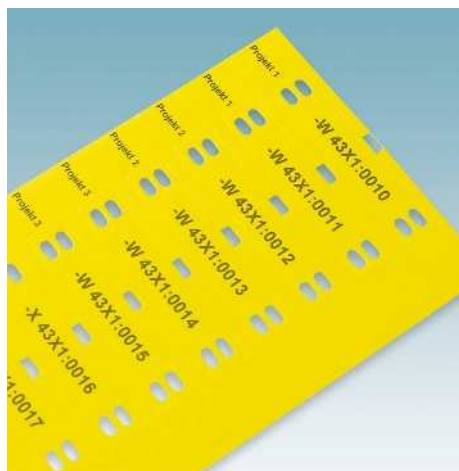


Marking and labeling - MARKING system

Conductor and cable marking

Conductor marking for cable binder assembly

Can be marked using:



Thermal transfer for rolls

PRINTED
FOR YOU



Marker for conductor diameters of 6 mm and above

Halogen-free conductor and cable marking for marking and bundling conductors and cables indoors and outdoors.

- Made from high-quality thermoplastic polyether urethane
- Highly flexible material, adapts to the bending of the conductors or cables
- Additional marking, such as project information, can be printed on the carrier material. This makes it easier to assign the markers during mounting
- Very high tensile strength
- Flame-retardant material
- The marker has two fastening lugs so that it can be attached to the conductor by means of cable binders
- Marking service: Phoenix Contact can custom-mark all conductor markers in accordance with your requirements

Notes:

For corresponding cable binders, see from page 588.

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

[°C]

Wipe resistance

Components

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2

PUR

V0

-25 ... 80

DIN EN 61010-1 (VDE 0411-1)

Halogen-free

Ordering data

Description	Color
Cable markers for assembly with cable binders , maximum cable binder width: 5 mm 1000 markers per roll, lettering field size: 40 x 12 mm	white
	yellow
	red
	blue
1000 markers per roll, lettering field size: 55 x 15 mm	white
	yellow
	red
	blue
500 markers per roll, lettering field size: 55 x 25 mm	white
	yellow
	red
	blue

Type	Order No.	Pcs. / Pkt.
WMTB HF (40X12)R	0830407	1
WMTB HF (40X12)R YE	0830408	1
WMTB HF (40X12)R RD	0803314	1
WMTB HF (40X12)R BU	0802991	1
WMTB HF (55X15)R	0830409	1
WMTB HF (55X15)R YE	0830410	1
WMTB HF (55X15)R RD	0803315	1
WMTB HF (55X15)R BU	0802992	1
WMTB HF (55X25)R	0830411	1
WMTB HF (55X25)R YE	0830412	1
WMTB HF (55X25)R RD	0803316	1
WMTB HF (55X25)R BU	0802993	1

Accessories

Ink ribbon , specifically for cable markers for assembly with cable binders, WMTB HF..., length: 300 m, width: 110 mm	black
Ink ribbon , specifically for cable markers for assembly with cable binders, WMTB HF..., length: 300 m, width: 110 mm	white

THERMOMARK-RIBBON 110-WMTB HF	5148007	1
TM-RIBBON 110-WMTB HF WH	0802990	1



Conductor marker carriers for assembly with cable binders, for labels with laminated protective foil



- The WM-CARRIER /B... conductor marker carriers consist of a marking field for labels and a transparent, self-adhesive laminated protective foil
- The protective foil provides permanent protection against contamination and abrasion
- High-quality marking image created by thermal transfer printing
- Quick and easy handling
- The marker has two fastening lugs so that it can be attached to the conductor by means of cable binders
- Resistant to solvents
- Marking service: Phoenix Contact can custom-mark all cable marker labels in accordance with your requirements

Notes:

For corresponding cable binders, see from page 588.



Marker for conductor diameters from 6 mm

General data

Material	PVC/polyester
Temperature range	-10 ... 60 [°C]
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Halogen-free

Description	Color
Conductor marker carriers , maximum cable binder width: 5 mm	
Lettering field size: 48 x 10 mm	transparent
Lettering field size: 55 x 15 mm	transparent
Lettering field size: 85 x 15 mm	transparent

Labels

2500 labels per roll	white
2500 labels per roll	yellow
2500 labels per roll	white
2500 labels per roll	yellow
2500 labels per roll	white
2500 labels per roll	yellow

Technical data

Material	PVC/polyester
Temperature range	-10 ... 60
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Halogen-free

Ordering data

Type	Order No.	Pcs. / Pkt.
WM-CARRIER/B (48X10)LPR	0830423	100
WM-CARRIER/B (55X15)LPR	0830424	100
WM-CARRIER/B (85X15)LPR	0830425	100

Accessories

EML (40X6)R	0830481	1
EML (40X6)R YE	0830482	1
EML (50X10)R	0830483	1
EML (50X10)R YE	0830484	1
EML (75X10)R	0830485	1
EML (75X10)R YE	0830486	1



Marking and labeling - MARKING system

Conductor and cable marking

Plastic cable marker for insert labels, for assembly with cable binders



- The KMK... versions have eyelets and are attached with cable binders
- Plastic cable markers for marking and bundling multiple conductors and cables indoors
- The printed insert label is protected from dirt by the sealing cap
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements

Notes:

For corresponding cable binders, see from page 588.



Lettering field size 25 x 6 mm,
for cable diameter > 6 mm

General data

Material	
Temperature range	[°C]
Components	

Description	Color
Plastic cable marker for insert labels , with eyelets for fastening with cable binders Lettering field size: 25 x 6 mm	transparent
Plastic cable markers for insert labels , with eyelets for fastening with cable binders Lettering field size: 29 x 8 mm	transparent
Plastic cable markers for insert labels , with eyelets for fastening with cable binders Lettering field size: 40 x 17 mm	transparent
Plastic cable markers for insert labels , with eyelets for fastening with cable binders Lettering field size: 60 x 15 mm	transparent

Insert strips for laser printers, DIN A4, perforated

Lettering field size: 25 x 6 mm, 1 sheet = 252 labels
Lettering field size: 29 x 8 mm, 1 sheet = 174 labels
Lettering field size: 40 x 17 mm, 1 sheet = 56 labels
Lettering field size: 60 x 15 mm, 1 sheet = 51 labels

Insert labels for thermal transfer printer, halogen-free

Lettering field size: 25 x 6 mm, 5000 labels per roll
Lettering field size: 29 x 8 mm, 5400 labels per roll
Lettering field size: 40 x 17 mm, 2300 labels per roll
Lettering field size: 60 x 15 mm, 2500 labels per roll

UniSheet, 0.5 mm thick, inflammability class V0 according to UL 94

84-section, lettering field size: 25 x 6 mm
48-section, lettering field size: 29 x 8 mm
16-section, lettering field size: 40 x 17 mm
9-section, lettering field size: 60 x 15 mm

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
KMK 1	0830745	100

Accessories

ESL (25X6)	0801849	10
EMT (25X6)R	0817264	1
US-EMP (25X6)-1	0802754	10





Lettering field size 29 x 8 mm,
for cable diameter > 6 mm



Lettering field size 40 x 17 mm,
for cable diameter > 9 mm



Lettering field size 60 x 15 mm,
for cable diameter > 9 mm

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

Ordering data		
Type	Order No.	Pcs. / Pkt.
KMK 2	1005266	100

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

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

Ordering data		
Type	Order No.	Pcs. / Pkt.
KMK 4	1005305	50

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

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

Ordering data		
Type	Order No.	Pcs. / Pkt.
KMK 5	0830746	50

Accessories		
ESL (60X15)	0801851	10
EMT (60X15)R	0801846	1
US-EMP (60X15)	0828781	10

Marking and labeling - MARKING system

Conductor and cable marking

Plastic cable marker for insert labels, for assembly with cable binders



- Plastic cable markers for marking and bundling multiple conductors and cables indoors
- The printed insert label is protected from dirt by the sealing cap
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements

Notes:

For corresponding cable binders, see from page 588.



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
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Plastic cable markers for insert labels, with cable binders 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 binders 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

Lettering field size: 29 x 8 mm, 1 sheet = 174 labels

Lettering field size: 40 x 17 mm, 1 sheet = 56 labels

Lettering field size: 24 x 4 mm, 1 sheet = 488 labels

Insert labels for thermal transfer printers

Lettering field size: 29 x 8 mm, 5400 labels per roll

Lettering field size: 40 x 17 mm, 2300 labels per roll

Lettering field size: 24 x 4 mm, 5000 labels p. roll

UniSheet, 0.5 mm thick

48-section, lettering field size: 29 x 8 mm

16-section, lettering field size: 40 x 17 mm

Textile label, lettering field size: 20 x 8 mm

2500 labels per roll

2500 labels per roll

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





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

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

Ordering data		
Type	Order No.	Pcs. / Pkt.

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LM	1004377	100
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Accessories		
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ESL 24X4	0808231	10
EMT (24X4)R	0816265	1

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

Ordering data		
Type	Order No.	Pcs. / Pkt.

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KME	0807083	50
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Accessories		
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EMLC (20X8)R	0815680	1
EML (20X8)R	0816786	1

Marking and labeling - MARKING system

Conductor and cable marking

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



- KMK HP ... plastic cable markers for marking and bundling conductors and cables indoors
- Inflammability class V0 acc. to UL 94
- The KMK HP... cable markers are particularly suitable for use in the railway industry, traffic technology, and building technology thanks to their outstanding material properties
- The KMK... versions have eyelets and are attached with cable binders
- The printed insert label is protected from dirt by the sealing cap
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements



Notes:

For matching cable binders, see page 588 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	PC
Inflammability class according to UL 94	V0
Temperature range	-40 ... 125 [°C]
Components	Halogen-free

Description

Cable marker carrier for cable binder assembly	transparent
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UniCard, insert strip for KMK... cable marker carriers, can be marked with THERMOMARK CARD..., BLUEMARK CLED, and TOPMARK Laser

Lettering field size: 25 x 6 mm, 15-section

Lettering field size: 29 x 8 mm, 15-section

Lettering field size: 60 x 15 mm, 3-section

Lettering field size: 40 x 17 mm, 3-section

UniSheet, 0.5 mm thick, inflammability class V0 according to UL 94

84-section, lettering field size: 25 x 6 mm

48-section, lettering field size: 29 x 8 mm

9-section, lettering field size: 60 x 15 mm

16-section, lettering field size: 40 x 17 mm

Insert labels for thermal transfer printer, halogen-free

Lettering field size: 25 x 6 mm, 5000 labels per roll

Lettering field size: 29 x 8 mm, 5400 labels per roll

Lettering field size: 60 x 15 mm, 2500 labels per roll

Lettering field size: 40 x 17 mm, 2300 labels per roll

Cable binder, inflammability class according to UL 94: V0, halogen-free, temperature range: -40°C ... 85°C, maximum bundle Ø [mm]/minimum tensile strength [N]

35 / 130

50 / 220

79 / 220

Magazine, for THERMOMARK CARD ..., for accommodating UCT-EMP ...

Technical data

PC
V0
-40 ... 125
Halogen-free

Ordering data

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

Accessories

UCT-EMP (25X6)	1014117	10
US-EMP (25X6)-1	0802754	10
EMT (25X6)R	0817264	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	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 V0 -40 ... 125 Halogen-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
KMK HP (29X8)	0830721	100
Accessories		
UCT-EMP (29X8)	1014118	10
US-EMP (29X8)	0829436	10
EMT (29X8)R	0817277	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1

Technical data		
PC V0 -40 ... 125 Halogen-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
KMK HP (60X15)	0830722	50
Accessories		
UCT-EMP (60X15)	1014119	10
US-EMP (60X15)	0828781	10
EMT (60X15)R	0801846	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1

Technical data		
PC V0 -40 ... 125 Halogen-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
KMK HP (40X17)	0830723	50
Accessories		
UCT-EMP (40X17)	1014120	10
US-EMP (40X17)	0829437	10
EMT (40X17)R	0817293	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1

Marking and labeling - MARKING system

Conductor and cable marking

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



- KMK UV ... plastic cable markers for marking and bundling conductors and cables outdoors
- The KMK UV... cable markers are ultra-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 binders
- The printed insert label is protected from dirt by the sealing cap
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements



Notes:

For matching cable binders, see page 588 or the product area on our website at phoenixcontact.net/products.

¹⁾ WT-UV HF...BK cable binders are weatherproof and UV resistant according to 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	PA
Inflammability class according to UL 94	HB
Temperature range	-40 ... 100 [°C]
Components	Halogen-free

Description

Cable marker carrier for cable binder assembly	transparent
---	-------------

UniCard, insert strip for KMK... cable marker carriers, can be marked with THERMOMARK CARD..., BLUEMARK CLED, and TOPMARK Laser

Lettering field size: 25 x 6 mm, 15-section

Lettering field size: 29 x 8 mm, 15-section

Lettering field size: 60 x 15 mm, 3-section

Lettering field size: 40 x 17 mm, 3-section

UniSheet, 0.5 mm thick, inflammability class V0 according to UL 94

84-section, lettering field size: 25 x 6 mm

48-section, lettering field size: 29 x 8 mm

9-section, lettering field size: 60 x 15 mm

16-section, lettering field size: 40 x 17 mm

Insert labels for thermal transfer printer, halogen-free

Lettering field size: 25 x 6 mm, 5000 labels per roll

Lettering field size: 29 x 8 mm, 5400 labels per roll

Lettering field size: 60 x 15 mm, 2500 labels per roll

Lettering field size: 40 x 17 mm, 2300 labels per roll

Cable binder, halogen-free, inflammability class according to UL 94: V2, maximum bundle Ø [mm] / min. tensile strength [N]¹⁾

35 / 130

50 / 220

79 / 220

Magazine, for THERMOMARK CARD ..., for accommodating UCT-EMP ...

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

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

Accessories

UCT-EMP (25X6)	1014117	10
US-EMP (25X6)-1	0802754	10
EMT (25X6)R	0817264	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
THERMOMARK CARD-UCT-MAG26	0802988	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



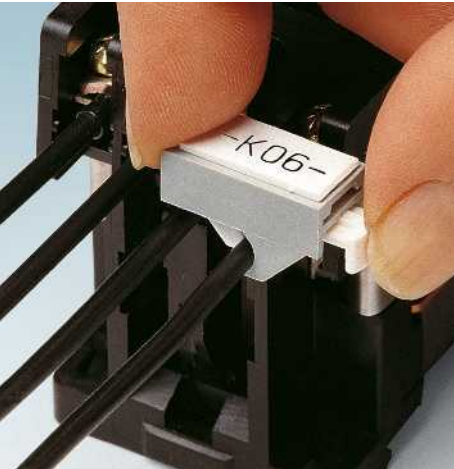
Lettering field size: 40 x 17 mm,
for cable diameter > 9 mm

Technical data		
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
THERMOMARK CARD-UCT-MAG26	0802988	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
THERMOMARK CARD-UCT-MAG26	0802988	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
THERMOMARK CARD-UCT-MAG26	0802988	1

GKM ... conductor marker



- The GKM ... conductor markers support large-surface conductor marking
- Flexible application, thanks to spring-loaded conductor attachment
- Particularly suitable for temporary marking
- Quick and easy to use



Conductor diameter from 0 to 5.2 mm

General data		Technical data		
Material		PA/ABS		
Temperature range	[°C]	-40 ... 80		
Components		Free from silicone and halogen		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor markers, lettering field size: 20 x 8 mm for conductor diameters of 0 - 2.5 mm	gray	GKM 1 GY	1750498	100
For conductor diameters of 4.8 - 11 mm	gray			
		Accessories		
Marker tags, 5-section, unprinted, marking with X-PEN, B-STIFT, plotter or BKMT 20 x 8 label				
Lettering field size: 20 x 8 mm	white	SS-ZB WH SS-ZB YE	5031171	50
Lettering field size: 20 x 8 mm	yellow		5031650	50
UniCard, for marking devices from the following manufacturers: ABB, Conta-Clip, Escha, Festo, ifm-electronik, Harting, Moeller, Phoenix Contact, Siemens				
Lettering field size: 20 x 9 mm	white	UC-EM (20X9)	0825503	10
Lettering field size: 20 x 9 mm	yellow	UC-EM (20X9) YE	0827637	10
Lettering field size: 20 x 9 mm	white	UCT-EM (20X9)	0801471	10
Lettering field size: 20 x 9 mm	yellow	UCT-EM (20X9) YE	0801472	10



Conductor diameter from 4.8 to 11 mm

Technical data

PA/ABS
-40 ... 80
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
GKM 2 GY	1750485	100

Accessories

SS-ZB WH	5031171	50
SS-ZB YE	5031650	50
UC-EM (20X9)	0825503	10
UC-EM (20X9) YE	0827637	10
UCT-EM (20X9)	0801471	10
UCT-EM (20X9) YE	0801472	10

Type key for SD-WMTBS ...



Example 0826514 SD-WMTBS (S) YE

0826514	SD-WMTBS	(S)	YE
Order No.	Product type	Imprint	Color
0826637 0826514 0826611: letter 0826624: symbol 0826527	SD-WMTBS (NEUTRAL) CC SD-WMTBS (S) YE SD-WMTBS (CH) YE SD-WMTBS (SY) YE SD-WMTBS (NU) CC	(NEUTRAL) = unprinted (S) = printed with numbers 0 - 9 (CH) = letters A - Z (SY) = symbols + - / . GND (NU) = printed with numbers 0 - 9	YE = yellow YE = yellow YE = yellow YE = yellow CC = international color code

International color code

A photograph showing a row of ten color-coded plastic markers, numbered 0 to 9. The colors correspond to the international color code: 0 (black), 1 (brown), 2 (red), 3 (orange), 4 (yellow), 5 (green), 6 (blue), 7 (violet), 8 (gray), 9 (white).	Print	Marker color	Font color	
	0	black	white	
	1	brown	white	
	2	red	white	
	3	orange	black	
	4	yellow	black	
	5	green	white	
	6	blue	white	
	7	violet	white	
	8	gray	black	
	9	white	black	

Cable marking for carrier assembly



- Cable markers for marking cables and conductors with larger cross sections
- The printed individual markers are pushed onto the corresponding holders

Notes:

1) For an ordering example, see page 210.

The label holder is attached using cable binders; for corresponding cable binders up to 4.8 mm wide, see page 588 onwards.



Individual marker with carrier for cable diameter > 16 mm

General data

Material	PVC
Inflammability class according to UL 94	V2
Temperature range	-30 ... 60 [°C]
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and cadmium

Technical data

Material	PVC
Inflammability class according to UL 94	V2
Temperature range	-30 ... 60 [°C]
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker¹⁾				
Unprinted	international color code	SD-WMTBS (NEUTRAL) CC	0826637	100
Printed: with numbers 0-9	yellow	SD-WMTBS (S) YE	0826514	100
Printed: with upper case letters A-Z	yellow	SD-WMTBS (CH) YE	0826611	100
Printed: with symbols + - / . GND	yellow	SD-WMTBS (SY) YE	0826624	100
International color code, printed: With numbers between 0-9	international color code	SD-WMTBS (NU) CC	0826527	100
Label holder, for cable binders up to 4.8 mm wide				
For max 7 characters	black	SD-WMTB (70X10)	0826530	100
For max 13 characters	black	SD-WMTB (100X10)	0826543	100

Marking and labeling - MARKING system

Conductor and cable marking

Stainless steel cable marking for carrier assembly



- Cable markers for marking cables and conductors with larger cross sections
- The individual high-grade steel markers are pushed onto the corresponding holders
- They are secured using high-grade steel cable binders
- Easy assembly with UNIFOX-CT M7,9

Notes:

1) For ordering example, see page 210.

For further stainless steel cable binders, see page 594.



Stainless steel marker with carrier for assembly with cable binders

General data

Material

Technical data

Stainless steel

Ordering data

Description	Color
Cable marker¹⁾	
Unprinted	silver
Printed: with numbers 0-9	silver
Printed: with upper case letters A-Z	silver
Printed: with symbols + - / . GND	silver
Label holder	
For max 6 characters	silver
For max 9 characters	silver
For max 13 characters	silver
For max 17 characters	silver
For max. 20 characters	silver

Type	Order No.	Pcs. / Pkt.
SD-WMTBS (NEUTRAL) VA	0826666	50
SD-WMTBS (NU) VA	0826556	50
SD-WMTBS (CH) VA	0826640	50
SD-WMTBS (SY) VA	0826653	50
SD-WMTB (30X10) VA	0826569	50
SD-WMTB (47X10) VA	0826572	50
SD-WMTB (70X10) VA	0826585	50
SD-WMTB (92X10) VA	0826598	50
SD-WMTB (111X10) VA	0826608	50

Accessories

Cable binder , made of stainless steel (AISI 304), width 4.6 mm, maximum bundle Ø [mm]/minimum tensile strength [N]	
30 / 890	silver
50 / 890	silver

WT-STEEL S 4,6X150	3240807	100
WT-STEEL S 4,6X201	3240808	100



High-grade steel cable marking for embossing or laser engraving



- Cable markers for marking cables and conductors with larger cross sections
- The individual high-grade steel markers are pushed onto the corresponding holders
- They are secured using high-grade steel cable binders
- Easy assembly with UNIFOX-CT M7,9

Notes:

For further stainless steel cable binders, see page 594.

PRINTED
FOR YOU



Stainless steel marker for assembly with cable binders

General data

Material

Technical data

Stainless steel 304

Ordering data

Description	Color
Steel cable markers , rustproof, non-magnetic, label size: 89 x 19 mm, lettering field size: 65 x 19 mm	silver
Steel cable markers , rustproof, non-magnetic, label size: 44 x 9.6 mm, lettering field size: 23 x 9 mm	silver

Type	Order No.	Pcs. / Pkt.
KMV	0806644	100
KMV 44X9,6	0812007	100

Accessories

Cable binder, made of stainless steel (AISI 304), width 4.6 mm, maximum bundle Ø [mm]/minimum tensile strength [N]

30 / 890

silver

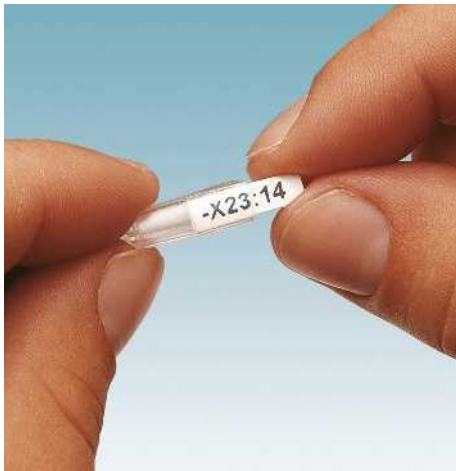
WT-STEEL S 4,6X150	3240807	100



Marking and labeling - MARKING system

Conductor and cable marking

Marking collars for insert labels



Closed marker carrier, for sliding on

- These conductor marking systems consist of marker carriers and insert labels
- The PATG ... collar is a captive marker carrier
- Can be used to mark conductors with a diameter of 0.6 ... 50 mm
- The corresponding UC-WMT ..., UCT-WMT ..., US-WMT ..., WMTW ..., and EMT ... insert labels are used for marking

General data

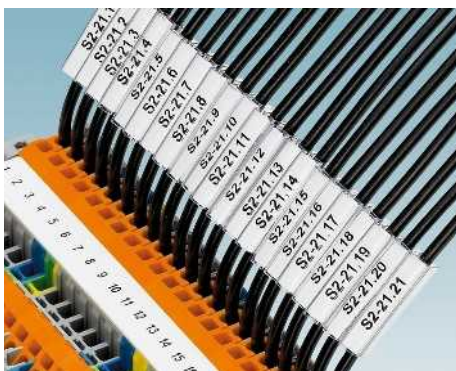
Material	PVC
Inflammability class according to UL 94	V0
Temperature range	-50 ... 80
Components	Silicone-free

Technical data

PVC
V0
-50 ... 80
Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marker carrier, closed, 10 mm wide				
Conductor diameter: 0.6-1.2 mm	transparent	PATG 0/10	1013795	1000
Conductor diameter: 1.5-2.5 mm	transparent	PATG 1/10	1013805	1000
Conductor cross section: 2.0-4.0 mm	transparent	PATG 2/10	1013818	1000
Conductor cross section: 4.0-7.0 mm	transparent	PATG 3/10	1013821	500
Wire marker carrier, closed, 12 mm wide				
Conductor diameter: 0.6-1.2 mm	transparent	PATG 0/12	0827076	1000
Conductor diameter: 1.5-2.5 mm	transparent	PATG 1/12	0827077	1000
Conductor cross section: 2.0-4.0 mm	transparent	PATG 2/12	0827078	1000
Conductor cross section: 4.0-7.0 mm	transparent	PATG 3/12	0827079	500
Conductor cross section: 6.0-10.0 mm	transparent	PATG 4/12	0827080	500
	transparent	PATG 5/12	0803312	200
Conductor marker carrier, closed, 15 mm wide				
Conductor diameter: 0.6-1.2 mm	transparent	PATG 0/15	1013740	1000
Conductor diameter: 1.5-2.5 mm	transparent	PATG 1/15	1013025	1000
Conductor cross section: 2.0-4.0 mm	transparent	PATG 2/15	1013038	1000
Conductor cross section: 4.0-7.0 mm	transparent	PATG 3/15	1013041	500
Conductor cross section: 6.0-10.0 mm	transparent	PATG 4/15	1013054	500
Conductor cross section: 10.0-14.0 mm	transparent	PATG 5/15	1013067	200
Conductor cross section: 14.0-22.0 mm	transparent	PATG 6/15	1013070	200
Conductor cross section: 22.0-30.0 mm	transparent	PATG 7/15	1013083	50
Conductor cross section: 30.0-35.0 mm	transparent	PATG 8/15	1013096	50
Conductor diameter: 35.0 - 45.0 mm	transparent	PATG 9/15	1013106	50
Wire marker carrier, closed, 18 mm wide				
Conductor diameter: 0.6-1.2 mm	transparent	PATG 0/18	0820507	1000
Conductor diameter: 1.5-2.5 mm	transparent	PATG 1/18	0820510	1000
Conductor cross section: 2.0-4.0 mm	transparent	PATG 2/18	0820523	1000
Conductor cross section: 4.0-7.0 mm	transparent	PATG 3/18	0820536	500
Conductor cross section: 6.0-10.0 mm	transparent	PATG 4/18	0820549	500
Conductor cross section: 10.0-14.0 mm	transparent	PATG 5/18	0820559	200
Conductor cross section: 14.0-22.0 mm	transparent	PATG 6/18	0828062	200
Conductor marker carrier, closed, 23 mm wide				
Conductor diameter: 0.6-1.2 mm	transparent	PATG 0/23	0828046	1000
Conductor diameter: 1.5-2.5 mm	transparent	PATG 1/23	1013847	1000
Conductor cross section: 2.0-4.0 mm	transparent	PATG 2/23	1013850	500
Conductor cross section: 4.0-7.0 mm	transparent	PATG 3/23	1013863	500
Conductor cross section: 6.0-10.0 mm	transparent	PATG 4/23	0808011	200
Conductor cross section: 10.0-14.0 mm	transparent	PATG 5/23	0808024	200
Conductor cross section: 14.0-22.0 mm	transparent	PATG 6/23	0808037	100
Conductor cross section: 22.0-30.0 mm	transparent	PATG 7/23	0808040	50
Conductor cross section: 30.0-35.0 mm	transparent	PATG 8/23	0808053	50
Conductor marker carrier, closed, 30 mm wide				
Conductor diameter: 1.5-2.5 mm	transparent	PATG 1/30	0822440	500
Conductor cross section: 2.0-4.0 mm	transparent	PATG 2/30	0822453	500
Conductor cross section: 4.0-7.0 mm	transparent	PATG 3/30	0822466	200
Conductor cross section: 6.0-10.0 mm	transparent	PATG 4/30	0822479	200
Conductor cross section: 10.0-14.0 mm	transparent	PATG 5/30	0822482	200



Marking collars for insert labels

- Can be marked using UC-WMT ..., US-WMT ..., UCT-WMT..., and WMTW plastic labels or EMT ... insert strips

PATO ...

- These marking collars are used for subsequent marking of systems that have already been wired

PAB-KTL ...

- Marking collars for identifying and bundling conductors



Open marker carrier, for clipping on



Marker carrier for assembly with cable binders

General data		Technical data			Technical data		
Material		PVC			PVC		
Inflammability class according to UL 94		V0			V0		
Temperature range	[°C]	-50 ... 80			-50 ... 80		
Components		Silicone-free			Silicone-free		
Ordering data		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Conductor marker carrier, open, 10 mm wide							
Conductor cross section: 2.0-3.5 mm	transparent	PATO 1/10	1013876	1000			
Conductor diameter: 2.8 - 4.4 mm	transparent	PATO 2/10	1013889	1000			
Wire marker carrier, open, 12 mm wide							
Conductor cross section: 2.0-3.5 mm	transparent	PATO 1/12	0827081	1000			
Conductor diameter: 2.8 - 4.4 mm	transparent	PATO 2/12	0827082	1000			
Conductor marker carrier, open, 15 mm wide							
Conductor cross section: 2.0-3.5 mm	transparent	PATO 1/15	1013119	1000			
Conductor diameter: 2.8 - 4.4 mm	transparent	PATO 2/15	1013122	1000			
Conductor diameter: 6.7 - 8.0 mm	transparent	PATO 3/15	1013135	500			
Conductor diameter: 6.7 - 10.0 mm	transparent	PATO 4/15	1013148	500			
Wire marker carrier, open, 18 mm wide							
Conductor cross section: 2.0-3.5 mm	transparent	PATO 1/18	0823740	500			
Conductor diameter: 2.8 - 4.4 mm	transparent	PATO 2/18	0823753	500			
Conductor marker carrier, open, 23 mm wide							
Conductor cross section: 2.0-3.5 mm	transparent	PATO 1/23	1013892	500			
Conductor diameter: 2.8 - 4.4 mm	transparent	PATO 2/23	1013902	500			
Conductor marker carrier, open, 30 mm wide							
Conductor cross section: 2.0-3.5 mm	transparent	PATO 1/30	0822495	500			
Conductor diameter: 2.8 - 4.4 mm	transparent	PATO 2/30	0822505	500			
Cable marker carrier, lettering field along the length of cable, marking with UC-WMT and PABA..., lettering field: 30 x 4 mm, is secured with PKB cable tie							
	transparent				PAB-KTL	1013261	200
Lettering field size: 23 x 4 mm, marking with UC-WMT and PABA.../23	transparent				PAB-KTL 23	1013957	200
Plastic cable marker for PKE insert label, can be marked with PKE insert label, marking field: 9 mm x 20 mm, with eyelets for fastening to PKB cable ties							
	transparent				PKT 9X20	0803977	240

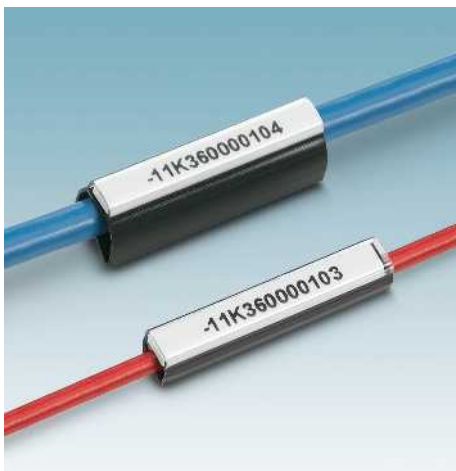
Marking and labeling - MARKING system

Conductor and cable marking

Halogen-free marking collars for insert labels



- These conductor marking systems consist of marker carriers and insert labels
- The PATG HF... sleeve is a captive marker carrier
- Conductors with a diameter of 1.3 mm ... 10 mm can be marked with it.
- The corresponding UC-WMT... and UCT-WMT... insert labels are used for marking
- These conductor marking systems are particularly suitable for use in the railway and automotive industry, traffic technology, and building technology, thanks to their outstanding material properties
- Comprehensive approvals, such as the NF F 16-101/16-102, DIN EN 45545-2, and DIN 5510-2 ensure international use



Notes:

High-quality fluid printing with the BLUEMARK is required when using the UC-WMT... insert labels.

new



Closed marker carrier, for sliding on

General data

Material	TPU
Inflammability class according to UL 94	V0
Temperature range	-40 ... 100
Components	free from silicone, halogen, and cadmium

[°C]

Technical data

TPU
V0
-40 ... 100
free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marker carrier, closed, 10 mm wide				
Cable diameter: 1.3 - 2.8 mm	transparent/ black	PATG HF 1/10	1014044	1000
Cable diameter: 2.0 - 4.0 mm	transparent/ black	PATG HF 2/10	1014050	1000
Cable diameter: 4.0 - 7.0 mm	transparent/ black	PATG HF 3/10	1014056	500
Wire marker carrier, closed, 12 mm wide				
Cable diameter: 1.3 - 2.8 mm	transparent/ black	PATG HF 1/12	1014045	1000
Cable diameter: 2.0 - 4.0 mm	transparent/ black	PATG HF 2/12	1014051	1000
Cable diameter: 4.0 - 7.0 mm	transparent/ black	PATG HF 3/12	1014057	500
Cable diameter: 5.0 - 10.0 mm	transparent/ black	PATG HF 4/12	1014063	500
Conductor marker carrier, closed, 15 mm wide				
Cable diameter: 1.3 - 2.8 mm	transparent/ black	PATG HF 1/15	1014046	1000
Cable diameter: 2.0 - 4.0 mm	transparent/ black	PATG HF 2/15	1014052	1000
Cable diameter: 4.0 - 7.0 mm	transparent/ black	PATG HF 3/15	1014058	500
Cable diameter: 5.0 - 10.0 mm	transparent/ black	PATG HF 4/15	1014064	500
Wire marker carrier, closed, 18 mm wide				
Cable diameter: 1.3 - 2.8 mm	transparent/ black	PATG HF 1/18	1014047	1000
Cable diameter: 2.0 - 4.0 mm	transparent/ black	PATG HF 2/18	1014053	1000
Cable diameter: 4.0 - 7.0 mm	transparent/ black	PATG HF 3/18	1014059	500
Cable diameter: 5.0 - 10.0 mm	transparent/ black	PATG HF 4/18	1014065	500
Conductor marker carrier, closed, 23 mm wide				
Cable diameter: 1.3 - 2.8 mm	transparent/ black	PATG HF 1/23	1014048	1000
Cable diameter: 2.0 - 4.0 mm	transparent/ black	PATG HF 2/23	1014054	500
Cable diameter: 4.0 - 7.0 mm	transparent/ black	PATG HF 3/23	1014060	500
Cable diameter: 5.0 - 10.0 mm	transparent/ black	PATG HF 4/23	1014066	200
Conductor marker carrier, closed, 30 mm wide				
Cable diameter: 1.3 - 2.8 mm	transparent/ black	PATG HF 1/30	1014049	500
Cable diameter: 2.0 - 4.0 mm	transparent/ black	PATG HF 2/30	1014055	500
Cable diameter: 4.0 - 7.0 mm	transparent/ black	PATG HF 3/30	1014061	200
Cable diameter: 5.0 - 10.0 mm	transparent/ black	PATG HF 4/30	1014067	200

Marking and labeling - MARKING system

Conductor and cable marking

Overview of conductor and cable marking

Markers for marking with TOPMARK LASER, BLUEMARK..., THERMOMARK... or plotters



Conductor diameter [mm]	Stainless steel and aluminum labels				Aluminum labels				Conductor clips												Ferrules (dimensions in mm²)				
	Page 160				Page 160				Page 162												Page 169				
	LS-WMTB-... (29X8)	LS-WMTB-... (40X15)	LS-WMTB-... (60X15)	LS-WMTB-... (100x15)	LS-WMTB-... (D25)	LS-WMTB-... (D30)	WMTB-AL (29X8)	WMTB-AL (40X15)	WMTB-AL (60X15)	WMTB-AL (D30)	UC-WMC 1,9...	UC-WMC 3,1...	UC-WMC 4,4...	UC-WMC 5,6...	UC-WMC 7,5...	UC-WMCO 1,6...	UC-WMCO 2,1...	UC-WMCO 2,9...	UC-WMCO 3,6...	UC-WMCO 4,9...	Al-WM 0,5-8 WH	Al-WM 0,75-8 GY	Al-WM 1-8 RD	Al-WM 1,5-8 WH	Al-WM 2,5-8 BU
0.5																									
1.0																					0.5	0.75	1.0	1.5	2.5
1.5											1.2					1.3									
2.0											1.9					1.6									
2.5												1.9				2.1									
3.0													2.8				2.1								
3.5	> 2.9						> 2.9					3.1						2.9							
4.0													2.8					3.6							
4.5													4.4	4.2					3.6						
5.0		> 4.6	> 4.6	> 4.6				> 4.6	> 4.6										4.9						
5.5														5.6	5.0										
6.0																									
7.0															7.5										
8.0																									
9.0																									
10.0																									
12.0																									
14.0																									
16.0																									
18.0																									
20.0																									
22.0																									
24.0																									
26.0																									
28.0																									
30.0																									
35.0																									
40.0																									
45.0																									
50.0	> 50	> 50	> 50	> 50			> 50	> 50	> 50	> 50															



Conductor marker		Marking collars in conjunction with UC-WMT ... / EMT ... / US-WMT ... / WMTW ... / UCT-WMT...
for assembly with cable binders	for threading on	
Page 172	Page 176	

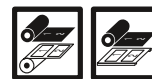
UC-WMTB ...	UC-WMTBA (24x5)...	UC-WMTBA (29x8)...	UC-WMTBA (60x11)...	UCT-WMS 3,2...	UCT-WMS 4,7...	PATG 0/...	PATG 1/...	PATG 2/...	PATG 3/...	PATG 4/...	PATG 5/...	PATG 6/...	PATG 7/...	PATG 8/...	PATG 9/...	PATO 1/...	PATO 2/...	PATO 3/...	PATO 4/...	PAB-KTL
						0.6														
						1.2														
				1.5			1.5									2.0				
				3.2	2.5		2.5	2.0												
																3.5	2.8			
								4.0												
	4.0				4.7				4.0								4.4			
		6.0	6.0						7.0	6.0								6.7		
7.0																				
										10.0									10.0	
											10.0									
												14.0								
													14.0							
														22.0						
															22.0					
																30.0				
																	30.0			
																	35.0			
																		45		
> 50	> 50	> 50	> 50																	> 50

Marking and labeling - MARKING system

Conductor and cable marking

Overview of conductor and cable marking

Markers for marking with THERMOMARK...
or laser printers



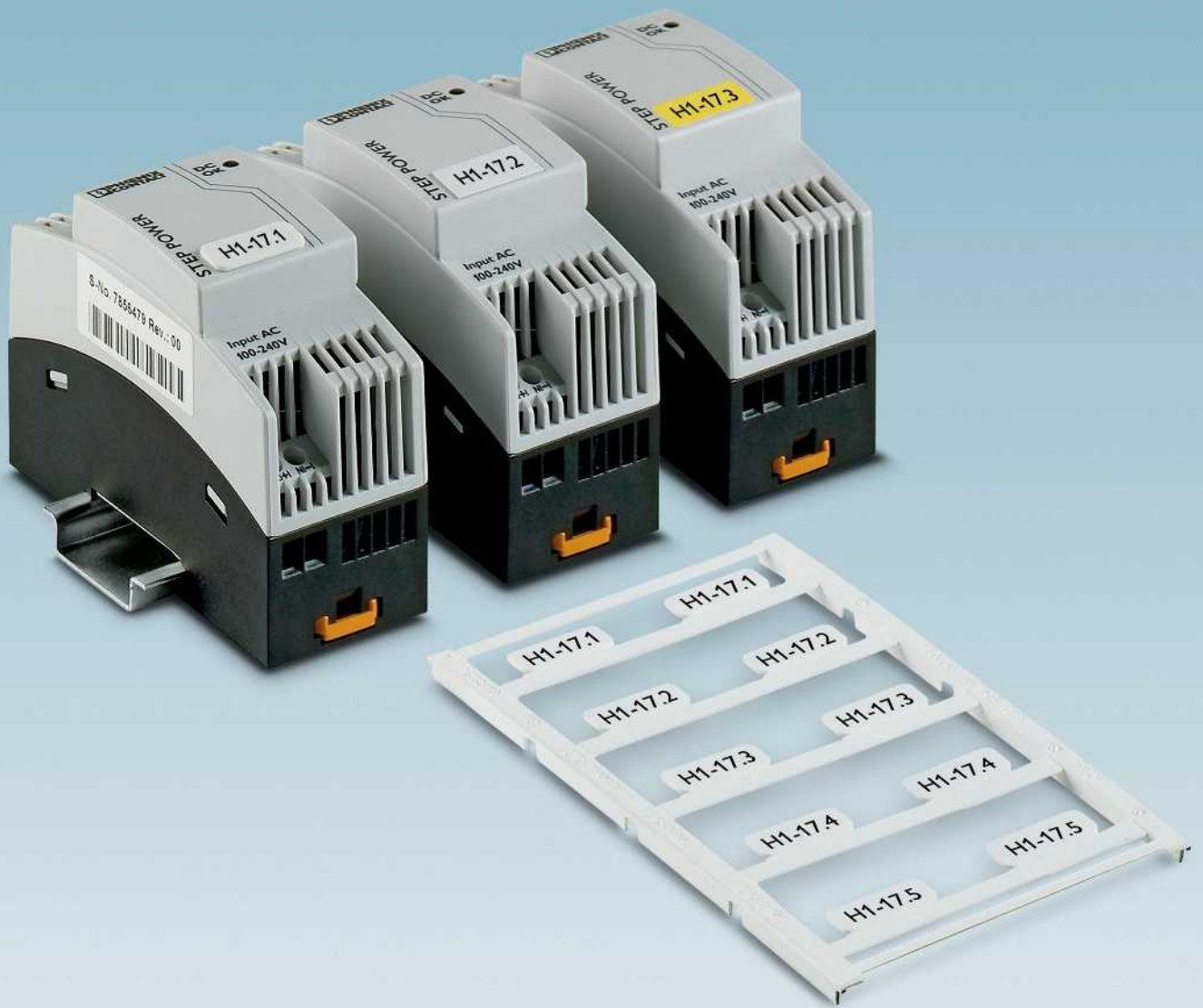
Conductor diameter [mm]	Cable markers for threading on			Cable marker labels									
	Page 182			Page 185									
	US-WMTB (24X5)	US-WMTB (29X8)	US-WMTB (44X15)	WML 3...	WML 5...	WML 6... / US-WML 6...	WML 7,5...	WML 12...	WML 14... / US-WML 14...	WML 18...	WML 22...	WML 36... / US-WML 36...	WML 46...
0.5													
1.0													
1.5													
2.0													
2.5				2.0	2.0								
3.0				3.0						2.5			
3.5						3.0	3.0						
4.0													
4.5			> 4.0										
5.0					5.0								
5.5								5.0	5.0				
6.0						6.0							
7.0							7.5						
8.0											7.0		
9.0													
10.0													
12.0								12.0					
14.0									14.0			11.0	11.0
16.0	> 13.0	> 13.0											
18.0										18.0			
20.0													
22.0											22.0		
24.0													
26.0													
28.0													
30.0													
35.0												36.0	
40.0													
45.0													46.0
50.0	> 50	> 50	> 50										



Plastic cable markers
in conjunction with **US-EMP .../ ESL .../ EMT ...**

Page 200

WMS (2HF*) 2,4...	WMS (2HF*) 3,2...	WMS (2HF*) 4,8...	WMS (2HF*) 6,4...	WMS (2HF*) 9,5...	WMS (2HF*)12,7...	WMS (2HF*)19,1...	WMS (2HF*)25,4...	WMS (2HF*)38,1...	WMS (2HF*)50,8...	WMT 2,4...	WMT 3,5...	WMT 4,2...	WMT 5,5...	WMT 8,4...	WMTB ... / US-WMTB ...	KMK	KMK 1	KMK 2	KMK 3	KMK 4	KMK 5
0.8 1.2* 2.4	1.0 1.6* 3.2	1.6 2.4* 4.8	2.1 3.2* 4.8* 6.4	3.2 4.8* 6.4* 9.5	4.2 6.4* 12.7	6.4 9.5* 19.1	8.5 12.7* 25.4	12.7 19.1* 38.1	16.9 25.4* 50.8	1.0 2.4	2.0 3.5	3.0 4.2	4.0 5.5	5.0 8.4	0.5		0.5	0.5		0.5	0.5



Device marking - MARKING system

Identifying electrical and electronic control cabinets does not just make service work easier. In some sectors, it is actually a mandatory requirement. Moreover, equipment identification improves the quality of the control cabinets and systems.

Phoenix Contact provides a variety of different markers for device marking. From adhesive labels to high-quality engraving labels, the wide marker range caters for every application.

A variety of printing systems is available for marking or engraving.

Product range overview

Device marking 224

LS-EM... stainless steel, aluminum, plastic, and laser foil device marking

Designed to be stuck on, screwed in or riveted or snapped into marker carriers 226

Aluminum EM... AL and stainless steel EM...-V4A device marking

Designed to be stuck on, screwed in or riveted or snapped into marker carriers 237

UniCard UC-EM... and UCT-EM... device marking

Designed to be stuck on, screwed in or riveted or snapped into marker carriers 240

Snap-in, for devices from Phoenix Contact and other manufacturers 248

UniSheet US-EM... device marking

Designed to be stuck on, screwed in or riveted or snapped into marker carriers, labels, and combi labels 254

EM... device marking, labels supplied in rolls

Labels for buttons, continuous and textile labels, labels for rough surfaces, for high-temperature and ESD applications, removable labels, labels with anti-tamper protection 264

Insert strips for devices from Phoenix Contact and other manufacturers 280

BMK... device marking, labels supplied as DIN A sheets 282

GPE... and EMLP... device marking, markers for printing or engraving 284

Marker carriers and profiles 286

Device marking overview

The right marking solution for every device

Phoenix Contact 292

Other manufacturers 294



Explicit marking of electrical and electronic control cabinet components is essential for safe and efficient work. As with comprehensive technical documentation, marking all operating equipment increases the availability of the switchgear and simplifies maintenance.

Last but not least, equipment identification improves the quality of the control cabinets and systems. Phoenix Contact provides a wide range of labels and tags. Depending on the type, they can be marked using BLUEMARK, thermal transfer printers, the plotter, engraving devices, commercially available desktop laser printers or by hand.

With the TOPMARK laser marker you can implement resistant, durable marking on high-quality materials in industrial environments.

For the BLUEMARK CLED and THERMOMARK CARD, there is a complete range of plastic labels available for control cabinets as well as for buttons and switchgear.

The labels of all the various printing systems feature a high level of wipe and scratch resistance.

The self-adhesive labels are made from a two-layer material and are highly durable, e.g., where buttons and switches are subject to frequent use. The best way to mark these labels is to use the engraving device of the CMS-P1-PLOTTER plotter.

Please contact us, if you are unable to find a suitable size or color for your application from the options available in our product range.

It goes without saying that Phoenix Contact also provides a comprehensive engraving and marking service for device marking applications. Test us out!



Device markers are available in various sizes, materials, and colors. The self-adhesive labels have been designed for use in a wide temperature range.



Drilled labels are available for marking devices and control cabinets. These can be securely attached to the device using screws or rivets.



The CARRIER marking system is the perfect choice for marking buttons. It consists of a carrier plus marking label and can be used in control cabinets as well as in the field.



High-temperature labels are ideal for marking PCBs. These labels can safely and permanently withstand temperatures of -40°C to 180°C; or a temperature of 300°C for up to 60 seconds.



Tamper-proof labels are used as rating plates or seals. When they are peeled off, part of the metallic layer comes away, leaving behind a pattern on both the label and the surface.



GPE label sheets consist of a two-layer material that is ideal for engraving. However, the pre-fabricated self-adhesive labels can also be marked directly by hand or using a plotter.



In the case of small print volumes, labels can also be printed using commercially available desktop laser printers. Copy sheets are provided with margins to make it easier to remove individual labels.



The self-adhesive markers are available in various shapes and sizes. They can be used to mark components, devices, and buttons and are highly resistant to chemical and mechanical effects.



Self-adhesive marker carriers are used in conjunction with marking labels for the purpose of marking devices and modules. The carriers can be stuck onto all standard surfaces.

Device marking

Stainless steel and aluminum device marking for screwing or riveting

Can be marked using:



Direct laser marking



Stainless steel, material thickness: 0.5 mm

- The LS-EMSP ... product range is available in stainless steel (V4A) or aluminum and includes markers that can be quickly and easily fitted with screws or rivets
- The LS-EMSP-V4A ... group is particularly characterized by its high resistance to saltwater, chloride, and solvents and is therefore also suitable for the most demanding industrial requirements
- The LS-EMSP-V4A ... product group can be permanently marked in two ways: by engraving or annealing
- By selecting the material in the CLIP PROJECT planning and configuration software, the correct laser parameters are automatically passed to the TOPMARK LASER
- **Designation example:**
LS-EMSP-V4A (39x15)
Lettering field size: 39 x 15 mm

Notes:
For matching rivets for securing the LS-EMSP-V4A ... and LS-EMSP-AL ..., see page 368 or the product area on our website at phoenixcontact.net/products .
For drilling diagrams, visit phoenixcontact.net/products .
¹⁾ From lettering field size 110 x 80 to 170 x 180 mm, the material thickness is 1.5 mm.

General data
Can be marked using
Material
Wipe resistance
Components

Description
Marking label , with mounting holes 3.2 mm in diameter
24-section
16-section
10-section
6-section
2-section
2-section
1-section
1-section
Marking label , with mounting holes 3.2 mm in diameter
10-section, red
10-section, orange
10-section, blue
10-section, green
6-section, red
6-section, orange
6-section, blue
6-section, green

Sheet hopper , for TOPMARK LASER

Technical data
TOPMARK LASER
V4A
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-EMSP-V4A (39X15)	0831653	5
LS-EMSP-V4A (50X15)	0831654	5
LS-EMSP-V4A (50X30)	0831655	5
LS-EMSP-V4A (75,6X54)	0831656	5
LS-EMSP-V4A (90X60)	0831657	5

Accessories		
TOPMARK LASER-MAG SHEET	0831836	1

PRINTED
FOR YOU



Aluminum, material thickness: 0.8 mm¹⁾

PRINTED
FOR YOU



Aluminum, black, material thickness: 0.8 mm¹⁾

PRINTED
FOR YOU



Aluminum, colored, material thickness: 0.8 mm

Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs. / Pkt.
LS-EMSP-AL (39X15)	0831615	5
LS-EMSP-AL (50X15)	0831616	5
LS-EMSP-AL (50X30)	0831617	5
LS-EMSP-AL (75,6X54)	0831618	5
LS-EMSP-AL (90X60)	0831619	5
LS-EMSP-AL (110X80)	0831620	5
LS-EMSP-AL (150X80)	0831621	5
LS-EMSP-AL (150X120)	0831622	5
LS-EMSP-AL (170X180)	0831623	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1
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Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs. / Pkt.
LS-EMSP-AL (39X15) BK	0831626	5
LS-EMSP-AL (50X15) BK	0831627	5
LS-EMSP-AL (50X30) BK	0831628	5
LS-EMSP-AL (75,6X54) BK	0831629	5
LS-EMSP-AL (90X60) BK	0831630	5
LS-EMSP-AL (110X80) BK	0831631	5
LS-EMSP-AL (150X80) BK	0831632	5
LS-EMSP-AL (150X120) BK	0831633	5
LS-EMSP-AL (170X180) BK	0831634	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1
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Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs. / Pkt.
LS-EMSP-AL (50X30) RD	0831637	5
LS-EMSP-AL (50X30) OG	0831641	5
LS-EMSP-AL (50X30) BU	0831645	5
LS-EMSP-AL (50X30) GN	0831649	5
LS-EMSP-AL (75,6X54) RD	0831638	5
LS-EMSP-AL (75,6X54) OG	0831642	5
LS-EMSP-AL (75,6X54) BU	0831646	5
LS-EMSP-AL (75,6X54) GN	0831650	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1
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Marking and labeling - MARKING system

Device marking

Adhesive aluminum device marking

Can be marked using:



Direct laser marking



Aluminum, material thickness: 0.8 mm

- The aluminum LS-EMLP-AL ... product range includes self-adhesive device markers with a high adhesive strength
- The use of modern laser technology creates highly resistant and permanent marking, which can only be removed by destroying the material
- By selecting the material in the CLIP PROJECT planning and configuration software, the correct laser parameters are automatically passed to the TOPMARK LASER
- **Designation example:**
LS-EMLP-AL (27x15)
Lettering field size: 27 x 15 mm
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements

General data

Can be marked using
Material
Wipe resistance
Components

Description

Marking label, aluminum, self-adhesive

40-section
35-section
24-section
16-section
10-section
6-section
2-section

Marking label, aluminum, self-adhesive

10-section, red
10-section, orange
10-section, blue
10-section, green
6-section, red
6-section, orange
6-section, blue
6-section, green

Sheet hopper, for TOPMARK LASER

Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs. / Pkt.
LS-EMLP-AL (27X15)	0831580	5
LS-EMLP-AL (27X18)	0831581	5
LS-EMLP-AL (49X15)	0831582	5
LS-EMLP-AL (60X15)	0831583	5
LS-EMLP-AL (60X30)	0831584	5
LS-EMLP-AL (85,6X54)	0831585	5
LS-EMLP-AL (100X60)	0831586	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1
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PRINTED
FOR YOU



Aluminum, black, material thickness: 0.8 mm

PRINTED
FOR YOU



Aluminum, colored, material thickness:
0.8 mm

Technical data		
TOPMARK LASER		
Aluminum		
DIN EN 61010-1 (VDE 0411-1)		
free from silicone, halogen, and cadmium		
Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-EMLP-AL (27X15) BK	0831589	5
LS-EMLP-AL (27X18) BK	0831590	5
LS-EMLP-AL (49X15) BK	0831591	5
LS-EMLP-AL (60X15) BK	0831592	5
LS-EMLP-AL (60X30) BK	0831593	5
LS-EMLP-AL (85,6X54) BK	0831594	5
LS-EMLP-AL (100X60) BK	0831595	5
Accessories		
TOPMARK LASER-MAG SHEET	0831836	1

Technical data		
TOPMARK LASER		
Aluminum		
DIN EN 61010-1 (VDE 0411-1)		
free from silicone, halogen, and cadmium		
Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-EMLP-AL (60X30) RD	0831598	5
LS-EMLP-AL (60X30) OG	0831602	5
LS-EMLP-AL (60X30) BU	0831606	5
LS-EMLP-AL (60X30) GN	0831610	5
LS-EMLP-AL (85,6X54) RD	0831599	5
LS-EMLP-AL (85,6X54) OG	0831603	5
LS-EMLP-AL (85,6X54) BU	0831607	5
LS-EMLP-AL (85,6X54) GN	0831611	5
Accessories		
TOPMARK LASER-MAG SHEET	0831836	1

Device marking

Aluminum device marking for snapping into marker carriers



- The aluminum LS-EMP-AL ... product range includes markers that can be quickly and easily fitted into existing CARRIER-EMP ... label frames
- The use of modern laser technology creates highly resistant and permanent marking, which can only be removed by destroying the material
- By selecting the material in the CLIP PROJECT planning and configuration software, the correct laser parameters are automatically passed to the TOPMARK LASER
- **Designation example:**
LS-EMP-AL (27x15)
Lettering field size: 27 x 15 mm
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements

Can be marked using:



Direct laser marking



Aluminum, material thickness: 0.8 mm

General data
Can be marked using
Material
Wipe resistance
Components

Description
Marking label , aluminum, can be snapped into marker carriers
40-section
35-section
24-section
16-section
10-section
6-section
2-section

Sheet hopper, for TOPMARK LASER
Marker carriers , for snap-in labels
Marker size: 27 x 15 mm
Marker size: 49 x 15 mm
Marker size: 60 x 15 mm
Marker size: 60 x 30 mm
Marker size: 85 x 54 mm
Marker carriers , for snap-in labels, for buttons and switches 22 mm in diameter
Marker size: 27 x 15 mm
Marker size: 27 x 18 mm

Technical data
TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-EMP-AL (27X15)	0831661	5
LS-EMP-AL (27X18)	0831662	5
LS-EMP-AL (49X15)	0831663	5
LS-EMP-AL (60X15)	0831664	5
LS-EMP-AL (60X30)	0831665	5
LS-EMP-AL (85,6X54)	0831666	5
LS-EMP-AL (100X60)	0831667	5

Accessories		
TOPMARK LASER-MAG SHEET	0831836	1
CARRIER-EMP (27X15)	0827451	80
CARRIER-EMP (49X15)	0827452	40
CARRIER-EMP (60X15)	0827453	40
CARRIER-EMP (60X30)	0827454	30
CARRIER-EMP (85,6X54)	0829365	10
CARRIER-EMP 22 (27X15)	0827447	50
CARRIER-EMP 22 (27X18)	0827448	50



PRINTED
FOR YOU



Aluminum, black, material thickness: 0.8 mm

Technical data

TOPMARK LASER

Aluminum

DIN EN 61010-1 (VDE 0411-1)

free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs. / Pkt.
LS-EMP-AL (27X15) BK	0831669	5
LS-EMP-AL (27X18) BK	0831670	5
LS-EMP-AL (49X15) BK	0831671	5
LS-EMP-AL (60X15) BK	0831672	5
LS-EMP-AL (60X30) BK	0831673	5
LS-EMP-AL (85,6X54) BK	0831674	5
LS-EMP-AL (100X60) BK	0831675	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1
CARRIER-EMP (27X15)	0827451	80
CARRIER-EMP (49X15)	0827452	40
CARRIER-EMP (60X15)	0827453	40
CARRIER-EMP (60X30)	0827454	30
CARRIER-EMP (85,6X54)	0829365	10
CARRIER-EMP 22 (27X15)	0827447	50
CARRIER-EMP 22 (27X18)	0827448	50

Marking and labeling - MARKING system

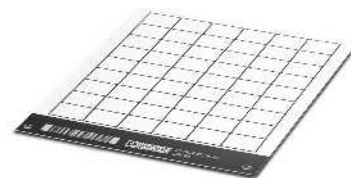
Device marking

Plastic adhesive device marking

Can be marked using:



Direct laser marking



TRANSPLY-ABS, white,
material thickness: 0.8 mm

- The LS-EMLP ... product range includes self-adhesive double-layer plastic device markers
- A wide range of different marker sizes is available for custom designs
- By selecting the material in the CLIP PROJECT planning and configuration software, the correct laser parameters are automatically passed to the TOPMARK LASER
- **Designation example:**
LS-EMLP (11x9) SR
Lettering field size: 11 x 9 mm, silver material with black marking

General data

Can be marked using
Material
Temperature range
Wipe resistance
Components

[°C]

Technical data

TOPMARK LASER
TRANSPLY-ABS
-20 ... 85
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description

Plastic label sheet, self-adhesive, double-layer plastic labels

1 sheet = 255 labels
1 sheet = 221 labels
1 sheet = 220 labels
1 sheet = 170 labels
1 sheet = 130 labels
1 sheet = 100 labels
1 sheet = 176 labels
1 sheet = 160 labels
1 sheet = 104 labels
1 sheet = 56 labels
1 sheet = 120 labels
1 sheet = 78 labels
1 sheet = 60 labels
1 sheet = 54 labels
1 sheet = 36 labels
1 sheet = 33 labels
1 sheet = 30 labels
1 sheet = 30 labels
1 sheet = 20 labels
1 sheet = 10 labels
1 sheet = 6 labels
1 sheet = 2 labels

Type

Order No.

Pcs. /
Pkt.

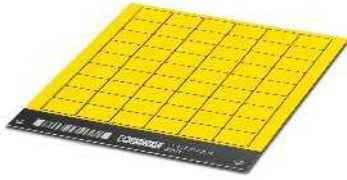
LS-EMLP (11X9) WH	0831678	10
LS-EMLP (13X9) WH	0831679	10
LS-EMLP (17X7) WH	0831680	10
LS-EMLP (17X9) WH	0831681	10
LS-EMLP (17,5X12) WH	0831682	10
LS-EMLP (17,5X15) WH	0831683	10
LS-EMLP (20X7) WH	0831684	10
LS-EMLP (20X8) WH	0831685	10
LS-EMLP (22X12) WH	0831686	10
LS-EMLP (22X22) WH	0831687	10
LS-EMLP (27X8) WH	0831688	10
LS-EMLP (27X12,5) WH	0831689	10
LS-EMLP (27X15) WH	0831690	10
LS-EMLP (27X18) WH	0831691	10
LS-EMLP (27X27) WH	0831692	10
LS-EMLP (45X14) WH	0831693	10
LS-EMLP (45X15) WH	0831694	10
LS-EMLP (49X15) WH	0831695	10
LS-EMLP (60X15) WH	0831696	10
LS-EMLP (60X30) WH	0831697	10
LS-EMLP (85,6X54) WH	0831698	10
LS-EMLP (100X60) WH	0831699	10

Sheet hopper, for TOPMARK LASER

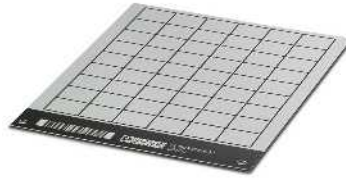
Accessories

TOPMARK LASER-MAG SHEET	0831836	1
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TRANSPLY-ABS, yellow,
material thickness: 0.8 mm



TRANSPLY-ABS, silver,
material thickness: 0.8 mm

Technical data
TOPMARK LASER TRANSPLY-ABS -20 ... 85 DIN EN 61010-1 (VDE 0411-1) Free from silicone and halogen

Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-EMLP (11X9) YE	0831732	10
LS-EMLP (13X9) YE	0831733	10
LS-EMLP (17X7) YE	0831734	10
LS-EMLP (17X9) YE	0831735	10
LS-EMLP (17,5X12) YE	0831736	10
LS-EMLP (17,5X15) YE	0831737	10
LS-EMLP (20X7) YE	0831738	10
LS-EMLP (20X8) YE	0831739	10
LS-EMLP (22X12) YE	0831740	10
LS-EMLP (22X22) YE	0831741	10
LS-EMLP (27X8) YE	0831742	10
LS-EMLP (27X12,5) YE	0831743	10
LS-EMLP (27X15) YE	0831744	10
LS-EMLP (27X18) YE	0831745	10
LS-EMLP (27X27) YE	0831746	10
LS-EMLP (45X14) YE	0831747	10
LS-EMLP (45X15) YE	0831748	10
LS-EMLP (49X15) YE	0831749	10
LS-EMLP (60X15) YE	0831750	10
LS-EMLP (60X30) YE	0831751	10
LS-EMLP (85,6X54) YE	0831752	10
LS-EMLP (100X60) YE	0831753	10

Accessories		
TOPMARK LASER-MAG SHEET	0831836	1

Technical data
TOPMARK LASER TRANSPLY-ABS -20 ... 85 DIN EN 61010-1 (VDE 0411-1) Free from silicone and halogen

Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-EMLP (11X9) SR	0831705	10
LS-EMLP (13X9) SR	0831706	10
LS-EMLP (17X7) SR	0831707	10
LS-EMLP (17X9) SR	0831708	10
LS-EMLP (17,5X12) SR	0831709	10
LS-EMLP (17,5X15) SR	0831710	10
LS-EMLP (20X7) SR	0831711	10
LS-EMLP (20X8) SR	0831712	10
LS-EMLP (22X12) SR	0831713	10
LS-EMLP (22X22) SR	0831714	10
LS-EMLP (27X8) SR	0831715	10
LS-EMLP (27X12,5) SR	0831716	10
LS-EMLP (27X15) SR	0831717	10
LS-EMLP (27X18) SR	0831718	10
LS-EMLP (27X27) SR	0831719	10
LS-EMLP (45X14) SR	0831720	10
LS-EMLP (45X15) SR	0831721	10
LS-EMLP (49X15) SR	0831722	10
LS-EMLP (60X15) SR	0831723	10
LS-EMLP (60X30) SR	0831724	10
LS-EMLP (85,6X54) SR	0831725	10
LS-EMLP (100X60) SR	0831726	10

Accessories		
TOPMARK LASER-MAG SHEET	0831836	1

Marking and labeling - MARKING system

Device marking

Stick-on device marking, plastic, with hole for switch

Can be marked using:



Direct laser marking

PRINTED
FOR YOU



TRANSPLY-ABS, colored,
material thickness: 0.8 mm

- The LS-EMLP 24/ 30/ 32 ... product range includes self-adhesive double-layer plastic device markers with a hole for the switch
- A wide range of different marker sizes is available for custom designs
- By selecting the material in the CLIP PROJECT planning and configuration software, the correct laser parameters are automatically passed to the TOPMARK LASER
- **Designation example:**
LS-EMLP 24 (30x12) WH
Lettering field size: 30 x 12 mm
Hole diameter for switch: 24 mm, white material with black marking
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements

General data

Can be marked using
Material
Temperature range
Wipe resistance
Components

[°C]

Technical data

TOPMARK LASER
TRANSPLY-ABS
-20 ... 85
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color
Plastic label sheet , with hole for switch, diameter 24 mm, self-adhesive double-layer plastic labels	
1 sheet = 20 labels	white
1 sheet = 20 labels	yellow
1 sheet = 20 labels	silver
Plastic label sheet , with hole for switch, diameter 30 mm, self-adhesive double-layer plastic labels	
1 sheet = 9 labels	white
1 sheet = 9 labels	yellow
1 sheet = 9 labels	silver
Plastic label sheet , with hole for switch, diameter 32 mm, self-adhesive double-layer plastic labels	
1 sheet = 12 labels	white
1 sheet = 12 labels	yellow
1 sheet = 12 labels	silver

Type	Order No.	Pcs. / Pkt.
LS-EMLP 24 (30X12) WH	0831700	10
	0831754	10
	0831727	10
LS-EMLP 30 (45X10) WH	0831701	10
	0831755	10
	0831728	10
LS-EMLP 32 (38X14) WH	0831702	10
	0831756	10
	0831729	10

Sheet hopper, for TOPMARK LASER

Accessories

TOPMARK LASER-MAG SHEET	0831836	1
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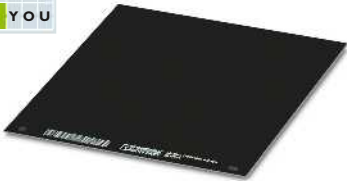


Laser foil adhesive device marking

Can be marked using:



Direct laser marking



Polyacrylate, black-white

- The LS-EML ... product range includes self-adhesive, double-layer plastic foil labels that can be custom designed
- The laser foil is characterized by its high heat resistance and particularly strong adhesive properties
- By selecting the material in the CLIP PROJECT planning and configuration software, the correct laser parameters are automatically passed to the TOPMARK LASER
- **Designation example:**
LS-EML (180x180) BK-WH
Lettering field size: 180 x 180 mm, can be custom designed, black material with white marking
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements

General data	
Can be marked using	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Description
Laser foil , double-layer plastic foil, for custom label design
Lettering field size: 180 x 180 mm

Sheet hopper , for TOPMARK LASER

Technical data	
TOPMARK LASER	
Polyacrylate	
-40 ... 300	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Ordering data		
Type	Order No.	Pcs. / Pkt.
LS-EML (180X180) BK-WH	0831784	10

Accessories		
TOPMARK LASER-MAG SHEET	0831836	1



Device marking

Stick-on aluminum device marking

Can be marked using:



UV LED technology

- The aluminum EMLP-AL... product range includes self-adhesive device markers with a high adhesive strength and is characterized by:
- The markers can be marked quickly, easily, and cost-effectively with the BLUEMARK CLED
- Marking service: Phoenix Contact can custom-mark EMLP ... markers according to your requirements

- A wide range of different marker sizes is available for custom designs. Formats from 27 x 15 to 100 x 60 mm cover the entire range of device and system marking

General data	
Can be marked using	
Material	
Wipe resistance	

Description	Color
Marking label, aluminum , self-adhesive, can be snapped in, 0.8 mm thick	
Lettering field size: 27 x 15 mm	aluminum
Lettering field size: 27 x 18 mm	aluminum
Lettering field size: 49 x 15 mm	aluminum
Lettering field size: 60 x 15 mm	aluminum
Lettering field size: 60 x 30 mm	aluminum
Lettering field size: 85.6 x 54 mm	aluminum
Lettering field size: 100 x 60 mm	aluminum



Magazine, for BLUEMARK CLED for accommodating EMP-AL (27X15), EMLP-AL (27X15)
for accommodating EMP-AL (27X18), EMLP-AL (27X18)
for accommodating EMP-AL (49X15), EMLP-AL (49X15), EMSP-AL (39X15)
for accommodating EMP-AL (60X15), EMLP-AL (60X15), EMSP-AL (50X15)
for accommodating EMP-AL (60X30), EMLP-AL (60X30), and ...-EX versions, EMSP-AL (50X30)
for accommodating EMP-AL (85,6X54), EMLP-AL (85,6X54), and ...-EX versions, EMSP-AL (75,6X54)
for accommodating EMLP-AL (100X60) and ...-EX versions, EMSP-AL (90X60)

- By using modern UV LED printing technology, a highly resistant and optimum printing quality can be achieved, which is resistant to solvents and suitable for use even under harsh industrial conditions

- In conjunction with magazines, optimum printing accuracy is guaranteed



Aluminum, material thickness: 0.8 mm

Technical data

BLUEMARK CLED
Aluminum
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs. / Pkt.
EMLP-AL (27X15)	0830508	90
EMLP-AL (27X18)	0830509	90
EMLP-AL (49X15)	0830511	45
EMLP-AL (60X15)	0830512	45
EMLP-AL (60X30)	0830513	45
EMLP-AL (85,6X54)	0830514	15
EMLP-AL (100X60)	0830515	15

Accessories

BLUEMARK MAG EM-M (27X15)	0802736	1
BLUEMARK MAG EM-M (27X18)	0802737	1
BLUEMARK MAG EM-M (49X15)	0802738	1
BLUEMARK MAG EM-M (60X15)	0802739	1
BLUEMARK MAG EM-M (60X30)	0802740	1
BLUEMARK MAG EM-M (85,6X54)	0802741	1
BLUEMARK MAG EM-M (100X60)	0802742	1

Device marking

Aluminum device marking for screwing or riveting

Can be marked using:



UV LED technology



Aluminum, material thickness: 0.8 mm

- The aluminum EMSP-AL... product range includes markers that can be quickly and easily fitted with screws or rivets and is characterized by:
- High-quality appearance
- The markers can be marked quickly, easily, and cost-effectively with the BLUEMARK CLED
- By using modern UV LED printing technology, a highly resistant and optimum printing quality can be achieved, which is resistant to solvents and suitable for use even under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark EMSP ... markers according to your requirements
- In conjunction with magazines, optimum printing accuracy is guaranteed

Notes:

For corresponding rivets for fixing the EMSP-AL ..., see page 368.

For drilling diagrams, visit phoenixcontact.net/products

General data

Can be marked using

Material

Wipe resistance

Description	Color
Marking label, aluminum, 0.8 mm thick, with mounting holes 3.2 mm in diameter	
Lettering field size: 39 x 15 mm	aluminum
Lettering field size: 50 x 15 mm	aluminum
Lettering field size: 50 x 30 mm	aluminum
Lettering field size: 75.6 x 54 mm	aluminum
Lettering field size: 90 x 60 mm	aluminum

Magazine, for BLUEMARK CLED

for accommodating EMP-AL (49X15), EMLP-AL (49X15), EMSP-

AL (39X15)

for accommodating EMP-AL (60X15), EMLP-AL (60X15), EMSP-

AL (50X15)

for accommodating EMP-AL (60X30), EMLP-AL (60X30), and ...-

EX versions, EMSP-AL (50X30)

for accommodating EMP-AL (85,6X54), EMLP-AL (85,6X54), and

...-EX versions, EMSP-AL (75,6X54)

for accommodating EMLP-AL (100X60) and ...-EX versions,
EMSP-AL (90X60)

Technical data

BLUEMARK CLED

Aluminum

DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs. / Pkt.
EMSP-AL (39X15)	0830510	45
EMSP-AL (50X15)	0830773	45
EMSP-AL (50X30)	0830502	45
EMSP-AL (75,6X54)	0830503	15
EMSP-AL (90X60)	0830504	15

Accessories

BLUEMARK MAG EM-M (49X15)	0802738	1
BLUEMARK MAG EM-M (60X15)	0802739	1
BLUEMARK MAG EM-M (60X30)	0802740	1
BLUEMARK MAG EM-M (85,6X54)	0802741	1
BLUEMARK MAG EM-M (100X60)	0802742	1

Aluminum device marking for snapping into marker carriers

Can be marked using:



UV LED technology

PRINTED
FOR YOU



Aluminum, material thickness: 0.8 mm



- The aluminum EMP-AL ... product range includes markers that can be quickly and easily fitted into existing CARRIER-EMP ... label frames and is characterized by:
- The markers can be marked quickly, easily, and cost-effectively with the BLUEMARK CLED
- By using modern UV LED printing technology, a highly resistant and optimum printing quality can be achieved, which is resistant to solvents and suitable for use even under harsh industrial conditions
- In conjunction with magazines, optimum printing accuracy is guaranteed
- Marking service: Phoenix Contact can custom-mark all EMLP ... markers according to your requirements

General data

Can be marked using
Material
Wipe resistance

Description	Color
Marking label, aluminum , 0.8 mm thick, can be snapped into marker carriers	
Lettering field size: 27 x 15 mm	aluminum
Lettering field size: 27 x 18 mm	aluminum
Lettering field size: 49 x 15 mm	aluminum
Lettering field size: 60 x 15 mm	aluminum
Lettering field size: 60 x 30 mm	aluminum
Lettering field size: 85.6 x 54 mm	aluminum

Magazine, for BLUEMARK CLED

for accommodating EMP-AL (27X15), EMLP-AL (27X15)

for accommodating EMP-AL (27X18), EMLP-AL (27X18)

for accommodating EMP-AL (49X15), EMLP-AL (49X15), EMSP-AL (39X15)

for accommodating EMP-AL (60X15), EMLP-AL (60X15), EMSP-AL (50X15)

for accommodating EMP-AL (60X30), EMLP-AL (60X30), and ...-EX versions, EMSP-AL (50X30)

for accommodating EMP-AL (85,6X54), EMLP-AL (85,6X54), and ...-EX versions, EMSP-AL (75,6X54)

Technical data

BLUEMARK CLED
Aluminum
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs. / Pkt.
EMP-AL (27X15)	0830776	90
EMP-AL (27X18)	0830777	90
EMP-AL (49X15)	0830778	45
EMP-AL (60X15)	0830779	45
EMP-AL (60X30)	0830796	45
EMP-AL (85,6X54)	0830797	15

Accessories

BLUEMARK MAG EM-M (27X15)	0802736	1
BLUEMARK MAG EM-M (27X18)	0802737	1
BLUEMARK MAG EM-M (49X15)	0802738	1
BLUEMARK MAG EM-M (60X15)	0802739	1
BLUEMARK MAG EM-M (60X30)	0802740	1
BLUEMARK MAG EM-M (85,6X54)	0802741	1



Device marking

UniCard stick-on device marking

Can be marked using:



UV LED technology



Plotter



Unmarked or marked according to customer specifications

- The UC-EMLP ... UniCard marking range includes self-adhesive device markers with good adhesive properties
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The format automatically ensures printing with a high level of positional accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space to include function texts

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, with self-adhesive plastic labels				
10-part, lettering field size: 11 x 9 mm	white	UC-EMLP (11X9)	0819291	10
	yellow	UC-EMLP (11X9) YE	0822602	10
	silver	UC-EMLP (11X9) SR	0828094	10
10-section, lettering field size: 15 x 5 mm	white	UC-EMLP (15X5)	0819301	10
	yellow	UC-EMLP (15X5) YE	0822615	10
	silver	UC-EMLP (15X5) SR	0828095	10
10-section, lettering field size: 17 x 9 mm	white	UC-EMLP (17X9)	0819314	10
	yellow	UC-EMLP (17X9) YE	0822628	10
	silver	UC-EMLP (17X9) SR	0828096	10
10-section, lettering field size: 17 x 15 mm	white	UC-EMLP (17X15)	0827885	10
	yellow	UC-EMLP (17X15) YE	0827886	10
	silver	UC-EMLP (17X15) SR	0827887	10
10-section, lettering field size: 20 x 8 mm	white	UC-EMLP (20X8)	0819327	10
	yellow	UC-EMLP (20X8) YE	0822631	10
	silver	UC-EMLP (20X8) SR	0828097	10
6-section, lettering field size: 22 x 22 mm	white	UC-EMLP (22X22)	0825463	10
	yellow	UC-EMLP (22X22) YE	0825464	10
	silver	UC-EMLP (22X22) SR	0825465	10
8-section, lettering field size: 27 x 12.5 mm	white	UC-EMLP (27X12,5)	0825469	10
	yellow	UC-EMLP (27X12,5) YE	0825470	10
	silver	UC-EMLP (27X12,5) SR	0825471	10
	blue	UC-EMLP (27X12,5) BU	0830853	10
	green	UC-EMLP (27X12,5) GN	0830854	10
8-section, lettering field size: 27 x 15 mm	white	UC-EMLP (27X15)	0827894	10
	yellow	UC-EMLP (27X15) YE	0827895	10
	silver	UC-EMLP (27X15) SR	0827896	10
8-section, lettering field size: 27 x 18 mm	white	UC-EMLP (27X18)	0825475	10
	yellow	UC-EMLP (27X18) YE	0825476	10
	silver	UC-EMLP (27X18) SR	0825477	10
6-section, lettering field size: 27 x 27 mm	white	UC-EMLP (27X27)	0825481	10
	yellow	UC-EMLP (27X27) YE	0825482	10
	silver	UC-EMLP (27X27) SR	0825483	10
4-section, lettering field size: 49 x 15 mm	white	UC-EMLP (49X15)	0827903	10
	silver	UC-EMLP (49X15) SR	0827905	10
	yellow	UC-EMLP (49X15) YE	0827904	10
4-section, lettering field size: 60 x 15 mm	white	UC-EMLP (60X15)	0819330	10
	yellow	UC-EMLP (60X15) YE	0822644	10
	silver	UC-EMLP (60X15) SR	0828088	10
3-section, lettering field size: 60 x 30 mm	white	UC-EMLP (60X30)	0819343	10
	yellow	UC-EMLP (60X30) YE	0822657	10
	silver	UC-EMLP (60X30) SR	0828091	10

Magazine, for CMS-P1-PLOTTER

Accessories

P1 UC-MAG 6	5146121	1
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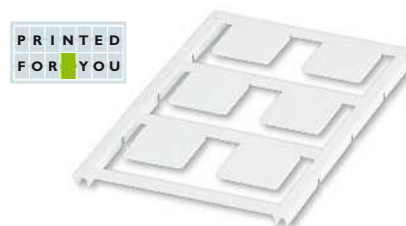


Stick-on UniCard device marking for applications in process engineering

Can be marked using:



UV LED technology



Unmarked or marked according to customer specifications

- The UC-EMLP...-EX UniCard marking range includes self-adhesive device markers with good adhesive properties
- The marking requirements in terms of legibility, adhesion, and wipe resistance in potentially explosive areas (ATEX), according to IEC/EN 60079-0, can also be ensured following storage in typical gas atmospheres. Phoenix Contact developed these sheets especially for process engineering which is where these requirements typically arise. These sheets meet the requirements for wipe resistance according to DIN EN 61010-1 against aggressive media such as acetone, ethanol, and MEK
- Thanks to the special adhesive, the marker meets the demanding requirements of process engineering
- The markers can be marked quickly, easily, and inexpensively with the BLUEMARK CLED and LED
- By using modern UV LED printing technology, a highly resistant and optimum printing quality can be achieved, which is resistant to solvents and suitable for use even under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

BLUEMARK CLED • BLUEMARK LED
PA
V2
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Description	Color
UniCard, with self-adhesive plastic labels	
6-section, lettering field size: 22 x 22 mm	white
8-section, lettering field size: 27 x 18 mm	white
6-section, lettering field size: 27 x 27 mm	white
4-section, lettering field size: 49 x 15 mm	white
3-section, lettering field size: 60 x 30 mm	white

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-EMLP (22X22)-EX	0803224	10
UC-EMLP (27X18)-EX	0803225	10
UC-EMLP (27X27)-EX	0803226	10
UC-EMLP (49X15)-EX	0803227	10
UC-EMLP (60X30)-EX	0803228	10

Marking and labeling - MARKING system

Device marking

UniCard device marking for screwing or riveting

Can be marked using:



UV LED technology



Plotter



Unmarked or marked according to customer specifications

- The UC-EMSP ... UniCard marking range includes markers that can be attached using screws or rivets
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The format automatically ensures printing with a high level of positional accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

Corresponding rivet for fixing the UC-EMSP ..., see page 368.

For drilling diagrams, visit phoenixcontact.net/products.

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Description	Color
UniCard , plastic labels with mounting holes 3.2 mm in diameter	
4-section, lettering field size: 50 x 15 mm	white
	yellow
	silver
	blue
	red
3-section, lettering field size: 50 x 30 mm	white
	yellow
	silver

Magazine, for CMS-P1-PLOTTER

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-EMSP (50X15)	0828706	10
UC-EMSP (50X15) YE	0828707	10
UC-EMSP (50X15) SR	0828708	10
UC-EMSP (50X15) BU	0803134	10
UC-EMSP (50X15) RD	0803135	10
UC-EMSP (50X30)	0828709	10
UC-EMSP (50X30) YE	0828710	10
UC-EMSP (50X30) SR	0828711	10

Accessories

P1 UC-MAG 6	5146121	1
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UniCard device marking that can be snapped into marker carriers

Can be marked using:



UV LED technology



Plotter



Unmarked or marked according to customer specifications



- The UC-EMP ... UniCard marking range includes markers that can be fitted into existing CARRIER-EMP ... label frames
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The format automatically ensures printing with a high level of positional accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

Matching label frames, see page 286.

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard , 1.2 mm thick				
8-section, lettering field size: 17 x 15 mm	white	UC-EMP (17X15)	0825421	10
	yellow	UC-EMP (17X15) YE	0825422	10
	silver	UC-EMP (17X15) SR	0825423	10
8-section, lettering field size: 27 x 15 mm	white	UC-EMP (27X15)	0825439	10
	yellow	UC-EMP (27X15) YE	0825440	10
	silver	UC-EMP (27X15) SR	0825441	10
4-section, lettering field size: 49 x 15 mm	white	UC-EMP (49X15)	0825457	10
	yellow	UC-EMP (49X15) YE	0825458	10
	silver	UC-EMP (49X15) SR	0825459	10
4-section, lettering field size: 60 x 15 mm	white	UC-EMP (60X15)	0822259	10
	yellow	UC-EMP (60X15) YE	0825330	10
	silver	UC-EMP (60X15) SR	0827647	10
3-section, lettering field size: 60 x 30 mm	white	UC-EMP (60X30)	0822275	10
	yellow	UC-EMP (60X30) YE	0825331	10
	silver	UC-EMP (60X30) SR	0827648	10

Accessories

Magazine , for CMS-P1-PLOTTER		
P1 UC-MAG 6	5146121	1

Device marking

UniCard device marking that can be snapped into marker carriers

Can be marked using:



UV LED technology



Plotter



Unmarked or marked according to customer specifications

- The UC-EMP ... UniCard marking range includes markers for all applications
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The format automatically ensures printing with a high level of positional accuracy
- The UC-EMP ... device markers are ideal for fitting into existing CARRIER-EMP ... label frames
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space to include function texts

Notes:

Matching label frames, see page 286.

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, 1.2 mm thick 10-section, lettering field size: 27 x 8 mm	white	UC-EMP (27X8)	0825427	10
	yellow	UC-EMP (27X8) YE	0825428	10
	silver	UC-EMP (27X8) SR	0825429	10
8-section, lettering field size: 27 x 12.5 mm	white	UC-EMP (27X12,5)	0825433	10
	yellow	UC-EMP (27X12,5) YE	0825434	10
	silver	UC-EMP (27X12,5) SR	0825435	10
8-section, lettering field size: 27 x 15 mm	white	UC-EMP (27X15)	0825439	10
	yellow	UC-EMP (27X15) YE	0825440	10
	silver	UC-EMP (27X15) SR	0825441	10
8-section, lettering field size: 27 x 18 mm	white	UC-EMP (27X18)	0825445	10
	yellow	UC-EMP (27X18) YE	0825446	10
	silver	UC-EMP (27X18) SR	0825447	10
6-section, lettering field size: 27 x 27 mm	white	UC-EMP (27X27)	0825451	10
	yellow	UC-EMP (27X27) YE	0825452	10
	silver	UC-EMP (27X27) SR	0825453	10

Accessories

Magazine, for CMS-P1-PLOTTER

P1 UC-MAG 6	5146121	1
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UniCard snap-in device marking for devices from various manufacturers

Can be marked using:



UV LED technology



Plotter



Unmarked or marked according to customer specifications



- The UC-EM ... UniCard marking range includes markers for devices and switching devices from a wide variety of manufacturers
- An overview of the devices that support marking plus their manufacturers can be found starting on page 292
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The format automatically ensures printing with a high level of positional accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

General data

Can be marked using	
Number of individual labels	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
20
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color
UniCard , for marking devices from the following manufacturers: Siemens	
Lettering field size: 10 x 7 mm	white
Lettering field size: 10 x 7 mm	turquoise
UniCard , for marking devices from the following manufacturers: Bosch/Rexroth, ifm-electronic, Lumberg, Pepperl & Fuchs, Siemens	
Lettering field size: 10 x 8 mm	white
Lettering field size: 10 x 8 mm	turquoise
UniCard , for marking devices from the following manufacturers: ABB, Lumberg	
Lettering field size: 17.5 x 7.5 mm	white
UniCard , for marking devices from the following manufacturers: ABB, ifm-electronic, Moeller, Murr Elektronik	
Lettering field size: 17.5 x 8 mm	white

Type	Order No.	Pcs. / Pkt.
UC-EM (10X7)	0825487	10
UC-EM (10X7) TQ	0825488	10
UC-EM (10X8)	0825491	10
UC-EM (10X8) TQ	0825492	10
UC-EM (17,5X7,5)	0825495	10
UC-EM (17,5X8)	0823766	10

Accessories

Magazine, for CMS-P1-PLOTTER

P1 UC-MAG 6	5146121	1
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Device marking

UniCard snap-in device marking for devices from various manufacturers

Can be marked using:



UV LED technology



Plotter



Unmarked or marked according to customer specifications

- The UC-EM ... UniCard marking range includes markers for devices and switching devices from a wide variety of manufacturers
- An overview of the devices that support marking plus their manufacturers can be found starting on page 292
- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK
- The format automatically ensures printing with a high level of positional accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

General data

Can be marked using	
Number of individual labels	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
20
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color
UniCard , for marking devices from the following manufacturers: Murr Elektronik, Phoenix Contact, Weidmüller	
Lettering field size: 17.5 x 9 mm	white yellow
UniCard , for marking devices from the following manufacturers: Schneider Electric, ifm-electronic	
Lettering field size: 18 x 8 mm	white
UniCard , for marking devices from the following manufacturers: Lumberg, Weidmüller	
Lettering field size: 19 x 9 mm	white yellow
UniCard , for marking devices from the following manufacturers: Harting, ifm-electronic, Phoenix Contact, Siemens	
Lettering field size: 20 x 7 mm	white turquoise

Type	Order No.	Pcs. / Pkt.
UC-EM (17,5X9)	0827490	10
UC-EM (17,5X9) YE	0827494	10
UC-EM (18X8)	0825497	10
UC-EM (19X9)	0827492	10
UC-EM (19X9) YE	0827496	10
UC-EM (20X7)	0825499	10
UC-EM (20X7) TQ	0825500	10

Accessories

Magazine, for CMS-P1-PLOTTER

P1 UC-MAG 6	5146121	1
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UniCard snap-in device marking for devices from various manufacturers



Unmarked or marked according to customer specifications

General data		Technical data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER		
Number of individual labels		20		
Material		PA		
Inflammability class according to UL 94		V2		
Temperature range	[°C]	-40 ... 120		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard , for marking devices from the following manufacturers: ABB, Conta-Clip, Escha, Festo, ifm-electronik, Harting, Moeller, Phoenix Contact, Siemens				
Lettering field size: 20 x 9 mm	white	UC-EM (20X9)	0825503	10
Lettering field size: 20 x 9 mm	yellow	UC-EM (20X9) YE	0827637	10
Lettering field size: 20 x 9 mm	turquoise	UC-EM (20X9) TQ	0825504	10
UniCard , for marking devices for marking devices from the following manufacturers: Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 21 x 8 mm	white	UC-EM (21X8)	0825507	10
		Accessories		
Magazine , for CMS-P1-PLOTTER				
		P1 UC-MAG 5	5146118	1

Device marking

UniCard snap-in device marking for Axioline E series

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Unmarked or marked according to customer specifications

- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK CLED, TOPMARK LASER, and the THERMOMARK CARD
- The format automatically ensures printing with a high level of positional accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

General data	
Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Description	Color
UniCard, for marking Phoenix Contact devices, Axioline	
Lettering field size: 7 x 10 mm, 30 individual labels	white

Magazine, for THERMOMARK CARD ..., for accommodating UCT-WMT ... sheets, UCT-EM (17X10)

Technical data	
THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER	
PC	
V0	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
free from silicone, halogen, and cadmium	

Ordering data		
Type	Order No.	Pcs. / Pkt.
UCT-EM (7X10)	0830765	10

Accessories		
THERMOMARK CARD-UCT-MAG7	0801734	1

UniCard snap-in device marking for devices from various manufacturers



Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Unmarked or marked according to customer specifications

The UCT-EM ... UniCard marking range includes markers for devices and switchgear from a wide range of manufacturers.

- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK CLED, TOPMARK LASER, and the THERMOMARK CARD
- The format automatically ensures printing with a high level of positional accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space to include function texts
- An overview of the devices that support marking plus their manufacturers can be found starting on page 292
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

General data

Can be marked using

Material

Inflammability class according to UL 94

Temperature range

[°C]

Wipe resistance

Components

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER

PC

V0

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color
UniCard , for marking devices from the following manufacturers: CONTA-CLIP, Murr Elektronik, 66 individual markers	
Lettering field size: 5 x 10 mm	white
UniCard , for marking devices from the following manufacturers: CONTA-CLIP, Festo, Finder, 54 individual markers	
Lettering field size: 6 x 10 mm	white
UniCard , for marking devices from the following manufacturers: Beckhoff, Escha, Lumberg, Murr Elektronik, Pepperl & Fuchs, Turck, 54 individual markers	
Lettering field size: 10 x 5 mm	white
UniCard , for marking devices from the following manufacturers: Siemens, 54 individual markers	
Lettering field size: 10 x 7 mm	white
Lettering field size: 10 x 7 mm	turquoise
UniCard , for marking devices from the following manufacturers: Bosch/Rexroth, ifm-electronic, Lumberg, Pepperl & Fuchs, Siemens, 54 individual markers	
Lettering field size: 10 x 8 mm	white
Lettering field size: 10 x 8 mm	turquoise

Type	Order No.	Pcs. / Pkt.
UCT-EM (5X10)	0801497	10
UCT-EM (6X10)	0801493	10
UCT-EM (10X5)	0801470	10
UCT-EM (10X7)	0801498	10
UCT-EM (10X7) TQ	0801499	10
UCT-EM (10X8)	0801485	10
UCT-EM (10X8) TQ	0801486	10

Accessories

Magazine , for THERMOMARK CARD ... for accommodating: UCT-TM ..., UCT1-TM ..., UCT5-TM ..., UCT-EM (5X10), UCT-EM (6X10)
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (10X5)
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (10 x 7), UCT-WMTB (29 x 8)
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (10X8), UCT-EM (12X7)

THERMOMARK CARD-UCT-MAG1	5146480	1
THERMOMARK CARD-UCT-MAG13	0830400	1
THERMOMARK CARD-UCT-MAG20	0830751	1
THERMOMARK CARD-UCT-MAG12	0830399	1

Device marking

UniCard snap-in device marking for devices from various manufacturers



The UCT-EM ... UniCard marking range includes markers for devices and switchgear from a wide range of manufacturers.

- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK CLED, TOPMARK LASER, and the THERMOMARK CARD
- The format automatically ensures printing with a high level of positional accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space to include function texts
- An overview of the devices that support marking plus their manufacturers can be found starting on page 292
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking

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Unmarked or marked according to customer specifications

General data

Can be marked using

Number of individual labels

Material

Inflammability class according to UL 94

Temperature range

[°C]

Wipe resistance

Components

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER

30

PC

V0

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color
UniCard , for marking devices from the following manufacturers: Bernecke + Rainer	
Lettering field size: 12 x 3.3 mm	white
UniCard , for marking devices from the following manufacturers: Bernecke + Rainer	
Lettering field size: 12 x 6 mm	white
UniCard , for marking devices from the following manufacturers: Beckhoff, Wago	
Lettering field size: 12 x 7 mm	white
UniCard , for marking devices from the following manufacturers: Siemens	
Lettering field size: 15 x 10 mm	white

Type	Order No.	Pcs. / Pkt.
UCT-EM (12X3,3)	0801502	10
UCT-EM (12X6)	0801503	10
UCT-EM (12X7)	0801501	10
UCT-EM (15X10)	0801504	10

Accessories

Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (12X3.3), UCT-EM (12X6)
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (12X3.3), UCT-EM (12X6)
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (10X8), UCT-EM (12X7)
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (17,5X8), UCT-EM (20X7), UCT-EM (15X10)

THERMOMARK CARD-UCT-MAG9	0801736	1
THERMOMARK CARD-UCT-MAG9	0801736	1
THERMOMARK CARD-UCT-MAG12	0830399	1
THERMOMARK CARD-UCT-MAG8	0801735	1

UniCard snap-in device marking for devices from various manufacturers

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Unmarked or marked according to customer specifications

General data		Technical data		
Can be marked using		THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER		
Number of individual labels		24		
Material		PC		
Inflammability class according to UL 94		V0		
Temperature range		-40 ... 120 [°C]		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard , for marking devices from the following manufacturers: ABB, Festo, Finder, Murr Elektronik, Wago				
Lettering field size: 17 x 9 mm	white	UCT-EM (17X9)	0801475	10
Lettering field size: 17 x 9 mm	yellow	UCT-EM (17X9) YE	0801476	10
UniCard , for marking devices from the following manufacturers: Allen Bradley, Festo				
Lettering field size: 17 x 10 mm	white	UCT-EM (17X10)	0801483	10
Lettering field size: 17 x 10 mm	yellow	UCT-EM (17X10) YE	0801484	10
UniCard , for marking devices from the following manufacturers: ABB, Lumberg				
Lettering field size: 17.5 x 7.5 mm	white	UCT-EM (17,5X7,5)	0801482	10
UniCard , for marking devices from the following manufacturers: ABB, Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 17 x 8 mm	white	UCT-EM (17X8)	0801842	10
		Accessories		
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (17 x 9)		THERMOMARK CARD-UCT-MAG16	0830403	1
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (17X10) and (20X8)		THERMOMARK CARD-UCT-MAG11	0801738	1
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (17,5X7,5)		THERMOMARK CARD-UCT-MAG18	0830405	1
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (21X8) and UCT EM (17X8)		THERMOMARK CARD-UCT-MAG14	0830401	1

Device marking

UniCard snap-in device marking for devices from various manufacturers



The UCT-EM ... UniCard marking range includes markers for devices and switchgear from a wide range of manufacturers.

- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK CLED, TOPMARK LASER, and the THERMOMARK CARD
- The format automatically ensures printing with a high level of positional accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space to include function texts
- An overview of the devices that support marking plus their manufacturers can be found starting on page 292
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Can be marked using:



Thermal transfer for sheets and cards



UV LED technology



Direct laser marking



Unmarked or marked according to customer specifications

General data

Can be marked using

Number of individual labels

Material

Inflammability class according to UL 94

Temperature range

[°C]

Wipe resistance

Components

Technical data

THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER

24

PC

V0

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color
UniCard , for marking devices from the following manufacturers: ABB, ifm-electronic, Moeller, Murr Elektronik	
Lettering field size: 17.5 x 8 mm	white
UniCard , for marking devices from the following manufacturers: Murr Elektronik, Phoenix Contact, Weidmüller	
Lettering field size: 17.5 x 9 mm	white
Lettering field size: 17.5 x 9 mm	yellow
UniCard , for marking devices from the following manufacturers: ABB, Schneider Electric, ifm-electronic, Murr Elektronik	
Lettering field size: 18 x 8 mm	white
UniCard , for marking devices from the following manufacturers: ifm-electronic, Phoenix Contact, Siemens	
Lettering field size: 20 x 7 mm	white
Lettering field size: 20 x 7 mm	turquoise

Type	Order No.	Pcs. / Pkt.
UCT-EM (17,5X8)	0801496	10
UCT-EM (17,5X9)	0801491	10
UCT-EM (17,5X9) YE	0801492	10
UCT-EM (18X8)	0801488	10
UCT-EM (20X7)	0801494	10
UCT-EM (20X7) TQ	0801495	10

Accessories

Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (17,5X8), UCT-EM (20X7), UCT-EM (15X10)
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (17,5X9)
Magazine , for THERMOMARK CARD ... for accommodating UCT-EM (18 x 8)

THERMOMARK CARD-UCT-MAG8	0801735	1
THERMOMARK CARD-UCT-MAG22	0830771	1
THERMOMARK CARD-UCT-MAG17	0830404	1

UniCard snap-in device marking for devices from various manufacturers

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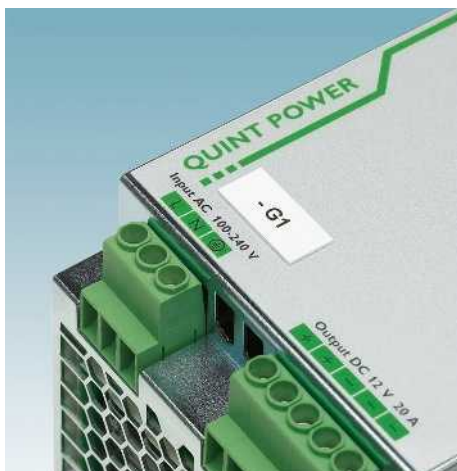
Unmarked or marked according to customer specifications

		Technical data		
General data		THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER		
Can be marked using		24		
Number of individual labels		PC		
Material		V0		
Inflammability class according to UL 94		-40 ... 120		
Temperature range		[°C]		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Free from silicone and halogen		
Ordering data				
Description		Type	Order No.	Pcs. / Pkt.
UniCard, for marking devices from the following manufacturers: Escha, Murr Elektronik, Turck		UCT-EM (20X8)	0801477	10
Lettering field size: 20 x 8 mm				
UniCard, for marking devices from the following manufacturers: ABB, Conta-Clip, Escha, Festo, ifm-electronic, Lumberg, Moeller, Murr Elektronik, Pepperl & Fuchs, Phoenix Contact, Siemens, Turck, Weidmüller				
Lettering field size: 20 x 8 mm				
Lettering field size: 20 x 9 mm		UCT-EM (20X9) UCT-EM (20X9) TQ UCT-EM (20X9) YE	0801471 0801473 0801472	10 10 10
Lettering field size: 20 x 9 mm				
UniCard, for marking devices from the following manufacturers: ABB, Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 21 x 8 mm				
Lettering field size: 21 x 8 mm		UCT-EM (21X8)	0801489	10
Accessories				
Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (17X10) and (20X8)		THERMOMARK CARD-UCT-MAG11	0801738	1
for accommodating UCT-EM (20 x 9)		THERMOMARK CARD-UCT-MAG15	0830402	1
Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (21X8) and UCT EM (17X8)		THERMOMARK CARD-UCT-MAG14	0830401	1

Device marking

UniSheet stick-on device marking

Can be marked using:



Thermal transfer for sheets and cards



Unmarked or marked according to customer specifications

- The US-EMLP ... UniSheet marking range includes self-adhesive device markers with good adhesive properties in different sizes for:
- Device marking
- Module marking
- Switchgear marking
- The markers, which are supplied in uniform sheets, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space to include function texts
- For more label sizes, visit phoenixcontact.net/products

Marking of power circuit breakers, for example:

- 8.8 x 15 mm for ABB, Schneider Electric
- 17 x 15 mm for ABB, Hager, Legrand
- 35 x 15 mm for ABB, Legrand, Schneider Electric
- 52.5 x 15 mm for ABB, Legrand, Schneider Electric
- 70 x 15 mm for Legrand, Schneider Electric

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

THERMOMARK CARD
PVC
V0
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet , with self-adhesive plastic labels, 0.5 mm thick				
88-section, lettering field size: 8.8 x 15 mm	white	US-EMLP (8,8X15)	0830303	10
	yellow	US-EMLP (8,8X15) YE	0830316	10
	red	US-EMLP (8,8X15) RD	0830318	10
	silver	US-EMLP (8,8X15) SR	0830317	10
135-section, lettering field size: 11 x 9 mm	white	US-EMLP (11X9)	0828789	10
	yellow	US-EMLP (11X9) YE	0828871	10
	silver	US-EMLP (11X9) SR	0828872	10
189-section, lettering field size: 15 x 5 mm	white	US-EMLP (15X5)	0828790	10
	yellow	US-EMLP (15X5) YE	0828873	10
	silver	US-EMLP (15X5) SR	0828874	10
108-section, lettering field size: 17 x 7 mm	white	US-EMLP (17X7)	0828792	10
	yellow	US-EMLP (17X7) YE	0828877	10
	silver	US-EMLP (17X7) SR	0828878	10
54-section, lettering field size: 17 x 15 mm	white	US-EMLP (17,5X15)	0830839	10
	yellow	US-EMLP (17X15) YE	0828879	10
	silver	US-EMLP (17X15) SR	0828880	10
75-section, lettering field size: 20 x 9 mm	white	US-EMLP (20X9)	0828795	10
	yellow	US-EMLP (20X9) YE	0828883	10
	silver	US-EMLP (20X9) SR	0828884	10
24-section, lettering field size: 22 x 22 mm	white	US-EMLP (22X22)	0828796	10
	yellow	US-EMLP (22X22) YE	0828885	10
	silver	US-EMLP (22X22) SR	0828886	10
51-section, lettering field size: 27 x 8 mm	white	US-EMLP (27X8)	0828797	10
	yellow	US-EMLP (27X8) YE	0828889	10
	silver	US-EMLP (27X8) SR	0828890	10
30-section, lettering field size: 27 x 12.5 mm	white	US-EMLP (27X12,5)	0828798	10
	yellow	US-EMLP (27X12,5) YE	0828891	10
	silver	US-EMLP (27X12,5) SR	0828892	10
27-section, lettering field size: 27 x 15 mm	white	US-EMLP (27X15)	0828799	10
	yellow	US-EMLP (27X15) YE	0828893	10
	silver	US-EMLP (27X15) SR	0828894	10

Magazine, for THERMOMARK CARD..., for accommodating all US-materials

Accessories

THERMOMARK CARD-US-MAG1	5146451	1
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UniSheet stick-on device marking

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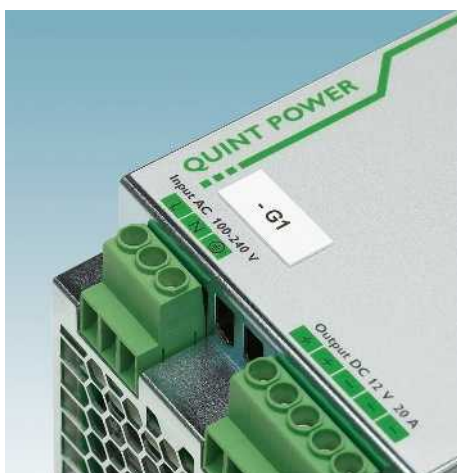
Unmarked or marked according to customer specifications

General data		Technical data		
Can be marked using		THERMOMARK CARD		
Material		PVC		
Inflammability class according to UL 94		V0		
Temperature range	[°C]	-30 ... 80		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Silicone-free		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet , with self-adhesive plastic labels, 0.5 mm thick				
21-section, lettering field size: 27 x 18 mm	white	US-EMLP (27X18)	0828800	10
	yellow	US-EMLP (27X18) YE	0828895	10
	silver	US-EMLP (27X18) SR	0828896	10
15-section, lettering field size: 27 x 27 mm	white	US-EMLP (27X27)	0828801	10
	yellow	US-EMLP (27X27) YE	0828897	10
	silver	US-EMLP (27X27) SR	0828898	10
45-section, lettering field size: 35 x 9 mm	white	US-EMLP (35X9)	0828802	10
	yellow	US-EMLP (35X9) YE	0828899	10
	silver	US-EMLP (35X9) SR	0829430	10
27-section, lettering field size: 35 x 15 mm	white	US-EMLP (35X15)	0830300	10
	yellow	US-EMLP (35X15) YE	0830319	10
	red	US-EMLP (35X15) RD	0830321	10
	silver	US-EMLP (35X15) SR	0830320	10
28-section, lettering field size: 40 x 10 mm	white	US-EMLP (40X10)	0830341	10
	yellow	US-EMLP (40X10) YE	0830342	10
	silver	US-EMLP (40X10) SR	0830328	10
18-section, lettering field size: 49 x 15 mm	white	US-EMLP (49X15)	0828803	10
	yellow	US-EMLP (49X15) YE	0828901	10
	silver	US-EMLP (49X15) SR	0828902	10
16-section, lettering field size: 52.5 x 15 mm	white	US-EMLP (52,5X15)	0830301	10
	yellow	US-EMLP (52,5X15) YE	0830322	10
	red	US-EMLP (52,5X15) RD	0830324	10
	silver	US-EMLP (52,5X15) SR	0830323	10
9-section, lettering field size: 60 x 15 mm	white	US-EMLP (60X15)	0828804	10
	yellow	US-EMLP (60X15) YE	0828903	10
	silver	US-EMLP (60X15) SR	0828904	10
4-section, lettering field size: 60 x 30 mm	white	US-EMLP (60X30)	0828805	10
	yellow	US-EMLP (60X30) YE	0828905	10
	silver	US-EMLP (60X30) SR	0828906	10
8-section, lettering field size: 70 x 15 mm	white	US-EMLP (70X15)	0830302	10
	yellow	US-EMLP (70X15) YE	0830325	10
	red	US-EMLP (70X15) RD	0830327	10
	silver	US-EMLP (70X15) SR	0830326	10
2-section, lettering field size: 85.6 x 54 mm	white	US-EMLP (85,6X54)	0828806	10
	yellow	US-EMLP (85,6X54) YE	0828907	10
	silver	US-EMLP (85,6X54) SR	0828908	10
	red	US-EMLP (85,6X54) RD	0830841	10
2-section, lettering field size: 100 x 60 mm	white	US-EMLP (100X60)	0828807	10
	yellow	US-EMLP (100X60) YE	0828909	10
	silver	US-EMLP (100X60) SR	0828910	10
1-section, lettering field size: 104 x 135 mm	white	US-EMLP (104X135)	0830304	10
	yellow	US-EMLP (104X135) YE	0830305	10
	silver	US-EMLP (104X135) SR	0830306	10
		Accessories		
Magazine , for THERMOMARK CARD..., for accommodating all US-materials		THERMOMARK CARD-US-MAG1	5146451	1

Device marking

UniSheet device marking for sticking onto rough or textured surfaces

Can be marked using:



Thermal transfer for sheets and cards



Unmarked or marked according to customer specifications

- The US-EMLP-HA ... UniSheet marking range has excellent adhesive properties on rough, textured, and low-energy surfaces, thanks to the special adhesive
- The markers, which are supplied in uniform sheets, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all US-EMLP-HA ... markers according to your requirements

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

THERMOMARK CARD
PVC
V0
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Description	Color
UniSheet , with self-adhesive plastic labels, 0.5 mm thick	
108-section, lettering field size: 17 x 7 mm	white
70-section, lettering field size: 20 x 9 mm	white
4-section, lettering field size: 60 x 30 mm	white
4-section, lettering field size: 60 x 30 mm	silver
2-section, lettering field size: 85.6 x 54 mm	white
2-section, lettering field size: 85.6 x 54 mm	silver

Ordering data

Type	Order No.	Pcs. / Pkt.
US-EMLP-HA (17X7)	0830988	10
US-EMLP-HA (20X9)	0830989	10
US-EMLP-HA (60X30)	0830990	10
US-EMLP-HA (60X30) SR	0830991	10
US-EMLP-HA (85,6X54)	0830992	10
US-EMLP-HA (85,6X54) SR	0830993	10

Magazine, for THERMOMARK CARD..., for accommodating all US-materials

Accessories

THERMOMARK CARD-US-MAG1	5146451	1
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UniSheet device marking that can be snapped into marker carriers

Can be marked using:



Thermal transfer for sheets and cards



- The US-EMP ... UniSheet marking range includes markers that can be fitted into existing CARRIER EMP ... label frames
- The markers, which are supplied in uniform sheets, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space to include function texts

Notes:

Matching label frames, see page 286.

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Unmarked or marked according to customer specifications

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

THERMOMARK CARD
PVC
V0
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet , just 0.5 mm thick				
54-section, lettering field size: 17 x 15 mm	white	US-EMP (17X15)	0828774	10
	yellow	US-EMP (17X15) YE	0828842	10
	silver	US-EMP (17X15) SR	0828843	10
70-section, lettering field size: 20 x 9 mm	white	US-EMP (20X9)	0829439	10
84-section, lettering field size: 25 x 6 mm	white	US-EMP (25X6)-1	0802754	10
84-section, lettering field size: 26 x 6 mm	white	US-EMP (25X6)	0829435	10
51-section, lettering field size: 27 x 8 mm	white	US-EMP (27X8)	0828775	10
	yellow	US-EMP (27X8) YE	0828844	10
	silver	US-EMP (27X8) SR	0828845	10
30-section, lettering field size: 27 x 12.5 mm	white	US-EMP (27X12,5)	0828776	10
	yellow	US-EMP (27X12,5) YE	0828846	10
	silver	US-EMP (27X12,5) SR	0828847	10
27-section, lettering field size: 27 x 15 mm	white	US-EMP (27X15)	0828777	10
	yellow	US-EMP (27X15) YE	0828848	10
	silver	US-EMP (27X15) SR	0828849	10
21-section, lettering field size: 27 x 18 mm	white	US-EMP (27X18)	0828778	10
	yellow	US-EMP (27X18) YE	0828850	10
	silver	US-EMP (27X18) SR	0828851	10
15-section, lettering field size: 27 x 27 mm	white	US-EMP (27X27)	0828779	10
	yellow	US-EMP (27X27) YE	0828852	10
	silver	US-EMP (27X27) SR	0828853	10
21-section, lettering field size: 27.9 x 17.4 mm		US-EMP (27,9X17,4)	0830980	10
	silver	US-EMP (27,9X17,4) SR	0803300	10
48-section, lettering field size: 29 x 8 mm	white	US-EMP (29X8)	0829436	10
	yellow	US-EMP (29X8) YE	0829440	10
42-section, lettering field size: 35 x 9 mm	white	US-EMP (35X9)	0830842	10
	yellow	US-EMP (35X9) YE	0830843	10
	silver	US-EMP (35X9) SR	0830844	10
16-section, lettering field size: 40 x 17 mm	white	US-EMP (40X17)	0829437	10
40-section, lettering field size: 44 x 7 mm	white	US-EMP (44X7)	0829438	10
18-section, lettering field size: 49 x 15 mm	white	US-EMP (49X15)	0828780	10
	yellow	US-EMP (49X15) YE	0828854	10
	silver	US-EMP (49X15) SR	0828855	10
9-section, lettering field size: 60 x 15 mm	white	US-EMP (60X15)	0828781	10
	yellow	US-EMP (60X15) YE	0828856	10
	silver	US-EMP (60X15) SR	0828857	10
4-section, lettering field size: 60 x 30 mm	white	US-EMP (60X30)	0828782	10
	yellow	US-EMP (60X30) YE	0828858	10
	silver	US-EMP (60X30) SR	0828859	10
2-section, lettering field size: 85.6 x 54 mm	white	US-EMP (85,6X54)	0828783	10
	yellow	US-EMP (85,6X54) YE	0828860	10
	silver	US-EMP (85,6X54) SR	0828861	10
9-section, lettering field size: 100 x 15 mm	white	US-EMP (100X15)	0829521	10
	yellow	US-EMP (100X15) YE	0829522	10
	silver	US-EMP (100X15) SR	0829523	10

Magazine, for THERMOMARK CARD..., for accommodating all US-materials

Accessories

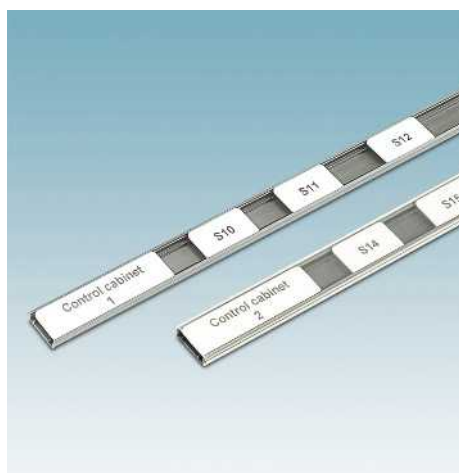
THERMOMARK CARD-US-MAG1	5146451	1
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Marking and labeling - MARKING system

Device marking

UniSheet device marking that can be snapped into marker carriers

Can be marked using:



Thermal transfer for sheets and cards



Unmarked or marked according to customer specifications

The US-EMP ... UniSheet device markers can be easily and individually snapped into the CARRIER(/L)-EMP (1000X15)... marker profile. They offer the following advantages and are suitable for the following:

- Device marking
- Module marking
- Switchgear marking
- The labels are available in different sizes corresponding to common device pitch measurements
- The markers, which are supplied in uniform sheets, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space to include function texts

Marking of power circuit breakers, for example:

- 8.8 x 15 mm for ABB, Schneider Electric
- 17 x 15 mm for ABB, Hager, Legrand
- 35 x 15 mm for ABB, Legrand, Schneider Electric
- 52.5 x 15 mm for ABB, Legrand, Schneider Electric
- 70 x 15 mm for Legrand, Schneider Electric

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

THERMOMARK CARD
PVC
V0
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet , 0.5 mm thick, can be marked with THERMOMARK CARD				
88-section, lettering field size: 8.8 x 15 mm	white	US-EMP (8,8X15)	0830293	10
	yellow	US-EMP (8,8X15) YE	0830426	10
	red	US-EMP (8,8X15) RD	0830428	10
	silver	US-EMP (8,8X15) SR	0830427	10
54-section, lettering field size: 17 x 15 mm	white	US-EMP (17X15)	0828774	10
	yellow	US-EMP (17X15) YE	0828842	10
	silver	US-EMP (17X15) SR	0828843	10
27-section, lettering field size: 27 x 15 mm	white	US-EMP (27X15)	0828777	10
	yellow	US-EMP (27X15) YE	0828848	10
	silver	US-EMP (27X15) SR	0828849	10
24-section, lettering field size: 35 x 15 mm	white	US-EMP (35X15)	0830295	10
	yellow	US-EMP (35X15) YE	0830307	10
	red	US-EMP (35X15) RD	0830309	10
	silver	US-EMP (35X15) SR	0830308	10
18-section, lettering field size: 49 x 15 mm	white	US-EMP (49X15)	0828780	10
	yellow	US-EMP (49X15) YE	0828854	10
	silver	US-EMP (49X15) SR	0828855	10
16-section, lettering field size: 52.5 x 15 mm	white	US-EMP (52,5X15)	0830296	10
	yellow	US-EMP (52,5X15) YE	0830310	10
	red	US-EMP (52,5X15) RD	0830312	10
	silver	US-EMP (52,5X15) SR	0830311	10
9-section, lettering field size: 60 x 15 mm	white	US-EMP (60X15)	0828781	10
	yellow	US-EMP (60X15) YE	0828856	10
	silver	US-EMP (60X15) SR	0828857	10
8-section, lettering field size: 70 x 15 mm	white	US-EMP (70X15)	0830297	10
	yellow	US-EMP (70X15) YE	0830313	10
	red	US-EMP (70X15) RD	0830315	10
	silver	US-EMP (70X15) SR	0830314	10
9-section, lettering field size: 100 x 15 mm	white	US-EMP (100X15)	0829521	10
	yellow	US-EMP (100X15) YE	0829522	10
	silver	US-EMP (100X15) SR	0829523	10

Profile, for screwing or riveting, 1000 mm long, for accommodating UC-... / US-... / EMT ... and EMP-AL material with a height of 15 mm

gray
transparent

Profile, self-adhesive, 1000 mm long, for accommodating UC-... / US-... / EMT ... and EMP-AL ... material with a height of 15 mm

gray
transparent

CARRIER cover, 1000 mm long

transparent

Magazine, for THERMOMARK CARD..., for accommodating all US-materials

Accessories

CARRIER-EMP (1000X15) GY	0829366	25
CARRIER-EMP (1000X15) TR	0829530	25
CARRIER/L-EMP (1000X15) GY	0829559	25
CARRIER/L-EMP (1000X15) TR	0829560	25
CARRIER-EMP (1000X15) COVER	0829520	25
THERMOMARK CARD-US-MAG1	5146451	1

UniSheet device marking for screwing or riveting

Can be marked using:



Thermal transfer for sheets and cards



Unmarked or marked according to customer specifications

- The US-EMSP ... UniSheet marking range includes markers that can be attached using screws or rivets
- The markers, which are supplied in uniform sheets, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers in accordance with your requirements

Notes:

For corresponding rivets for fixing the US-EMSP ..., see page 368.

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Description	Color
UniSheet , 0.5 mm thick, with mounting holes 3.2 mm in diameter	
4-section, lettering field size: 50 x 30 mm	white yellow silver
2-section, lettering field size: 75.6 x 54 mm	white yellow silver
2-section, lettering field size: 90 x 60 mm	white yellow silver red blue

Magazine, for THERMOMARK CARD..., for accommodating all US-materials

Technical data

THERMOMARK CARD
PVC
V0
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Type	Order No.	Pcs. / Pkt.
US-EMSP (50X30)	0828786	10
US-EMSP (50X30) YE	0828927	10
US-EMSP (50X30) SR	0828928	10
US-EMSP (75,6X54)	0828787	10
US-EMSP (75,6X54) YE	0828929	10
US-EMSP (75,6X54) SR	0828930	10
US-EMSP (90X60)	0828788	10
US-EMSP (90X60) YE	0828931	10
US-EMSP (90X60) SR	0828932	10
US-EMSP (90X60) RD	0802937	10
US-EMSP (90X60) BU	0803038	10

Accessories

THERMOMARK CARD-US-MAG1	5146451	1
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Marking and labeling - MARKING system

Device marking

UniSheet device marking for sticking on and additional screwing or riveting

Can be marked using:



Thermal transfer for sheets and cards



Unmarked or marked according to customer specifications

- The US-EMLSP ... UniSheet marking range includes adhesive markers which can also be attached with screws or rivets
- The markers, which are supplied in uniform sheets, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space to include function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers in accordance with your requirements

Notes:

For corresponding rivets for fixing the UC-EMLSP ..., see page 368.

For drilling diagrams, visit phoenixcontact.net/products

General data

Can be marked using
Material
Inflammability class according to UL 94
Temperature range
Wipe resistance
Components

[°C]

THERMOMARK CARD
PVC
V0
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Description

Color

UniSheet, with self-adhesive plastic labels, mounting holes with 3.2 mm diameter, 0.5 mm thick

Lettering field size: 28 x 10 mm

white
yellow
silver

Magazine, for THERMOMARK CARD..., for accommodating all US-materials

Technical data

Ordering data

Type	Order No.	Pcs. / Pkt.
US-EMLSP (28X10)	0830343	10
US-EMLSP (28X10) YE	0830344	10
US-EMLSP (28X10) SR	0830329	10

Accessories

THERMOMARK CARD-US-MAG1	5146451	1
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UniSheet device marking, stick-on labels

Can be marked using:



Thermal transfer for sheets and cards



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Unmarked or marked according to customer specifications

- The US-EML ... UniSheet marking ranges include markers for marking equipment in switchgear and systems manufacturing
- The markers, which are supplied in uniform sheets, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- The perforated markers and labels are easy to separate and can be easily fitted
- When used in conjunction with high-quality ink ribbons, they result in a highly resistant form of marking that is suitable for harsh environments
- The sheets provide space to include function texts
- The US-EML ... material is UL-listed

General data

Can be marked using
Material
Temperature range
Wipe resistance
Components

[°C]

Technical data

THERMOMARK CARD
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color
UniSheet , with self-adhesive labels	
80-section, lettering field size: 17.5 x 8 mm	white
	yellow
64-section, lettering field size: 20 x 8 mm	white
	yellow
34-section, lettering field size: 104 x 3.8 mm	white
1-section, lettering field size: 104 x 140 mm	white
	yellow
	silver

Type	Order No.	Pcs. / Pkt.
US-EML (17,5X8)	0800461	10
US-EML (17,5X8) YE	0800463	10
US-EML (20X8)	0800458	10
US-EML (20X8) YE	0800460	10
US-EML (104X3,8)	0800464	10
US-EML (104X140)	0800465	10
US-EML (104X140) YE	0800467	10
US-EML (104X140) SR	0800466	10

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US-materials

THERMOMARK CARD-US-MAG1	5146451	1
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Device marking

UniSheet - stick-on combi labels, unprinted

Can be marked using:



Thermal transfer for sheets and cards



Unmarked or marked according to customer specifications

The unmarked US-EMLF ... combi labels on US ... cards allow you to create custom information signs. A variety of symbols which conform to ISO 7010 are available in the CLIP PROJECT software. The markers offer the following features:

- High adhesive strength
- Suitable for indoor and outdoor use
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and inexpensively
- The format automatically ensures printing with a high level of positional accuracy
- The perforated markers are easy to separate

General data	
Can be marked using	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data	
THERMOMARK CARD	
PVC	
-40 ... 90	
DIN EN 61010-1 (VDE 0411-1)	
Silicone-free	

Description	Color
UniSheet , with self-adhesive labels, 2-section, lettering field size: 104 x 70 mm	
	white
	yellow
	blue
UniSheet , with self-adhesive labels, 1-section, lettering field size: 104 x 140 mm	
	white
	yellow
	blue

Ordering data		
Type	Order No.	Pcs. / Pkt.
US-EMLF (104X70) US-EMLF (104X70) YE US-EMLF (104X70) BU	1014294	10
	1014295	10
	1014296	10
US-EMLF (104X140) US-EMLF (104X140) YE US-EMLF (104X140) BU	1014291	10
	1014292	10
	1014293	10

Magazine , for THERMOMARK CARD..., for accommodating all US-materials
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Accessories		
THERMOMARK CARD-US-MAG1	5146451	1

Marking and labeling - MARKING system

Device marking

Stick-on device marking

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications, white

- EML ... self-adhesive device markers have been specially developed to allow the marking of various types of operating equipment in control, system, and control cabinet engineering applications
- Precise printing quality and good adhesive properties
- If high-quality ink ribbons are used, the marking is resistant to solvents, making it suitable for use even under harsh industrial conditions
- A wide range of marker sizes and colors are available for custom designs
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- The EML ... materials are UL-listed
- **Designation example: EML (10X4)R...**
Lettering field size: 10 x 4 mm
Type of packaging: roll

Notes:

The THERMOMARK ROLL-ERH external media hub is required for RL rolls, see under "Printers" on page 36.

For additional label sizes, see the product area on our website at phoenixcontact.net/products



General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Description

Labels

10,000 labels per roll
10,000 labels per roll
2500 labels per roll
2500 labels per roll
2500 labels per roll
10,000 labels per roll
2500 labels per roll
2500 labels per roll
2500 labels per roll
2500 labels per roll
2500 labels per roll
1000 labels per roll

Labels for thermal transfer printer

2500 labels per roll
2500 labels per roll
2500 labels per roll
2500 labels per roll
2500 labels per roll
1000 labels per roll
2500 labels per roll
2500 labels per roll
1000 labels per roll
2500 labels per roll
2500 labels per roll
2500 labels per roll

1000 labels per roll
1000 labels per roll
1000 labels per roll
1000 labels per roll
2500 labels per roll
1000 labels per roll
400 labels per roll
2500 labels per roll
1000 labels per roll
2500 labels per roll
1000 labels per roll
500 labels per roll
300 labels p. roll
250 labels p. roll

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1

Polyester

-40 ... 150

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
EML (10X4)R	0815583	1
EML (10X7)R	0816663	1
EML (15X6)R	0803275	1
EML (15X9)R	0815677	1
EML (16,5X5)R	0816702	1
EML (16X7)R	0818001	1
EML (17,5X8)R	0816744	1
EML (19X6)R	0816760	1
EML (20X8)R	0816786	1
EML (24X3)R	0830291	1
EML (24X4)R	0800061	1
EML (25,4X12,7)R	0816825	1
EML (30X20)R	0816922	1
EML (36X25)R	0803136	1
EML (38X17)R	0816951	1
EML (40X6)R	0830481	1
EML (40X8)R	0816980	1
EML (40X25)R	0818027	1
EML (51X25)R	0817028	1
EML (70X32)R	0817060	1
EML (70X50)R	0817099	1
EML (75X10)R	0830485	1
EML (80X20)R	0803138	1
EML (90X5)R	0817109	1
EML (105X23)R	0803137	1
EML (100X73)R	0817125	1
EML (100X90)R	0817154	1



Unmarked or marked according to customer specifications, yellow



Unmarked or marked according to customer specifications, silver



Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1

Polyester

-40 ... 150

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1

Polyester

-40 ... 150

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Ordering data

Type	Order No.	Pcs. / Pkt.
EML (10X7)R YE	0816676	1
EML (15X6) R YE	0819288	1
EML (15X9)R YE	0816045	1
EML (16,5X5)R YE	0816728	1
EML (16X7)R YE	0816731	1
EML (17,5X8)R YE	0816757	1
EML (19X6)R YE	0800107	1
EML (20X7)R YE	0816773	1
EML (20X8)R YE	0816799	1
EML (25,4X12,7)R YE	0816838	1
EML (26,5X17,5)R YE	0816896	1
EML (30X20)R YE	0816935	1
EML (32X25)R YE	0800020	1
EML (40X6)R YE	0830482	1
EML (40X25)R YE	0816977	1
EML (51X25)R YE	0817031	1
EML (50X10)R YE	0830484	1
EML (70X32)R YE	0817073	1
EML (75X10)R YE	0830486	1
EML (100X30)R YE	0801816	1
EML (100X73)R YE	0817138	1

Type	Order No.	Pcs. / Pkt.
EML (15X9)R SR	0816032	1
EML (21,5X21,5)R SR	0816812	1
EML (26,5X7,5)R SR	0816841	1
EML (26,5X12)R SR	0816854	1
EML (26,5X17,5)R SR	0816883	1
EML (26,5X18,5)R SR	0816906	1
EML (26,5X26,5)R SR	0816919	1
EML (40X15)R SR	0815729	1
EML (51X25)R SR	0817002	1
EML (70X32)R SR	0817057	1
EML (70X50)R SR	0817086	1
EML (100X73)R SR	0817112	1
EML (100X90)R SR	0817141	1

Device marking

Stick-on device marking

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications, transparent and white

- EML ... self-adhesive device markers have been specially developed to allow the marking of various types of operating equipment in control, system, and control cabinet engineering applications
- Precise printing quality and good adhesive properties
- If high-quality ink ribbons are used, the marking is resistant to solvents, making it suitable for use even under harsh industrial conditions
- A wide range of marker sizes and colors are available for custom designs
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- The EML ... materials are UL-listed
- **Designation example: EML (10X4)R...**
Lettering field size: 10 x 4 mm
Type of packaging: roll

General data	
Can be marked using	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Description
Labels , on large roll 10,000 labels per roll 10,000 labels per roll 10,000 labels per roll 10,000 labels per roll 10,000 labels per roll
10,000 labels per roll 10,000 labels per roll 10,000 labels per roll 3000 labels per roll 3000 labels per roll 2500 labels per roll 1000 labels per roll
Labels , round, 17.5 mm diameter 2500 labels per roll
Labels , on large roll Width: 37 mm, length: 90 m Width: 100 mm, length: 90 m
Labels , on large roll 20,000 labels per roll
Endless label Width: 110 mm, length 40 m

Technical data		
THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1 Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1) Free from silicone and halogen		
Ordering data		
Type	Order No.	Pcs. / Pkt.
EML (16,5X5)RL	0816113	1
EML (19X6,4)RL	0816142	1
EML (25,4X12,7)RL	0816087	1
EML (38,1X19)RL	0816171	1
EML (50,8X25,4)RL	0816184	1
EML (69,8X31,8)RL	0816197	1
EML (D17,5)R	0815774	1
EML (25,4X12,7)R TR	0801841	1
EML (37XE)RL TR	0815716	1
EML (51X12,5)R TR	0815745	1
EML (20X8)RXL	0802762	1
EML (110XE)R	0815596	1





Unmarked or marked according to customer specifications, yellow



Unmarked or marked according to customer specifications, silver



Technical data
THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data		
Type	Order No.	Pcs. / Pkt.
EML (16,5X5)RL YE	0816126	1
EML (17,5X8)RL YE	0816139	1
EML (18X6)RL YE	0828460	1
EML (18X7)RL YE	0802733	1
EML (30X20)RL YE	0816168	1
EML (76,2X6,5)RL YE	0816207	1
EML (110XE)R YE	0815606	1

Technical data
THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data		
Type	Order No.	Pcs. / Pkt.
EML (101,6X25,4)RL SR	0815790	1
EML (100XE)RL SR	0815787	1
EML (110XE)R SR	0801994	1

Marking and labeling - MARKING system

Device marking

Stick-on device marking for applications in process engineering



Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

- The EML...-EX self-adhesive device markers have been specifically developed for marking various types of equipment in the Ex area
- The marking requirements in terms of legibility, adhesion, and wipe resistance in potentially explosive areas (ATEX), according to IEC/EN 60079-0, can also be ensured following storage in typical gas atmospheres. Phoenix Contact developed these labels especially for process engineering, which is where these requirements typically arise. These labels meet the requirements for wipe resistance according to DIN EN 61010-1 against aggressive media such as acetone, ethanol, and MEK
- They are only suitable in conjunction with the TM- RIBBON110-EX
- Thanks to the special surface and adhesive, the marker meets the demanding requirements of process engineering
- If high-quality ink ribbons are used, the marking is resistant to solvents, making it suitable for use even under harsh industrial conditions
- A wide range of marker sizes and colors are available for custom designs
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- **Designation example:**
EML (10x4)R-EX
Lettering field size: 10 x 4 mm
Type of packaging: roll
- Marking service: Phoenix Contact can custom-mark all EML markers according to your requirements

General data

Can be marked using

Material	
Temperature range	[°C]
Wipe resistance	
Components	

Description	Color
Labels	
10,000 labels per roll	white
2500 labels per roll	white
2500 labels per roll	white
2500 labels per roll	white
1000 labels per roll	white
400 labels per roll	white
300 labels p. roll	white
300 labels p. roll	white
250 labels p. roll	white

Ink ribbon, length: 300 m, width: 110 mm, color: black

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
EML (10X4)R-EX	0803251	1
EML (15X9)R-EX	0803253	1
EML (20X8)R-EX	0803254	1
EML (30X20)R-EX	0803255	1
EML (40X25)R-EX	0803256	1
EML (70X50)R-EX	0803257	1
EML (100X40)R-EX	0803258	1
EML (100X73)R-EX	0803259	1
EML (100X90)R-EX	0803260	1

Accessories

TM-RIBBON 110-EX	0803211	1
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Stick-on device marking

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

- The EMLP ... self-adhesive markers meet the same standards as the engraved labels
- Quick and cost-effective marking with THERMOMARK ... printers
- High-quality appearance
- High level of resistance to chemical and mechanical effects
- Primarily used for marking electrical components, devices, and buttons
- **Designation example:**
EMLP(13x9)R
Lettering field size :13 x 9 mm
Type of packaging: roll
- Marking service: Phoenix Contact can custom-mark all EMLP ... markers in accordance with your requirements

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 •

THERMOMARK X1.2

Polyester

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Markers				
500 markers per roll	white	EMLP (13X9)R	0819453	1
500 markers per roll	white	EMLP (17X7)R	0826844	1
500 markers per roll	white	EMLP (17,5X12)R	0819466	1
3000 markers per roll	white	EMLP (17,5X15)R	0802684	1
500 markers per roll	white	EMLP (20X7)R	0819479	1
500 markers per roll	white	EMLP (20X8)R	0819482	1
500 markers per roll	white	EMLP (22X12)R	0819495	1
500 markers per roll	white	EMLP (45X15)R	0801820	1
500 markers per roll	white	EMLP (45X25)R	0802727	1
250 markers per roll	white	EMLP (60X30)R	0819505	1
500 markers per roll	white	EMLP (65X25)R	0802728	1
3000 markers per roll	silver	EMLP (17,5X15)R SR	0802685	1
500 markers per roll	silver	EMLP (27X8)R SR	0819518	1
500 markers per roll	silver	EMLP (27X12,5)R SR	0819521	1
500 markers per roll	silver	EMLP (27X18)R SR	0819534	1
500 markers per roll	silver	EMLP (22X22)R SR	0825528	1
500 markers per roll	silver	EMLP (27X27)R SR	0827467	1
500 markers per roll	silver	EMLP (45X15)R SR	0819547	1
250 markers per roll	silver	EMLP (60X30)R SR	0801729	1

Device marking

Stick-on device marking, continuous

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

- The EMLP Ex... self-adhesive continuous markers are equivalent to engraved labels
- Quick and cost-effective marking with THERMOMARK ... printers
- High-quality appearance
- High level of resistance to chemical and mechanical effects
- Primarily used for marking electrical components, devices, and buttons
- **Designation example:**
EMLP(13x9)R
Lettering field size :13 x 9 mm
Type of packaging: roll
- Marking service: Phoenix Contact can custom-mark all EMLP ... markers in accordance with your requirements

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 •
THERMOMARK X1.2

Polyester

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color
Continuous roll	
Width: 15 mm, length: 20 m	white
	silver
	yellow
	black
	blue
	red
Width: 30 mm, length: 20 m	white
	silver
	red

Type	Order No.	Pcs. / Pkt.
EMLP (EX15)R	0802686	1
EMLP (EX15)R SR	0802687	1
EMLP (EX15)R YE	0803276	1
EMLP (EX15)R BK	0803279	1
EMLP (EX15)R BU	0803277	1
EMLP (EX15)R RD	0803280	1
EMLP (EX30)R	0802688	1
EMLP (EX30)R SR	0802689	1
EMLP (EX30)R RD	0803436	1

Stick-on device marking, for 24 mm buttons

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

- The EMLP 24 ... self-adhesive markers are ideal for marking electrical buttons
- Quick and cost-effective marking with THERMOMARK ... printers
- High-quality appearance
- High level of resistance to chemical and mechanical effects
- Marking service: Phoenix Contact can custom-mark all EMLP ... markers in accordance with your requirements

General data

Can be marked using

Material

Temperature range

[°C]

Wipe resistance

Components

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 •

THERMOMARK X1.2

Polyester

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color
Markers for 24 mm buttons , can be marked with thermal transfer printer	
500 markers per roll	white
500 markers per roll	silver
500 markers per roll	red
500 markers per roll	green

Type	Order No.	Pcs. / Pkt.
EMLP 24 (30X12)R	0819550	1
EMLP 24 (30X12)R SR	0819563	1
EMLP 24 (30X12)R RD	0819576	1
EMLP 24 (30X12)R GN	0819589	1

Marking and labeling - MARKING system

Device marking

Stick-on device marking, for 30 mm buttons



- The EMLP 30 ... self-adhesive markers are ideal for marking electrical buttons
- Quick and cost-effective marking with THERMOMARK ... printers
- High-quality appearance
- High level of resistance to chemical and mechanical effects

Notes:

If using THERMOMARK ROLL, use the external ROLL-ERH media hub.



Unmarked or marked according to customer specifications

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 •
THERMOMARK X1.2
Polyester
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color
Markers for 30 mm buttons , can be marked with thermal transfer printers	
500 markers per roll	white
500 markers per roll	yellow
500 markers per roll	black

Type	Order No.	Pcs. / Pkt.
EMLP 30(45X10)R	0801855	1
EMLP 30(45X10)R YE	0801857	1
EMLP 30(45X10)R BK	0801858	1

Highly flexible PVC stick-on device marking



- Highly flexible, soft PVC label that adapts well to uneven surfaces
- Extremely high-quality appearance
- Outdoor-durable for up to eight years when subject to a temperature range of -40°C to 90°C



Unmarked or marked according to customer specifications

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 •
THERMOMARK X1.2
PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color
Continuous label , width: 108 mm, length: 48 m	
	white
	yellow
	silver
	transparent

Type	Order No.	Pcs. / Pkt.
EMLF (108XE)R	0800549	1
EMLF (108XE)R YE	0800550	1
EMLF (108XE)R SR	0800551	1
EMLF (108XE)R TR	0800552	1

Highly flexible stick-on textile foil

Can be marked using:



Thermal transfer for rolls

PRINTED
FOR YOU



Unmarked or marked according to customer specifications

- Textile foil with extremely low restoring forces
- Enables labels to be stuck over edges and curves
- Halogen-free material
- Outdoor-durable for one to two years when subject to a temperature range of -40°C to +150°C

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 •

THERMOMARK X1.2

PA

-40 ... 150

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Fabric label				
10,000 labels per roll	white	EMLC (5,5X20)R	0817617	1
5000 labels per roll	white	EMLC (5,5X40)R	0817620	1
2500 labels per roll	yellow	EMLC (15X9)R YE	0800236	1
2500 labels per roll	yellow	EMLC (17,5X8)R YE	0800237	1
2500 labels per roll	white	EMLC (20X8)R	0815680	1
2500 labels per roll	yellow	EMLC (20X8)R YE	0800235	1
10,000 labels per roll	yellow	EMLC (20X8)RL YE	0815800	1
2500 labels per roll	yellow	EMLC (25X8)R YE	0800240	1
2500 labels per roll	yellow	EMLC (25,4X12,7)R YE	0800238	1
1000 labels per roll	yellow	EMLC (38X17)R YE	0800557	1
1000 labels per roll	white	EMLC (40X8)R	0800554	1
1000 labels per roll	yellow	EMLC (40X8)R YE	0800555	1
750 labels per roll	yellow	EMLC (51X25)R YE	0800558	1

Marking and labeling - MARKING system

Device marking

Device marking for sticking onto rough or structured surfaces



The EML–HA ... self-adhesive device markers have excellent adhesive properties on rough, structured, and low-energy surfaces, thanks to their special adhesive.

- Precise printing quality and good adhesive properties
- If high-quality ink ribbons are used, the marking is resistant to solvents, making it suitable for use even under harsh industrial conditions
- A wide range of different marker sizes are available in white and silver for custom designs
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- Marking service: Phoenix Contact can custom-mark all EML–HA ... labels according to your requirements
- The marking material is UL listed

– Designation example:

EML-HA (15x9)R

Lettering field size: 15 x 9 mm

Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications



Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.2

Polyester

-40 ... 150

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Description

Color

Label, for rough plastic surfaces, highly adhesive, white

2500 labels per roll	white
2500 labels per roll	white
2500 labels per roll	white
2500 labels per roll	white
2500 labels per roll	white
1000 labels per roll	white
1000 labels per roll	white
1000 labels per roll	white
1000 labels per roll	white
1000 labels per roll	white
1000 labels per roll	white
250 labels p. roll	white
1000 labels per roll	white
1000 labels per roll	white
300 labels p. roll	white
250 labels p. roll	white

Label, for rough plastic surfaces, highly adhesive, silver

2500 labels per roll	silver
2500 labels per roll	silver
2500 labels per roll	silver
2500 labels per roll	silver
2500 labels per roll	silver
1000 labels per roll	silver
1000 labels per roll	silver
1000 labels per roll	silver
1000 labels per roll	silver
1000 labels per roll	silver
1000 labels per roll	silver
250 labels p. roll	silver
1000 labels per roll	silver
1000 labels per roll	silver
300 labels p. roll	silver
250 labels p. roll	silver

Type

Order No.

Pcs. / Pkt.

EML-HA (15X9)R	0830600	1
EML-HA (19X6)R	0830601	1
EML-HA (20X20)R	0830602	1
EML-HA (26,5X12)R	0830603	1
EML-HA (40X8)R	0830604	1
EML-HA (40X15)R	0830605	1
EML-HA (51X25)R	0830729	1
EML-HA (60X30)R	0830606	1
EML-HA (70X32)R	0830607	1
EML-HA (70X50)R	0830730	1
EML-HA (70X150)R	0830608	1
EML-HA (76X51)R	0830609	1
EML-HA (85X32)R	0830610	1
EML-HA (100X73)R	0830731	1
EML-HA (100X90)R	0830732	1
EML-HA (15X9)R SR	0830611	1
EML-HA (19X6)R SR	0830612	1
EML-HA (20X20)R SR	0830613	1
EML-HA (26,5X12)R SR	0830614	1
EML-HA (40X8)R SR	0830615	1
EML-HA (40X15)R SR	0830616	1
EML-HA (51X25)R SR	0830733	1
EML-HA (60X30)R SR	0830617	1
EML-HA (70X32)R SR	0830618	1
EML-HA (70X50)R SR	0830734	1
EML-HA (70X150)R SR	0830619	1
EML-HA (76X51)R SR	0830620	1
EML-HA (85X32)R SR	0830621	1
EML-HA (100X73)R SR	0830735	1
EML-HA (100X90)R SR	0830736	1

Stick-on device marking, for high-temperature applications



- White polyimide labels with high level of temperature resistance
- Continuous temperature range of -40°C to +180°C, up to +300°C temporarily, for up to 60 seconds
- For marking PCBs, can be used in all industrial soldering processes
- High weathering and chemical resistance
- The marking material is UL listed
- Protection against tampering: the labels cannot be removed without disintegrating
- **Designation example:**
EML-HT (8x8)R
Lettering field size: 8 x 8 mm
Type of packaging: roll
- Single-web large roll with 8000 or 10,000 labels (see figure below)

Notes:

The THERMOMARK-RIBBON 110-EML-HT ink ribbon is required for marking EM-LHT... high-temperature labels, see under "Printers", page 37.

If large rolls are processed with the THERMOMARK ROLL, the external THERMOMARK ROLL-ERH media hub must be used.

EML-HT...RL-T cannot be marked with the THERMOMARK S1.1.

Can be marked using:



Thermal transfer for rolls

PRINTED
FOR YOU



Unmarked or marked according to customer specifications



Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Acrylate
-40 ... 180
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
High-temperature labels				
4000 labels per roll	white	EML-HT (8X8)R	0800340	1
4000 labels per roll	white	EML-HT (15X6)R	0830644	1
4000 labels per roll	white	EML-HT (15X15)R	0800341	1
4000 labels per roll	white	EML-HT (20X7)R	0830645	1
4000 labels per roll	white	EML-HT (24X4)R	0830646	1
4000 labels per roll	white	EML-HT (25X8)R	0830647	1
2500 labels per roll	white	EML-HT (25,4X12,7)R	0830648	1
2500 labels per roll	white	EML-HT (32X10)R	0830649	1
2500 labels per roll	white	EML-HT (35X6,5)R	0830650	1
1000 labels per roll	white	EML-HT (40X15)R	0800339	1
2500 labels per roll	white	EML-HT (45X5)R	0800337	1
1000 labels per roll	white	EML-HT (50X10)R	0800338	1
1000 labels per roll, round, 12 mm diameter	white	EML-HT (D12)R	0801376	1
High-temperature labels, on large roll				
10,000 labels per roll	white	EML-HT (8X8)RL-T	0830651	1
10,000 labels per roll	white	EML-HT (15X6)RL-T	0830652	1
8000 labels per roll	white	EML-HT (15X15)RL-T	0830653	1
10,000 labels per roll	white	EML-HT (20X7)RL-T	0830654	1
10,000 labels per roll	white	EML-HT (24X4)RL-T	0830655	1
10,000 labels per roll	white	EML-HT (25X8)RL-T	0830656	1
10,000 labels per roll	white	EML-HT (25,4X12,7)RL-T	0830657	1
10,000 labels per roll	white	EML-HT (32X10)RL-T	0830658	1
10,000 labels per roll	white	EML-HT (35X6,5)RL-T	0830659	1
8000 labels per roll	white	EML-HT (40X15)RL-T	0830660	1
10,000 labels per roll	white	EML-HT (45X5)RL-T	0830661	1
10,000 labels per roll	white	EML-HT (50X10)RL-T	0830662	1

Ink ribbon, specifically for high-temperature labels, EML-HT...

black

Accessories

THERMOMARK-RIBBON 110-EML-HT	0800342	1
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Marking and labeling - MARKING system

Device marking

Stick-on device marking, for ESD applications

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

- Safe marking for sensitive components on PCBs
- Static dissipative adhesive: prevents transmission of voltage and protects the component against electrostatic discharge
- Marking service: Phoenix Contact can custom-mark all EML-ESD ... markers according to your requirements
- **Designation example:**
EML-ESD (8x8)R
Lettering field size: 8 x 8 mm
Type of packaging: roll

Notes:

If large rolls are processed with the THERMOMARK ROLL, the external THERMOMARK ROLL-ERH media hub must be used.

EML-ESD... RL-T cannot be marked with the THERMOMARK S1.1.

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1

Polyester

-40 ... 150

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Device marking, roll				
4000 labels per roll	white	EML-ESD (8X8)R	0830564	1
4000 labels per roll	white	EML-ESD (15X6)R	0830565	1
4000 labels per roll	white	EML-ESD (15X15)R	0830566	1
4000 labels per roll	white	EML-ESD (20X7)R	0830567	1
4000 labels per roll	white	EML-ESD (24X4)R	0830568	1
4000 labels per roll	white	EML-ESD (25X8)R	0830569	1
2500 labels per roll	white	EML-ESD (25,4X12,7)R	0830570	1
2500 labels per roll	white	EML-ESD (32X10)R	0830571	1
2500 labels per roll	white	EML-ESD (35X6,5)R	0830572	1
2500 labels per roll	white	EML-ESD (40X15)R	0830573	1
2500 labels per roll	white	EML-ESD (45X5)R	0830574	1
1000 labels per roll	white	EML-ESD (50X10)R	0830575	1
Device marking, large roll				
10,000 labels per roll	white	EML-ESD (8X8)RL-T	0830576	1
10,000 labels per roll	white	EML-ESD (15X6)RL-T	0830577	1
8000 labels per roll	white	EML-ESD (15X15)RL-T	0830578	1
10,000 labels per roll	white	EML-ESD (20X7)RL-T	0830579	1
10,000 labels per roll	white	EML-ESD (24X4)RL-T	0830580	1
10,000 labels per roll	white	EML-ESD (25X8)RL-T	0830581	1
10,000 labels per roll	white	EML-ESD (25,4X12,7)RL-T	0830582	1
10,000 labels per roll	white	EML-ESD (32X10)RL-T	0830583	1
10,000 labels per roll	white	EML-ESD (35X6,5)RL-T	0830584	1
8000 labels per roll	white	EML-ESD (40X15)RL-T	0830585	1
10,000 labels per roll	white	EML-ESD (45X5)RL-T	0830586	1
10,000 labels per roll	white	EML-ESD (50X10)RL-T	0830587	1



Stick-on device marking, removable

Can be marked using:



Thermal transfer for rolls

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Unmarked or marked according to customer specifications

- Particularly suitable for temporary marking
- The labels adhere well and reliably, and can be removed easily and residue-free if required
- The labels cannot be reused following removal
- Marking service: Phoenix Contact can custom-mark all EML-RM ... markers according to your requirements
- **Designation example:**
EML-RM (8x8)R
Lettering field size: 8 x 8 mm
Type of packaging: roll

Notes:

If large rolls are processed with the THERMOMARK ROLL, the external THERMOMARK ROLL-ERH media hub must be used.

EML-RM...RL-T cannot be marked with the THERMOMARK S1.1.

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1

Polyester

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Labels, removable				
4000 labels per roll	white	EML-RM (8X8)R	0830528	1
4000 labels per roll	white	EML-RM (15X6)R	0830529	1
4000 labels per roll	white	EML-RM (15X15)R	0830530	1
4000 labels per roll	white	EML-RM (20X7)R	0830531	1
4000 labels per roll	white	EML-RM (24X4)R	0830532	1
4000 labels per roll	white	EML-RM (25X8)R	0830533	1
2500 labels per roll	white	EML-RM (25,4X12,7)R	0830534	1
2500 labels per roll	white	EML-RM (32X10)R	0830535	1
2500 labels per roll	white	EML-RM (35X6,5)R	0830536	1
2500 labels per roll	white	EML-RM (40X15)R	0830537	1
2500 labels per roll	white	EML-RM (45X5)R	0830538	1
1000 labels per roll	white	EML-RM (50X10)R	0830539	1
1000 labels per roll	white	EML-RM (70X50)R	0803186	1
Labels, on large roll, removable				
1000 labels per roll	white	EML-RM (8X8)RL-T	0830540	1
1000 labels per roll	white	EML-RM (15X6)RL-T	0830541	1
1000 labels per roll	white	EML-RM (15X15)RL-T	0830542	1
1000 labels per roll	white	EML-RM (20X7)RL-T	0830543	1
1000 labels per roll	white	EML-RM (24X4)RL-T	0830544	1
1000 labels per roll	white	EML-RM (25X8)RL-T	0830545	1
1000 labels per roll	white	EML-RM (25,4X12,7)RL-T	0830546	1
1000 labels per roll	white	EML-RM (32X10)RL-T	0830547	1
1000 labels per roll	white	EML-RM (35X6,5)RL-T	0830548	1
1000 labels per roll	white	EML-RM (40X15)RL-T	0830549	1
1000 labels per roll	white	EML-RM (45X5)RL-T	0830550	1
1000 labels per roll	white	EML-RM (50X10)RL-T	0830551	1

Ink ribbon, length: 300 m, width: 110 mm

black

Accessories

THERMOMARK-RIBBON 110	5145384	1
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Device marking

Stick-on device marking, with anti-tamper protection



Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

- Tamper-proof label, can be used as a rating plate or seal, for example
- When peeled off, part of the metallic layer comes away, leaving behind a triangular pattern on both the label and the surface
- The safety function is reliable up to 80°C
- Marking service: Phoenix Contact can custom-mark all EMLS ... markers in accordance with your requirements
- The EMLS ... materials are UL-listed
- **Designation example: EMLS (15x9)R SR**
Lettering field size: 15 x 9 mm
Type of packaging: roll

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.2

Polyester

-40 ... 150

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Safety labels				
2500 labels per roll	silver	EMLS (15X9)R SR	0800347	1
2500 labels per roll	silver	EMLS (19X6)R SR	0800343	1
1000 labels per roll	silver	EMLS (20X20)R SR	0800344	1
1000 labels per roll	silver	EMLS (26,5X12)R SR	0800353	1
1000 labels per roll	silver	EMLS (38,1X19)R SR	0800354	1
1000 labels per roll	silver	EMLS (40X8)R SR	0800348	1
1000 labels per roll	silver	EMLS (40X15)R SR	0800345	1
500 labels per roll	silver	EMLS (60X30)R SR	0800355	1
500 labels per roll	silver	EMLS (70X32)R SR	0800346	1
100 labels per roll	silver	EMLS (70X150)R SR	0800351	1
250 labels p. roll	silver	EMLS (76X51)R SR	0800350	1
250 labels p. roll	silver	EMLS (85X32)R SR	0800356	1

Device marking for rotary switches from Phoenix Contact, for sticking on or snapping in



- EML-RS for marking rotary switches from Phoenix Contact
- For either sticking on or snapping in with transparent EMPPR (45,8x45,8) cover
- Additional protection under extreme ambient conditions with the transparent EMPPR (45,8x45,8) cover

General data

Can be marked using

Material

Temperature range

[°C]

Wipe resistance

Components

Description

Color

Label, roll, unmarked, can be marked with: THERMOMARK ROLL, THERMOMARK X, THERMOMARK S1.1, mounting type: adhered/inserted, 250 labels p. roll

white

silver

Snap-in shock protection, for RS20-... rotary switches, transparent

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Unmarked or marked according to customer specifications

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

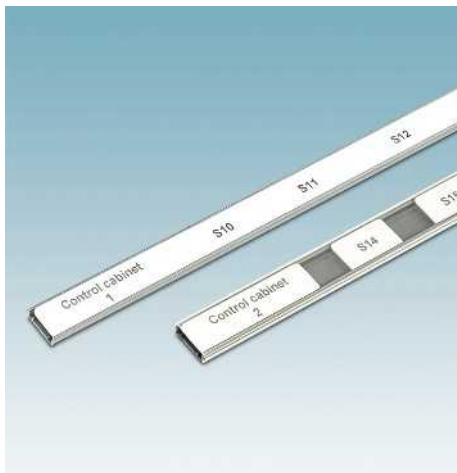
Type	Order No.	Pcs. / Pkt.
EML-RS (45,7X45,7)R	0803387	1
EML-RS (45,7X45,7)R SR	0803187	1

Accessories

EMPPR (45,8X45,8)	0803389	25
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Notes:

For corresponding CARRIER-EMP... carrier profiles, see phoenixcontact.net/products



- The EMT marking range includes markers for all products with tall and flat marker grooves
- Marking service: Phoenix Contact can custom-mark all EMT markers according to your requirements

General data

Can be marked using

Material

Temperature range

[°C]

Wipe resistance

Components

Description

Color

Insert strips, unprinted, 1 roll = 50 m, continuous, strip height: 15 mm

white

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Unmarked or marked according to customer specifications

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
PVC
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
EMT (EX15)R	0830671	1

Device marking

Snap-in device makers for Axioline systems from Phoenix Contact



- EMT ... insert strips are available in different sizes for marking the Axioline modules from Phoenix Contact
- EMT (62...)R insert strips are available in different sizes for marking the Inline modules from Phoenix Contact
- Can be printed using all the thermal transfer printers available from Phoenix Contact
- Precise printing quality
- An overview of the devices that support marking can be found starting on page 292

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 •
THERMOMARK X1.1 • THERMOMARK X1.2

Polyester

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color
Insert strips for Axioline modules	
500 labels per roll, lettering field size: 35 x 28 mm	white
500 labels per roll, lettering field size: 35 x 28 mm	yellow
500 labels per roll, lettering field size: 35 x 46 mm	white
500 labels per roll, lettering field size: 35 x 46 mm	yellow
Insert strips for Inline modules, 500 labels per roll, lettering field size: 62 x 10 mm	
500 labels per roll, lettering field size: 62 x 10 mm	white
500 labels per roll, lettering field size: 62 x 10 mm	yellow
250 labels per roll, lettering field size: 62 x 46 mm	white
250 labels per roll, lettering field size: 62 x 46 mm	yellow

Type	Order No.	Pcs. / Pkt.
EMT (35X28)R	0801602	1
EMT (35X28)R YE	0801603	1
EMT (35X46)R	0801604	1
EMT (35X46)R YE	0801605	1
EMT (62X10)R	0800057	1
EMT (62X10)R YE	0800477	1
EMT (62X46)R	0800059	1
EMT (62X46)R YE	0800478	1

Device markers for Siemens ET 200SP controllers

- EMT ... insert strips are available for marking Siemens controllers
- Can be printed using all the thermal transfer printers available from Phoenix Contact
- Precise printing quality
- An overview of the devices that support marking can be found starting on page 292

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

Notes:

For additional information on the use of Siemens devices, see the product area on our website at phoenixcontact.net/products.

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 •
THERMOMARK X1.1 • THERMOMARK X1.2

Polyester

-40 ... 120

DIN EN 61010-1 (VDE 0411-1)

Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Insert strips				
500 labels per roll, lettering field size: 31 x 12.5 mm	white	EMT (31X12,5)R	0800008	1
500 labels per roll, lettering field size: 31 x 12.5 mm	yellow	EMT (31X12,5)R YE	0802764	1
500 labels per roll, lettering field size: 31 x 12.5 mm	gray	EMT (31X12,5)R GY	0801612	1
500 labels per roll, lettering field size: 50 x 26 mm	white	EMT (50X26)R	0800052	1
500 labels per roll, lettering field size: 50 x 26 mm	turquoise	EMT (50X26)R TQ	0800053	1
500 labels per roll, lettering field size: 50 x 26 mm	yellow	EMT (50X26)R YE	0800054	1
500 labels per roll, lettering field size: 103 x 17 mm	white	EMT (103X17)R	0800039	1
500 labels per roll, lettering field size: 103 x 17 mm	turquoise	EMT (103X17)R TQ	0800041	1
500 labels per roll, lettering field size: 103 x 17 mm	yellow	EMT (103X17)R YE	0800436	1
500 labels per roll, lettering field size: 103 x 23 mm	white	EMT (103X23)R	0800040	1
500 labels per roll, lettering field size: 103 x 23 mm	yellow	EMT (103X23)R YE	0800437	1
500 labels per roll, lettering field size: 103 x 23 mm	turquoise	EMT (103X23)R TQ	0800042	1
1 roll = 30 m, lettering field size: continuous x 14 mm	white	EMT (EX14)R	0803461	1
1 roll = 30 m, lettering field size: continuous x 14 mm	turquoise	EMT (EX14)R TQ	0803462	1
1 roll = 30 m, lettering field size: continuous x 14 mm	yellow	EMT (EX14)R YE	0803463	1
500 labels per roll, lettering field size: 23 x 109 mm	white	EMT (23X109)R	0803457	1
500 labels per roll, lettering field size: 23 x 109 mm	turquoise	EMT (23X109)R TQ	0803458	1
500 labels per roll, lettering field size: 23 x 109 mm	yellow	EMT (23X109)R YE	0803459	1
500 labels per roll, lettering field size: 23 x 109 mm	gray	EMT (23X109)R GY	0803460	1
Insert strips with two lettering field sizes per roll, with 250 of each size measuring:				
50 x 12.8 mm and 27.5 x 12.8 mm	white	EMT (50/28X13)R	0800049	1
with 250 each of 50 x 12.8 mm and 27.5 x 12.8 mm	yellow	EMT (50/28X13)R YE	0800438	1
with 250 each of 50 x 12.8 mm and 27.5 x 12.8 mm	turquoise	EMT (50/28X13)R TQ	0800050	1
with 250 each of 50 x 12.8 mm and 27.5 x 12.8 mm	red	EMT (50/28X13)R RD	0832082	1

Marking and labeling - MARKING system

Device marking

Stick-on device marking

Can be marked using:



Office laser printing



Unmarked or marked according to customer specifications

- These labels have been specially developed for laser printers
- Can be printed on all commercially available laser printers
- The unperforated SK U ... sheets are available for custom label designs
- Marking service: Phoenix Contact can custom-mark all BMKL ... markers in accordance with your requirements

Notes:

Print image may vary depending on laser printer

General data

Can be marked using
Material
Temperature range
Wipe resistance
Components

[°C]

Technical data

- • Office printing systems
Polyester
-20 ... 80
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

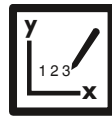
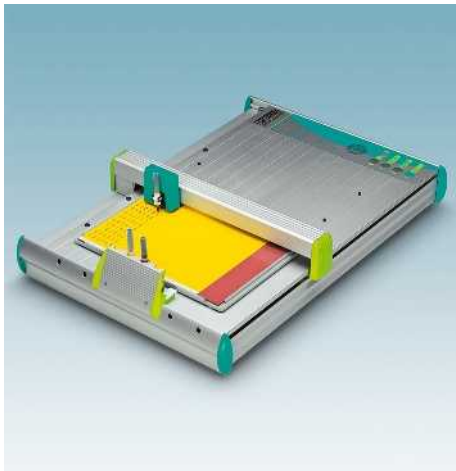
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Sheet of labels for laser printer, DIN A4				
1 sheet = 273 labels	white	BMKL 12X12 WH	5032361	10
1 sheet = 290 labels	white	BMKL 15X 9 WH	0803663	10
1 sheet = 396 labels	white	BMKL 18X 6 WH	5032293	10
1 sheet = 288 labels	white	BMKL 18X 8 WH	5032329	10
1 sheet = 224 labels	white	BMKL 20X 8 WH	5032280	10
1 sheet = 224 labels	white	BMKL 25X 8 WH	5032332	10
1 sheet = 147 labels	white	BMKL 25X12 WH	5032374	10
1 sheet = 228 labels	white	BMKL 26,8X6,8 WH	0807106	10
1 sheet = 63 labels	white	BMKL 50X12 WH	5032387	10
1 sheet = 45 labels	white	BMKL 64X16 WH	0821807	2
1 sheet = 21 labels	white	BMKL 64X34 WH	5032400	10
1 sheet = 290 labels	yellow	BMKL 15X 9 YE	5032497	10
1 sheet = 405 labels	yellow	BMKL 16X 6 YE	0807096	10
1 sheet = 288 labels	yellow	BMKL 18X 8 YE	5032170	10
1 sheet = 168 labels	yellow	BMKL 19X11 YE	0800705	10
1 sheet = 224 labels	yellow	BMKL 20X 8 YE	5032138	10
1 sheet = 162 labels	yellow	BMKL 26X10 YE	0811516	10
1 sheet = 45 labels	yellow	BMKL 64X16 YE	0821810	2
1 sheet = 192 labels	silver	BMKL 27X 8 SR	0803702	10
1 sheet = 126 labels	silver	BMKL 27X12,5 SR	0803676	10
1 sheet = 84 labels	silver	BMKL 27X18 SR	0803689	10
1 sheet = 54 labels	silver	BMKL 27X27 SR	0803692	10
1 sheet = 360 labels	orange	BMKL 18X 6,5 OG	5036147	10
Marking sheet, unperforated, self-adhesive, DIN A4 format				
	white	SK U WH:UNGESTANZT	0800129	10
	yellow	SK U YE:UNGESTANZT	0800132	10
	silver	SK U SR:UNGESTANZT	0800145	10



Stick-on device marking

Can be marked using:



Plotter



Unmarked or marked according to customer specifications

- Self-adhesive labels for marking by hand or with a plotter
- Secure adhesion even on curved or uneven surfaces as well as at corners
- Available in various dimensions
- Marking service: Phoenix Contact can custom-mark all BMK ... markers in accordance with your requirements

General data

Can be marked using
Material
Temperature range
Components

[°C]

Technical data

CMS-P1-PLOTTER
Polyester foil
-40 ... 80
Silicone-free

Ordering data

Description	Color
Label sheet	
1 sheet = 270 labels	white
1 sheet = 324 labels	yellow
1 sheet = 198 labels	yellow
1 sheet = 270 labels	yellow
1 sheet = 88 labels	yellow

Type	Order No.	Pcs. / Pkt.
BMK 20X 8 WH	0805470	10
BMK 15X 9 YE	5031605	10
BMK 19X11 YE	5031582	10
BMK 20X 8 YE	5031388	10
BMK 38X11 YE	5031676	10

Accessories

Magazine for accommodating sheet material, self-adhesive mat for fixing labels, foils and paper, size of sheet max. DIN A4

CMS-P1-PAD	5144819	1
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Marking and labeling - MARKING system

Device marking

Stick-on device marking, can be engraved or marked with writing

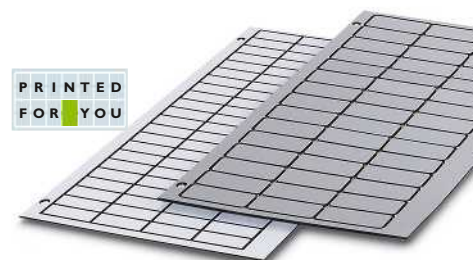
Can be marked using:



Engraving



Plotter



Unmarked or marked according to customer specifications

- The label sheet is made up of prefabricated, individual self-adhesive labels
- The adhesive foil used ensures good adhesive properties, even on uneven surfaces
- Can be easily marked using the CMS-P1-PLOTTER
- Can be engraved using the P1 ENGRAVING UNIT
- Two-layer material
- Marking service: Phoenix Contact can custom-mark all GPE ... markers in accordance with your requirements

Notes:

Matching magazines to accommodate the label sheets, see page 44.

General data

Can be marked using
Material
Temperature range
Wipe resistance
Components

[°C]

Technical data

P1 ENGRAVING UNIT • CMS-P1-PLOTTER
TRANSPLY-ABS
-20 ... 85
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plastic label sheet , self-adhesive double-layer plastic labels, material thickness: 0.8 mm, square corners				
1 sheet = 120 labels	white	GPE 13X 9 WH	0806932	10
1 sheet = 75 labels	white	GPE 17,5X12 WH	0806916	10
1 sheet = 100 labels	white	GPE 20X 7 WH	0806990	10
1 sheet = 88 labels	white	GPE 20X 8 WH	0806945	10
1 sheet = 60 labels	white	GPE 22X12 WH	0806929	10
1 sheet = 9 labels	white	GPE 52X26 WH	0806958	10
1 sheet = 9 labels	white	GPE 60X30 WH	0806961	10
1 sheet = 21 labels	red/white	GPE 60X12 RD-WH	0824202	10
1 sheet = 5 labels	yellow	GPE 70X32 YE	0824215	10
1 sheet = 30 labels	silver	GPE 28X17,5 SR	0807889	10
Plastic label sheet , self-adhesive double-layer plastic labels, material thickness: 0.8 mm, with rounded corners, radius: 2 mm				
1 sheet = 66 labels	white	GPE 27X 8 WH/R	0815198	10
1 sheet = 30 labels	white	GPE 27X18 WH/R	0815208	10
1 sheet = 26 labels	white	GPE 45X14 WH/R	0815282	10
1 sheet = 21 labels	white	GPE 60X12 WH/R	0807630	10
1 sheet = 9 labels	white	GPE 60X30 WH/R	0815292	10
1 sheet = 32 labels	silver	GPE 22X22 SR/R	0806628	10
1 sheet = 66 labels	silver	GPE 27X 8 SR/R	0806877	10
1 sheet = 42 labels	silver	GPE 27X12,5 SR/R	0806880	10
1 sheet = 30 labels	silver	GPE 27X18 SR/R	0806893	10
1 sheet = 18 labels	silver	GPE 27X27 SR/R	0806903	10
1 sheet = 26 labels	silver	GPE 45X14 SR/R	0807009	10
1 sheet = 21 labels	silver	GPE 60X12 SR/R	0806631	10



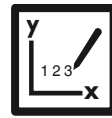
Stick-on device marking, can be engraved or marked with writing



Can be marked using:

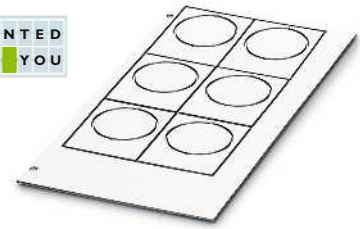


Engraving



Plotter

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FOR YOU



Unmarked or marked according to customer specifications

- High level of resistance to chemical and mechanical effects
- High-quality appearance
- Can be easily marked using the CMS-P1-PLOTTER
- Can be engraved using the P1 ENGRAVING UNIT
- For marking components, devices, and buttons
- Marking service: Phoenix Contact can custom-mark all EMLP ... markers in accordance with your requirements

General data

Can be marked using
Material
Temperature range
Wipe resistance
Components

[°C]

Technical data
P1 ENGRAVING UNIT • CMS-P1-PLOTTER
TRANSPLY-ABS
-20 ... 85
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Description	Color
Plastic label sheet , with a hole for 24-mm-Ø pushbutton, self-adhesive double-layer plastic labels, material thickness: 0.8 mm	
1 sheet = 6 labels	white
1 sheet = 6 labels	black
1 sheet = 6 labels	silver
Plastic label sheet , with a hole for 32-mm-Ø pushbutton, self-adhesive double-layer plastic labels, material thickness: 0.8 mm	
1 sheet = 6 labels	white
1 sheet = 6 labels	black
1 sheet = 6 labels	silver

Type	Order No.	Pcs. / Pkt.
EMLP 24 (30X12)	0822301	1
EMLP 24 (30X12) BK	0822314	1
EMLP 24 (30X12) SR	0822330	1
EMLP 32 (38X14)	0822291	1
EMLP 32 (38X14) BK	0822327	1
EMLP 32 (38X14) SR	0822343	1

Accessories

Magazine, to hold 1 GPE label sheet

CMS-P1-M/GPE ENGRAVING	5145711	1
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Marking and labeling - MARKING system

Device marking

Marker carrier



- The CARRIER-EMP ... marker carriers are used in conjunction with the UC-EMP ... / US-EMP ... and EMP-AL ... snap-in labels
- They are used to clearly identify devices and control cabinets
- They can be assembled using screws or rivets

General data

Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 105 [°C]
Components	Free from silicone and halogen

Description	Color
Marker carrier , for UC-EMP ... / US-EMP ... / EMP-AL ... snap-in labels	
Marker size: 17 x 15 mm	black
Marker size: 27 x 15 mm	black
Marker size: 49 x 15 mm	black
Marker size: 60 x 15 mm	black
Marker size: 60 x 30 mm	black
Marker size: 85 x 54 mm	black



For snap-in labels

Technical data

Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 105
Components	Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
CARRIER-EMP (17X15)	0827450	80
CARRIER-EMP (27X15)	0827451	80
CARRIER-EMP (49X15)	0827452	40
CARRIER-EMP (60X15)	0827453	40
CARRIER-EMP (60X30)	0827454	30
CARRIER-EMP (85,6X54)	0829365	10

Marker carriers, can be marked using snap-in markers for control devices



- Snap-in UC-/US-EMP ... and EMP-AL ... labels are available for marking CARRIER-EMP 22 ... marker carriers
- Can be used for all buttons and switches with 22 mm diameter

General data

Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 105 [°C]
Components	Free from silicone and halogen

Description	Color
Marker carrier , for UC-EMP ... / US-EMP ... / EMP-AL ... snap-in labels	
Marker size: 27 x 8 mm	black
Marker size: 27 x 12.5 mm	black
Marker size: 27 x 15 mm	black
Marker size: 27 x 18 mm	black
Marker size: 27 x 27 mm	black



For buttons and switches 22 mm in diameter

Technical data

Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 105
Components	Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
CARRIER-EMP 22 (27X8)	0827445	50
CARRIER-EMP 22 (27X12,5)	0827446	50
CARRIER-EMP 22 (27X15)	0827447	50
CARRIER-EMP 22 (27X18)	0827448	50
CARRIER-EMP 22 (27X27)	0827449	50

Marker carriers, can be marked using control device labels



- Can be used for all buttons and switches with 22 mm diameter
- The large marking areas on the CARRIER–EMLP can be custom-marked with EML ... thermal transfer labels and UC-EMLP ... / US-EMLP ... and EMLP-AL ... labels
- EMLPR ... transparent adhesive protective foil can be used for additional protection of the label surfaces

General data

Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 105 [°C]
Components	Free from silicone and halogen
Button diameter	22 [mm]

Description

Marker carrier, for buttons and switches with a 22 mm diameter, can be marked with self-adhesive labels EML ..., UC-EMLP ... / US-EMLP ... and EMLP-AL ...

Marker size: 27 x 8 mm	black
Marker size: 27 x 12.5 mm	black
Marker size: 27 x 15 mm	black
Marker size: 27 x 18 mm	black
Marker size: 27 x 27 mm	black



For buttons and switches 22 mm in diameter

Technical data

Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 105 [°C]
Components	Free from silicone and halogen
Button diameter	22 [mm]

Ordering data

Type	Order No.	Pcs. / Pkt.
CARRIER-EMLP 22 (27X8)	0828984	50
CARRIER-EMLP 22 (27X12,5)	0828985	50
CARRIER-EMLP 22 (27X15)	0828986	50
CARRIER-EMLP 22 (27X18)	0828987	50
CARRIER-EMLP 22 (27X27)	0828988	50

Transparent stick-on or snap-in cover



- Stuck or snapped onto marked CARRIER ... to protect the labels
- Extremely thick, yet flexible and transparent shock protection
- High level of mechanical and chemical stability
- Suitable for permanent outdoor use



Shock protection

Description

Shock protection foil , designed for sticking into CARRIER-EMLP ...	
51 labels per sheet	transparent
42 labels per sheet	transparent
30 labels per sheet	transparent

14 labels per sheet	transparent
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6 labels per sheet	transparent
4 labels per sheet	transparent

9 labels per sheet	transparent
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Shock protection, designed for snapping into CARRIER-EMP ...

	transparent
	transparent

Ordering data

Type	Order No.	Pcs. / Pkt.
EMLPR (26,5X14,5)	0800546	10
EMLPR (26,5X17,5)	0800360	10
EMLPR (26,5X26,5)	0800361	10
EMLPR (30X40)	0800359	10
EMLPR (80X42)	0800357	10
EMLPR (80X60)	0800358	10
EMLPR (100X30)	0800362	10
EMPPR (27X15)	0829535	50
EMPPR (27X18)	0829536	50

Marking and labeling - MARKING system

Device marking

Marking profiles

- Self-adhesive marker carriers, available by the meter for shortening to meet individual requirements
- Powerful adhesion and optimum grip on standard device surfaces
- The P-SS-ZB 100 is particularly suitable for accommodating SS-ZB, UC-EM (20X9), UCT-EM (20X9)
- The P-ZB METER can accommodate marking material for the tall and flat marker grooves found on Phoenix Contact modular terminal blocks



For self-adhesion

General data

Material	PVC
Inflammability class according to UL 94	V0
Temperature range	-15 ... 80 [°C]

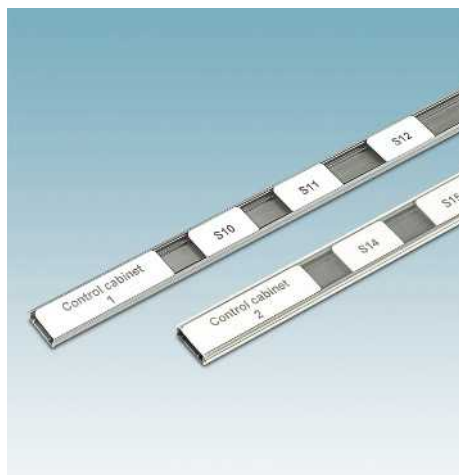
Technical data

Ordering data

Description	Color
Profile , self-adhesive, for accommodating SS-ZB labels, UC-EM (20X9), UCT-EM (20X9), length: 1000 mm	gray
Profile , self-adhesive, designed to accommodate UC-TM ..., UCT-TM ..., ZB ..., length: 1 m	gray

Type	Order No.	Pcs. / Pkt.
P-SS-ZB 100	1013737	10
P-ZB METER	1051854	1

Marking profiles



- The CARRIER-EMP ... marker carriers can be individually equipped with UC-EMP ... / US-EMP ... / EMT ... and EMP-AL ... device markers
- For marking devices
- For marking assemblies
- For marking control and switchgear



Designed to be stuck on or for screwing/riveting

General data

Material	PVC
Inflammability class according to UL 94	V2
Temperature range	-40 ... 105 [°C]
Components	Free from silicone and halogen

Technical data

Ordering data

Description	Color
Profile , for screwing or riveting, 1000 mm long, for accommodating UC-... / US-... / EMT ... and EMP-AL material with a height of 15 mm	gray transparent
Profile , self-adhesive, 1000 mm long, for accommodating UC-... / US-... / EMT ... and EMP-AL ... material with a height of 15 mm	gray transparent
CARRIER cover , 1000 mm long	transparent

Type	Order No.	Pcs. / Pkt.
CARRIER-EMP (1000X15) GY	0829366	25
CARRIER-EMP (1000X15) TR	0829530	25
CARRIER/L-EMP (1000X15) GY	0829559	25
CARRIER/L-EMP (1000X15) TR	0829560	25
CARRIER-EMP (1000X15) COVER	0829520	25

Marker carrier



- Self-adhesive marker carriers for marking devices and components
- Powerful adhesion and optimum grip on standard device surfaces
- These carrier materials can be fitted, e.g., with UC-WMT ..., US-WMT ..., EMT ..., and UCT-WMT



For insert strips

General data

Material	PVC
Inflammability class according to UL 94	V0
Temperature range	-40 ... 60
Components	Silicone-free

Technical data

Ordering data

Description	Color
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Component marking label, self-adhesive, can be marked with UC-WMT ..., US-WMT ..., EMT ..., and UCT-WMT

Lettering field size: 15 x 4 mm transparent

Lettering field size: 30 x 4 mm transparent

UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 15 x 4 mm, 32-section, 8 individual labels per strip

white

yellow

white

yellow

UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 15 x 4 mm, 50-section

white

yellow

white

yellow

Type	Order No.	Pcs. / Pkt.
PAB-SK 15	1013287	500
PAB-SK 30	1013290	200
UC-WMT (15X4)	0819398	10
UC-WMT (15X4) YE	0819408	10
UC-WMT (30X4)	0819437	10
UC-WMT (30X4) YE	0819440	10
UCT-WMT (15X4)	0801446	10
UCT-WMT (15X4) YE	0801447	10
UCT-WMT (30X4)	0801422	10
UCT-WMT (30X4) YE	0801423	10

Transparent stick-on cover



- Extremely thick, but flexible and transparent label made from halogen-free PU
- Stuck over labels or markers that have been marked to protect them
- High level of mechanical and chemical stability
- Suitable for permanent outdoor use



Shock protection

General data

Material
Components

Technical data

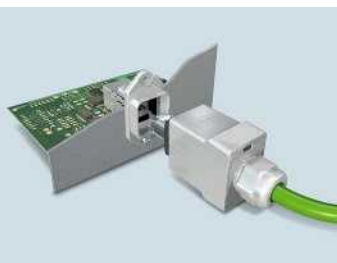
Polyester foil
Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Shock protection foil , designed for sticking into CARRIER-EMLP ...				
51 labels per sheet	transparent	EMLPR (26,5X14,5)	0800546	10
42 labels per sheet	transparent	EMLPR (26,5X17,5)	0800360	10
30 labels per sheet	transparent	EMLPR (26,5X26,5)	0800361	10
14 labels per sheet	transparent	EMLPR (30X40)	0800359	10
6 labels per sheet	transparent	EMLPR (80X42)	0800357	10
4 labels per sheet	transparent	EMLPR (80X60)	0800358	10
9 labels per sheet	transparent	EMLPR (100X30)	0800362	10



UC-TM 6
UCT-TM 6
UC-TMF 6
UC-TMF 12
UCT-TMF 6
UCT-TMF 12
UC-EM (17,5X9)
UC-EM (20X9)
UC-EMP (20X9)
US-EMP (20X9)
UCT-EM (17,5X9)
UCT-EM (20X9)
ZB 5, ZB 6, ZB 15

[illegible]

UC-TM 5	UCT-TM 5
UC1U-TM 5	
UC-TM 6	UCT-TM 6
UC-TMF 8	UCT-TMF 8
UC-TMF 10	UCT-TMF 10
UC-TMF 16	UCT-TMF 16
UC-WMT (23X4)	US-WMT (23X4)
UC-EM (17,5X9)	
UC-EM (20X7)	
UC-EMP (20X9)	US-EMP (20X9)
UCT-EM (17,5X9)	
UCT-EM (20X7)	
UCT-EM (20X9)	

[illegible]



	UC-TM 6	UCT-TM 6	UC-TMF 5	UC-TMF 18	UCT-TMF 5	UCT-TMF 18
Catalog 6: surge protection and power supply units						
FLASHTRAB compact PLUS lightning arrester						
FLASHTRAB PLUS lightning arrester						
FLASHTRAB compact lightning arrester						
VALVETRAB compact surge arrester						
VALVETRAB MS surge arrester						
MAINS-PLUGTRAB device protection						
PLUGTRAB with function monitoring PT-IQ						
PLUGTRAB PT... plug-in surge protection cascade						
Modular terminal blocks with TT... surge protection elements						



	UC-TM 6	UCT-TM 6	UC-TMF 6	UC-TMF 8	UC-TMF 12	UCT-TMF 6	UCT-TMF 8	UCT-TMF 12	UCT-EM (7X10)	EMT (35X18,7)	EMT (35X28)	EMT (35X46)
Catalog 8: control technology, I/O systems, automation infrastructure												
Inline												
INTERBUS ST...												
Fieldline... M8												
Fieldline... M12												
Axioline F series												
Axioline E series												

Marking and labeling - MARKING system

Device marking

Device marking for devices from other manufacturers



ABB	UC-EM (17,5X7,5)	UC-EM (17,5X8)	UCT-EM (17X9)	UCT-EM (17,5X7,5)	UCT-EM (17,5X8)	UCT-EM (17X8)	UCT-EM (20X9)
Miniature circuit breaker S 221..., S 223..., S 281..., S 284...							
Residual current device F271..., F172...							
Switch, button, indicator light E 221..., E 222..., E 223...							
Switch, button, indicator light E 225..., E 226..., E 227...							
Power dimmer STD...							
Power supply unit NTLS...							
Power consumption meter RS 232...							
Installation contactors ESB..., EN...							
Miniature circuit breakers LE1..., LE3..., LP1-3..., LPUC 1/2, LP1NA..., LP3NA...							
Residual current devices F..., FIP..., FIK..., FI-LP..., FIS...							
FI signal generator FISG...							
Load switch IS...							
Surge arrester SA 4...							
Logic modules							
Logic and extension module LM..., DO..., DX...							
Miniature circuit breaker							
Switch contacts A9, A12, A16, A26, A30, A40, A50, A63, A75, A95, A110, A145, A185, A210, A260, A300, AF400, AF460, AF580, AF750							
Mini contacts B6, B7							
SZ-KZS							

	UCT-EM (17X10)	
Allen Bradley		
100-C09Z*10, 100-F A22, 100-F A40		
Motor starter 140M x		

	UCT-EM (10X5)	UCT-EM (12X7)	UC1-TMF 5 UCT1-TMF 5
Beckhoff			
BK 3010, BK 3110			
BC 2000, BC 3100, BC 4000			
BC 9000, BC 9050			
Field distributor IE 3112-2-00			
IL 2301-B310			
SAI distributor (sensor/actuator interface)			

	UCT-EM (12X3,3)	UCT-EM (12X6)
Bernecke + Rainer		
X20 system		

	UCT-EM (10X8)
Bosch/Rexroth	
Bosch/distributor	

Marking and labeling - MARKING system

Device marking

Device marking for devices from other manufacturers



CONTA-CLIP

PRSU

CP V4, optocoupler, AOP

PGSV, PSP

UCT-EM (5X10)

UCT-EM (6X10)

UC-EM (20X9)
UCT-EM (20X9)

ESCHA

Distributor block MB

Distributor block FK/FKS

M12 distributor

Distributor block 8MB

UCT-EM (10X5)

UCT-EM (20X8)

UC-EM (20X9)
UCT-EM (20X9)

FESTO

Compact Performance

CPA10/EV1

CP-E16 valve island

CP-E16-KL-CL

Electronics CP-16-M

IBS 6x10

MPV-E/A08-M8, MPV-E/A08-M12, MPV-E/A12-M8

CPV pneumatics

IBS 9/17

IBS 10/17

MT

Valve island IBS 9/20

CPV18-V1 valves

UCT-EM (6X10)

UCT-EM (17X9)

UCT-EM (17X10)

UC-EM (20X9)
UCT-EM (20X9)

	UCT-EM (6X10)	UCT-EM (17X9)
Finder		
Variclip (relay retaining bracket)		
Variclip 020.24		
Sockets with screw and spring-cage terminal block, 93 series		

	UC-EM (20X7) UCT-EM (20X7)	UC-EM (20X9) UCT-EM (20X9)	UC-TM 6 UCT-TM 6	UC-TM 5 UCT-TM 5
HARTING				
Front plate Han - Port				
Plug-in connector Han - Snap				
Connection distributor Han - E AV				
Connection distributor Han - D AV				

	UC-EM (10X8)	UC-EM (17,5X8)	UC-EM (20X7)	UC-EM (21X8)	UCT-EM (10X8)	UCT-EM (17X8)	UCT-EM (17,5X8)	UCT-EM (18X8)	UCT-EM (20X7)	UCT-EM (20X9)	UCT-EM (21X8)
ifm-electronic											
AC 20 xx classic module/universal M											
AC 24 80/81 CompactLine											
AC 5210 AS-i module											
AV 52xx ClassicLine											
AC 225 SmartLine											
ClassicLine distribution module AC52...											
Active AS-i module AC2480											
AC 50 xx module bases											
Active AS-i module AC225...											
Compact module AC 24 xx											

Device marking

Device marking for devices from other manufacturers



Lumberg

	UC-EM (10X8)	UC-EM (17,5X7,5)	UC-EM (19X9)	UC-EM (20X9)	UCT-EM (10X5)	UCT-EM (10X8)	UCT-EM (17,5X7,5)	UCT-EM (20X9)
INTERBUS remote bus terminal block								
PROFIBUS DP...								
CANopen® device CSL...								
DeviceNet™ device DSL...								
AS-Interface module								
Ethernet switch EEC...								
Sensor/actuator distributor ASB								
Valve adapter VAD...								
Valve adapter VBD...								
I/O module UEM...								
PROFIBUS DP PSL 7...								
AS-Interface module ASL 501								
AS-Interface ABAS/UTAS								
Terminal strip SBS4/LED-3								
Distributors E2C and SB8								
AS-Interface IBA, IBI, IBP								
ASB 2-VC-1A, ASB 8								
ASBM 12/LED 3, ASBSM 4/LED 3								
PROFIBUS 0970-PSL-651								

	UC-EM (17,5X8)	UC-EM (20X9)	UCT-EM (17,5X8)	UCT-EM (20X9)
Moeller				
Function relay DILET 11..., DILET 70..., EMR 4...				
Basic device and extension module EASY 2..., EASY 5..., EASY 6..., EASY 7..., EASY 200...				
Relay ZE..., ZEV...				
Contactor DILER, DILEM				

	UC-EM (17,5X9)	UC-EM (20X9)	UC-EM (21X8)	UCT-EM (5X10)	UCT-EM (10X5)	UCT-EM (17X9)	UCT-EM (17,5X8)	UCT-EM (17,5X9)	UCT-EM (17X8)	UCT-EM (20X8)	UCT-EM (20X9)	UCT-EM (21X8)
MURR ELEKTRONIK												
ASI IO SL DIO 8/4/4												
M8 distributors												
MSUD valve plug combination												
AS-i bus module MVK8												
MVPS8 sensor/actuator box												
B6 mini contact												
Initiator holder												
M12 Y cable												
Plastic M12 distributor systems												
MERINO												
Merio M12 8-way distributor 27106												
MVK12 AS-i bus module												
MVM8 Order No. 276658												
MVP 12 distributor: 4-way 27114												
MVP 12 distributor: 6-way 27115												
MVP 12 distributor: 8-way 27116												
MVP 12 AS-i module distributor 27773 to 27778												
Cube 67												
MASI												
MICO 4.6												
MVP 12 distributor: 4-way 27530, MVP 12 distributor: 8-way 27535												
MVK MP DI 08, DI 8 PROFIBUS												
AMMS/AMMDS												
AMZS/AMZSW, Order No. 276397												
AS/S01/DIL/RC-BUG2												
Cube 67 BN-P, KM 5, Logic distributor 8-way M12, Order No. 276247												
M12 distributor, MAW/MDW, MBM bus modules IP20, MBV series												
MIS system wiring, MKS/MKSxxx, MPOT, MSUD valve connection technology												
MSVD/MSDO, MSVS, MUFW/ME...W/MIB												
MVK-I bus module Order No. ME 553300												
NEF mains interference suppression filter, RMM/RMME, UFL/UG-SB/UGS/SV/LUGS/PKB												
Valve plug type A, B, Bl, C, Cl, distributor MVB 8V												

Marking and labeling - MARKING system

Device marking

Device marking for devices from other manufacturers



Pepperl & Fuchs

G6 compact modules

ASI VAA-2E-64SN (pneumatic module VAA)

AS-i bus module, G6 compact module, IPG-64-B7

VAS 2A-K 12 U, WA-4E-62-ZE

UC-EM (20X9)

UCT-EM (10X5)

UCT-EM (10X8)

UCT-EM (20X9)

Schneider Electric

Standard contactors GC 1610, 1611, 1620, 2502, 2510, 2511, 2520

Preselection contactors GY 1611, 1620, 2511, 2520

TeSys D series, D control relay, K, K control relay

TeSys model U

Standard contactors GC 1622, 1630, 1640, 2504, 2522, 2530, 2540

Standard contactors 4002, 4004, 4011, 4020, 4022, 4030, 4040, 6302, 6304, 6311, 6320, 6322, 6330, 6340, 10020, 10040

Preselection contactors GY 1640, 2530, 2540, 4020, 4030, 4040, 6320, 6330, 6340

Motor adjustment combination TeSys LD1...

Motor adjustment combination HL contactors LD 4...

Motor output/reversing combination LD5...

UC-EM (18X8)

UC-EM (21X8)

UCT-EM (17X8)

UCT-EM (18X8)

UCT-EM (21X8)

	UC-EM (10X7)	UC-EM (10X8)	UC-EM (20X7)	UC-EM (20X9)	EMT (50/28X13)R...	EMT (50X26)R...	EMT (EX14)R...	EMT (23X109)R...	EMT (31X12,5)R...	EMT (103X17)R...	EMT (103X23)R...	UCT-EM (10X7)	UCT-EM (10X8)	UCT-EM (15X10)	UCT-EM (20X7)	UCT-EM (20X9)
Siemens																
AS-i slaves I/O module K45.../K60...																
ASi-safe module K45.../K60..., mounting plate K45/K60																
AS-i slaves SlimLine S22.5.../S45...																
AS-i slaves counter module, ground fault detection module																
AS-i slaves surge protection module																
AS-i repeater, 4-way distributor, round cable distributor																
AS-i compact module K20...																
Contactors, auxiliary contactors, contactor combination, auxiliary switch block																
Auxiliary switch blocks 3RH 1921...																
EMC interference suppr. module																
Solid-state relay, solid-state contactor, special function module																
Circuit breaker, el. overload relay, therm. overload relay																
Soft starter, direct starter																
Motor management and control devices, timer relays, monitoring relays, safety relays																
ET 200S																
ET 200SP																
S7-300																
S7-400																
S7-1500																
Bus module ET 200X, contact block, Signum button series, 3SB3 button, switching element 3SB14...																
Motor circuit breaker																
End block 8WA1 808																

Device marking for devices from other manufacturers



Telemecanique

	UC-EM (18X8)	UC-EM (21X8)	UCT-EM (18X8)	UCT-EM (21X8)
Standard contactor GC 1610, 1611, 1620, 2502				
Standard contactor GC 1622, 1630, 1640, 2504				
Standard contactor GC 2510, 2511, 2520				
Standard contactor GC 2522, 2530, 2540				
Standard contactor GC 4002, 4004, 4011, 4020, 4022, 4030, 4040				
Standard contactor GC 6302, 6304, 6311, 6320, 6322, 6330, 6340				
Standard contactor GC 10020, 10040				
Preselection contactor GY 1611, 1620				
Preselection contactor GY 1640				
Preselection contactor GY 2511, 2520				
Preselection contactor GY 2530, 2540				
Preselection contactor GY 4020, 4030, 4040				
Preselection contactor GY 6320, 6330, 6340				
Motor output combination TeSys LD1...				
Motor output combination HL contactors LD4...				
Motor output combination/reversing combination LD5...				

	UC-EM (20X9)	UCT-EM (10X5)	UCT-EM (20X8)	UCT-EM (20X9)
Turck				
PLC distributor SDPB-0404D-006, SDPL-0404D-1003, SAI distributor				
JTBS-46SC				
8MB12-xxx, FLDP-IM-8, PDP-M81 / I16T				

	UCT-EM (12X7)	UCT-EM (17X9)
Wago		
Miniature circuit breaker		
I/O modules		

	UC1-TMF 5	UC1-TM 5	UCT1-TMF 5	UCT1-TM 5	UC-EM (19X9)	UC-EM (17,5X9)	UC-EM (20X9)	UCT-EM (17,5X9)	UCT-EM (20X9)
Weidmüller									
M8 distributor systems									
M5 distributor systems									
Actuator/sensor interface									
Actuator/sensor interface line									
M12 distributor systems									
M12 metal distributor systems									
SAI distributor									

Marker carriers from Phoenix Contact



Phoenix Contact	UC-EMP (27X8) US-EMP (27X8) US-EMLP (27X8) EML (26,5X7,5)R SR EMLP (27X8)R SR	UC-EMP (27X12,5) US-EMP (27X12,5) US-EMLP (27X12,5) EML (26,5X12)R SR EMLP (27X12,5)R SR	UC-EMP (27X15) US-EMP (27X15) US-EMLP (27X15) EMP-AL (27x15) EMLP-AL (27x15)	UC-EMP (27X18) US-EMP (27X18) US-EMLP (27X18) EML (26,5X17,5)R ... EMLP (27X18)R SR EMP-AL (27x18) EMLP-AI (27x18)	UC-EMP (27X27) US-EMP (27X27) US-EMLP (27X27) EML (26,5X26,5)R SR EMLP (27X27)R SR
CARRIER-EMP 22 (27 x 8)					
CARRIER-EMP 22 (27 x 12,5)					
CARRIER-EMP 22 (27 x 15)					
CARRIER-EMP 22 (27 x 18)					
CARRIER-EMP 22 (27 x 27)					
CARRIER-EMLP 22 (27 x 8)					
CARRIER-EMLP 22 (27 x 12,5)					
CARRIER-EMLP 22 (27 x 15)					
CARRIER-EMLP 22 (27 x 18)					
CARRIER-EMLP 22 (27 x 27)					

Phoenix Contact	UC-EMP (17X15) US-EMP (17X15)	UC-EMP (27X15) US-EMP (27X15) EMP-AL (27x15) EMLP-AL (27x15)	UC-EMP (49X15) US-EMP (49X15) EMP-AL (49x15)	UC-EMP (60X15) US-EMP (60X15) EMP-AL (60x15)	UC-EMP (60X30) US-EMP (60X30) EMP-AL (60x30)	US-EMP (85,6X54) EMP-AL (85,6x54)
CARRIER-EMP (17 x 15)						
CARRIER-EMP (27 x 15)						
CARRIER-EMP (49 x 15)						
CARRIER-EMP (60 x 15)						
CARRIER-EMP (60 x 30)						
CARRIER-EMP (85,6 x 54)						
CARRIER-EMP (1000 x 15)						
CARRIER-EMP (1000 x 15) TR						
CARRIER/L-EMP (1000 x 15)						
CARRIER/L-EMP (1000 x 15) TR						

Marker carriers from other manufacturers



	UC-EMP (17X15) US-EMP (17X15)	UC-EMLP (22x22)	UC-EMP (27X8) US-EMP (27X8)	UC-EMP (27X12,5) US-EMP (27X12,5)	UC-EMP (27X15) US-EMP (27X15)	UC-EMP (27X18) US-EMP (27X18)	UC-EMP (27X27) US-EMP (27X27)	UC-EMP (49X15) US-EMP (49X15)	UC-EMP (60X15) US-EMP (60X15)	UC-EMP (60X30) US-EMP (60X30)
ABB										
MA6-1060										
BSH-A										
BSH-B										
CONTA-CLIP										
GSU-H 17 x 15										
GSU-H 27 x 15										
GSU-H 49 x 15										
GSU-H 60 x 15										
GSU-H 60 x 30										
Grafoplast										
SIT 0A06...										
SIT 0A07...										
SIT 0B05...										
SIT 0B07...										
SIT 0B08...										
SIT 0B09...										
Moeller										
M22S-ST-X										
Murrplastik										
BT 22,5										
BTK 22,5										
BT Harmony ZB4										
BT 15/27										
BT 15/49										
Siemens										
3SB3922-0AY										
3SB3925-0AV										
3SB1906-2AA										
3SB1906-2AW										
Empty housing 3SB38...										
Weidmüller										
SM-H 27/12,5										
SM-H 27/18										
SM-H 27/27										
CC-H 15/17										
CC-H 15/27										
CC-H 15/49										
CC-H 30/60										



System marking - MARKING system

Clear and extensive marking of systems not only guarantees safety but is also a legal requirement. Safety and information signs provide important information and help to improve operational processes.

Phoenix Contact provides numerous marking labels for system marking. From warning labels to multicolored symbol signs, the extremely diverse product range covers all applications. We offer a range of printing systems for marking.

HF and UHF handheld devices and matching markers with transponder/tag are also available. With the RFMARK RFID system, data can be received, transmitted, and scanned on a contact-free basis and without visual contact.

Product range overview

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Unmarked magnetic labels, supplied in rolls	355



Unambiguous marking of systems helps to avoid operating errors and is therefore a key component of occupational safety. Information and safety signs also provide important information on site, making it easier to maintain systems.

Phoenix Contact provides a wide range of labels which meet the legal requirements for correct system marking. Depending on the type, they can be marked using the THERMOMARK LINE thermal transfer printers. The markers are characterized by a high level of wipe and scratch resistance.

The RFMARK-RFID system provides all the advantages of system marking using radio frequency identification handheld devices. The corresponding markers with transponder/tag can be marked with the BLUEMARK.

Please contact us if you are unable to find a suitable size or color for your application from the options available in our product range. It goes without saying that Phoenix Contact also provides a comprehensive marking service for system marking applications. Test us out!



PML-W warning labels

Warning labels are used to identify danger areas in systems and workshops. The unmarked warning labels allow you to create custom warning instructions.



PML-P prohibition signs

Prohibition signs prohibit potentially dangerous activities. They are therefore a key component of occupational health and safety.



PML-M mandatory signs

Mandatory signs prescribe a certain mode of behavior and are used to prevent accidents in the workplace.



PML-T pipeline signs

Pipeline markers are used to indicate fluids or gases. By removing the arrowhead that is not required, the direction of flow can also be defined.



PML-GHS hazardous substances labels

Hazardous substances labels are used for the additional marking of the pipeline markers if hazardous substances according to the Ordinance on Hazardous Substances (GefStoffV) are transported through the pipelines.



PMM magnetic labels

Magnetic labels provide a flexible solution if you do not wish to apply permanent marking. If required, they can be quickly attached to metallic surfaces and removed just as easily.

System marking

RFMARK RFID system



RFMARK high-frequency handheld

RFMARK HF is a powerful handheld device for contact-free reading and writing of HF transponders. The RFMARK HF can identify and locate HF transponders. Data can be received, transmitted, and scanned on a contact-free basis and without visual contact.



RFMARK ultra-high frequency handheld

The RFMARK UHF is a powerful handheld device which is equipped with a crossed dipole antenna. This allows UHF transponders to be written and read regardless of their position. Bulk detection of 150 transponders per second is also possible.

Dimensions

General data	[mm]
Degree of protection	
Temperature range	[°C]
Weight	[kg]
Frequency	[MHz]
Read/write format	[m]
Memory	
Display	

Description

Handheld, high-frequency range

Range up to 0.1 m, depending on the environment

Handheld, ultra-high frequency range

Range up to 2.0 m, depending on the environment



Advantages and accessories

- Advantages of the RFMARK readers:
 - Easy operation via touch screen
 - Low power consumption and long battery life
 - 1D laser scanner and 2D imager

Matching accessories

You can make optimum use of the RFMARK readers and ensure they are as user-friendly as possible with our reader accessories.



Radio-frequency identification, RFID

Used for contact-free identification, data exchange, and localization of transponders/tags without visual contact. With the aid of an RFID handheld device, which acts as a transmitter and receiver, data is transmitted to and received from a transponder/tag by electromagnetic waves (UHF) or a magnetic field (HF).

Charging and data exchange station, with replacement battery, connection for USB 2.0 and Ethernet, charger,

For RFMARK HF, with power supply unit and power cable (EU/UK)

for RFMARK UHF, with power supply unit and power cable (EU/UK/US/CN)

Replacement battery,

For RFMARK HF, Li-ion 7.4 V, 2.6 Ah

For RFMARK UHF, Li-ion 3.7 V, 2.26 Ah

Protective bag, with strap, protection against splash water, touch screen operation not possible for RFMARK HF

Belt pouch, touch screen can be operated, for RFMARK HF

For RFMARK UHF

Read and write USB stick,

Crossed dipole antenna, range: 1 m



Handheld, high-frequency (HF)



Handheld, ultra-high frequency (UHF)

Technical data		
Width	Length	Height
90	250	45
IP54		
-20 ... 55		
0.55		
13.56		
max. 0.1		
256 MB DDR RAM		
3.5" color touch screen		

Ordering data		
Type	Order No.	Pcs. / Pkt.
RFMARK HF	5148010	1

Accessories		
RFMARK HF POWER LINK STATION	5148013	1
RFMARK HF/ACCU	5148015	1
RFMARK HF PROTECTION CASE	5148017	1
RFMARK HF/BELTPOUCH	5148018	1

Technical data		
Width	Length	Height
60	147	39
IP54		
-20 ... 55		
0.235		
868		
max. 2		
256 MB DDR RAM		
2.2" color touch screen		

Ordering data		
Type	Order No.	Pcs. / Pkt.
RFMARK UHF	5148011	1

Accessories		
RFMARK UHF POWER LINK STATION	5148014	1
RFMARK UHF/ACCU	5148016	1
RFMARK UHF/BELTPOUCH	5148021	1
RFMARK UHF FD	5148012	1

Marking and labeling - MARKING system

System marking

Stick-on system marking with RFID transponder

Can be marked using:



UV LED technology



Self-adhesive label with integrated RFID transponder

Markers

- The PMLP-RFID ... marking range includes self-adhesive markers for system marking, pre-mounted in a frame, with good adhesive properties
- The markers are integrated in a uniform matrix and can be printed quickly and easily with the BLUEMARK CLED
- The format automatically ensures printing with a high level of positional accuracy
- The wide temperature range means that the labels can be used both indoors and outdoors

Inlays

- The HF transponder inlays comply with ISO 15693 and ISO 18000-3 mode 1
- The UHF transponder inlays comply with EPC Class 1 Gen 2 and ISO 18000-6C

General data

Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

BLUEMARK CLED
PVC/PC
-
-25 ... 80
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Self-adhesive plastic label , in a frame, with integrated HF transponder				
1-section, lettering field size: 90 x 38 mm, reading performance: max. 0.1 m, depending on the environment	white	PMLP-RFID/HF (90X38)	0830956	10
1-section, lettering field size: 110 x 38 mm, reading performance: 0.1 m, depending on the environment	white	PMLP-RFID/HF (110X38)	0831030	10
UniCard , self-adhesive plastic label, with integrated UHF transponder				
1-section, lettering field size: 90 x 38 mm, reading performance: max. 2.0 m, depending on the environment	white	PMLP-RFID/UHF (90X38)	0830957	10
1-section, lettering field size: 110 x 38 mm, reading performance: 2.0 m, depending on the environment	white	PMLP-RFID/UHF (110X38)	0831031	10



System marking for inserting into marker carriers, with RFID transponder

Can be marked using:



UV LED technology



Label with integrated RFID transponder

Markers

- The PMP-RFID ... marking range includes markers for system marking, pre-mounted in a frame, specially designed to fit into existing CARRIER-PMP (108/110x38) marker carriers
- The markers are integrated in a uniform matrix and can be printed quickly and easily with the BLUEMARK CLED
- The format automatically ensures printing with a high level of positional accuracy
- The wide temperature range means that the labels can be used both indoors and outdoors
- The CARRIER-PM(L)P ... can be equipped with colored PMST markers according to DIN 2403

Inlays

- The HF transponder inlays comply with ISO 15693 and ISO 18000-3 mode 1
- The UHF transponder inlays comply with EPC Class 1 Gen 2 and ISO 18000-6C

General data

Can be marked using	BLUEMARK CLED
Material	PVC/PC
Inflammability class according to UL 94	V0
Temperature range	-25 ... 80
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and cadmium

Technical data

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plastic label, in a frame, with integrated HF transponder				
1-section, lettering field size: 90 x 38 mm, reading performance: max. 0.1 m, depending on the environment	white	PMP-RFID/HF (90X38)	0830954	10
1-section, lettering field size: 110 x 38 mm, reading performance: 0.1 m, depending on the environment	white	PMP-RFID/HF (110X38)	0831028	10
UniCard, plastic label with integrated UHF transponder				
1-section, lettering field size: 90 x 38 mm, reading performance: max. 2.0 m, depending on the environment	white	PMP-RFID/UHF (90X38)	0830955	10
1-section, lettering field size: 90 x 38 mm, reading performance: max. 2.0 m, depending on the environment	orange	PMP-RFID/UHF (90X38) OG	0803048	10
1-section, lettering field size: 110 x 38 mm, reading performance: 2.0 m, depending on the environment	white	PMP-RFID/UHF (110X38)	0831029	10

System marking

System marking for sticking on or inserting into marker carriers

Can be marked using:



UV LED technology



Unmarked or marked according to customer specifications

- The UniCard UC-PMLP ... marking range includes self-adhesive markers for system marking, with good adhesive properties
- The UniCard UC-PMP ... marking range includes markers for system marking, specially designed to fit into existing CARRIER-PM(L)P... marker carriers
- The format automatically ensures printing with a high level of positional accuracy
- The wide temperature range means that the labels can be used both indoors and outdoors
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements
- The CARRIER-PM(L)P ... can be equipped with colored PMST markers according to DIN 2403

General data	
Can be marked using	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data	
BLUEMARK CLED	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Description	Color
UniCard, with self-adhesive plastic label, 1-section,	
lettering field size: 90 x 38 mm	white
Lettering field size: 110 x 38 mm	white
UniCard, plastic label, 1-section	
lettering field size: 90 x 38 mm	white
lettering field size: 90 x 38 mm	
Lettering field size: 110 x 38 mm	white

Ordering data		
Type	Order No.	Pcs. / Pkt.
UC-PMLP (90X38)	0831017	10
UC-PMLP (110X38)	0831020	10



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Unmarked or marked according to customer specifications

Technical data

BLUEMARK CLED
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-PMP (90X38)	0831016	10
UC-PMP (90X38) YE	0831046	10
UC-PMP (90X38) VT	0831047	10
UC-PMP (90X38) BU	0831048	10
UC-PMP (110X38)	0831019	10



For mounting with screws, screw clamps, or cable binders

- CARRIER PMP (108x38) is a flexible marker carrier for the UC-PMP... and PMP-RFID... labels with a width of 90 mm
- The PMST markers for media marking according to DIN 2403 are designed specifically for the CARRIER-PMP (108x38)
- The RVT-PA 3,5 BK fixing rivet is suitable for fixing the PMST markers in the different CARRIER-PM(L)P ...
- The CARRIER-PMP can be attached to pipes using the SCRT ... hose clamp or the WT ... cable binder

1) RVT-PA...BK rivet for fixing PMST ... marker strips to the CARRIER-PMP ...

General data	
Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data
PA
V2
-40 ... 105
-
Free from silicone and halogen

Description	Color
Marker carrier , for UC-PMP... and PMP-RFID... labels that can be inserted	black
Carrier size: 108 x 38 mm	
Marking label for conveyed fluids , for equipping CARRIER-PMP ... according to DIN 2403	white
	yellow
	orange
	red
	violet
	green
	gray
	brown
	blue
	black

Plastic body-bound rivet, 3.5 mm diameter¹⁾

Ordering data		
Type	Order No.	Pcs. / Pkt.

CARRIER-PMP (108X38)	0830958	10

Mounting strip, can be screwed, for CARRIER-PMP ...



For attachment to the CARRIER-PMP (108x38) using rivets



Rivet for attaching the PMST markers



Screw clamp for attachment to pipes

Technical data		
PVC		
V0		
-30 ... 80		
DIN EN 61010-1 (VDE 0411-1)		
Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PMST (9X38)	0830960	100
PMST (9X38) YE	0830964	100
PMST (9X38) OG	0830966	100
PMST (9X38) RD	0830962	100
PMST (9X38) VT	0830967	100
PMST (9X38) GN	0830961	100
PMST (9X38) GY	0830963	100
PMST (9X38) BN	0830968	100
PMST (9X38) BU	0830969	100
PMST (9X38) BK	0830965	100

Technical data		
PVC		
-		
-30 ... 80		
-		
-		
Ordering data		
Type	Order No.	Pcs. / Pkt.
RVT-PA 3,5 BK	0830959	100

Technical data		
Chromium steel 1.4016		
-		
-		
-		
Ordering data		
Type	Order No.	Pcs. / Pkt.
SCRT 9X16-27	0830970	50
SCRT 9X25-40	0830971	50
SCRT 9X40-60	0830972	25
SCRT 9X60-80	0830973	25
SCRT 9X80-100	0830974	25
SCRT 9X100-120	0830975	25
SCRT 9X140-160	0830976	25
SCRT 9X160-180	0830977	25
SCRT 9X180-200	0830978	25

System marking

Marker carrier for UC-PMP... and PMP-RFID... markers



- The CARRIER-PMP (110x38) is designed for mounting the UC-PMP ... and PMP-RFID ... labels. The carrier features snap-in pins which prevent the labels and the PM(S)T markers from falling out
- The self-adhesive CARRIER/L-PMP-ENCLOSED (110x38) consists of a closed housing and has an adhesive strip on the rear side for direct fixing onto smooth and clean surfaces. For difficult surfaces, it is also possible to fix the carrier with two M5 countersunk screws. The carrier is equipped with detents that prevent the labels and the PM(S)T marker from falling out
- The CARRIER-PMP-ENCLOSED (110x38) consists of a closed housing and is designed for the UC-PMP ... and PMP-RFID ... labels. Mounting takes place by screwing two M5 countersunk screws. The carrier is equipped with detents that prevent the labels and the PM(S)T marker from falling out
- The PMT and PMST (10 x 38) markers for media marking according to DIN 2403 are designed specifically for the CARRIER-PM(L)P... (110x38). These can be inserted quickly and easily into the carriers. The PMST (10x38) label has a hole for additional fixing in the three different carriers ... (110x38) using the RVT-PA 3,5 BK fixing rivet



For mounting with screws, screw clamps or cable binders

General data		Technical data		
Material		PA		
Inflammability class according to UL 94		V2		
Temperature range	[°C]	-40 ... 105		
Wipe resistance		-		
Components		Free from silicone and halogen		
Description		Ordering data		
	Color	Type	Order No.	Pcs. / Pkt.
Marker carrier , for UC-PMP... and PMP-RFID labels that can be inserted, carrier size 110 x 38 mm	black	CARRIER-PMP (110X38)	0831056	10
Closed, self-adhesive marker carrier , for UC-PMP... and PMP-RFID labels that can be inserted, carrier size 110 x 38 mm	black			
Closed marker carrier , for UC-PMP... and PMP-RFID labels that can be inserted, carrier size 140 x 68 mm	black			
Marking label for conveyed fluids, for equipping CARRIER-PMP (110x38), CARRIER/L-PMP (110x38), and CARRIER-PMP-ENCLOSED (110x38) according to DIN 2403	white yellow orange red violet green gray brown blue black			
Marking label for conveyed fluids, with centered hole, for additional attachment with a plastic expanding rivet, for equipping CARRIER-PMP (110x38), CARRIER/L-PMP (110x38), and CARRIER-PMP-ENCLOSED (110x38) according to DIN 2403	white yellow orange red violet green gray brown blue black			



For sticking or screwing on



For mounting with screws



Media markers for inserting into carriers

Technical data
PA
V2
-40 ... 105
-
Free from silicone and halogen

Ordering data
Type
Order No.
Pcs. / Pkt.

CARRIER/L-PMP-ENCLOSED (110X38)	0831062	10
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Technical data
PA
V2
-40 ... 105
-
Free from silicone and halogen

Ordering data
Type
Order No.
Pcs. / Pkt.

CARRIER-PMP-ENCLOSED (110X38)	0831068	10
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Technical data
PVC
-
-30 ... 80
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and cadmium

Ordering data
Type
Order No.
Pcs. / Pkt.

PMT (10X38)	0831086	100
PMT (10X38) YE	0831087	100
PMT (10X38) OG	0831088	100
PMT (10X38) RD	0831089	100
PMT (10X38) VT	0831090	100
PMT (10X38) GN	0831091	100
PMT (10X38) GY	0831092	100
PMT (10X38) BN	0831093	100
PMT (10X38) BU	0831094	100
PMT (10X38) BK	0831095	100

PMST (10X38)	0831076	100
PMST (10X38) YE	0831077	100
PMST (10X38) OG	0831078	100
PMST (10X38) RD	0831079	100
PMST (10X38) VT	0831080	100
PMST (10X38) GN	0831081	100
PMST (10X38) GY	0831082	100
PMST (10X38) BN	0831083	100
PMST (10X38) BU	0831084	100
PMST (10X38) BK	0831085	100

Marking and labeling - MARKING system

System marking

UniSheet - stick-on warning labels, unmarked

Can be marked using:



Thermal transfer for sheets and cards

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Unmarked or marked according to customer specifications

The unmarked US-PML warning labels allow you to create custom warning instructions. A variety of symbols are available in the CLIP PROJECT software. The warning labels offer the following features:

- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The warning labels conform to the ISO 7010 international standard
- The format automatically ensures printing with a high degree of positioning accuracy
- Marking service: Phoenix Contact can custom-mark all US-PML ... warning labels according to your requirements

General data

Can be marked using	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

THERMOMARK CARD
PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color
UniSheet , with self-adhesive warning labels, triangular	
24-section, side length: 25 mm	yellow
6-section, side length: 50 mm	yellow
1-section, side length: 100 mm	yellow
UniSheet , with self-adhesive warning labels, triangular with additional rectangular lettering field	
16-section, side length: 25 mm	yellow
4-section, side length: 50 mm	yellow
1-section, side length: 100 mm	yellow

Type	Order No.	Pcs. / Pkt.
US-PML-W100 (25X25)	1014125	10
US-PML-W100 (50X50)	1014126	10
US-PML-W100 (100X100)	1014127	10
US-PML-W200 (25X25)	1014131	10
US-PML-W200 (50X50)	1014132	10
US-PML-W200 (100X100)	1014133	10

Magazine, for THERMOMARK CARD..., for accommodating all US-materials

Ink ribbon, length: 300 m, width: 110 mm

Accessories

THERMOMARK CARD-US-MAG1	5146451	1
THERMOMARK-RIBBON 110-TC	0801371	1

Stick-on warning labels, unmarked

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

The unmarked PML warning labels allow you to create custom warning instructions. A variety of symbols are available in the CLIP PROJECT software. The warning labels offer the following features:

- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- The warning labels conform to the ISO 7010 international standard
- Marking service: Phoenix Contact can custom-mark all PML ... warning labels according to your requirements

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2
PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Warning label, triangular				
500 labels per roll, side length: 25 mm	yellow	PML-W100 (25X25)R	0830429	1
500 labels per roll, side length: 50 mm	yellow	PML-W100 (50X50)R	0830430	1
250 labels per roll, side length: 100 mm	yellow	PML-W100 (100X100)R	0830431	1
Warning label, triangular, additional rectangular lettering field				
500 labels per roll, side length: 25 mm	yellow	PML-W200 (25X25)R	0830451	1
500 labels per roll, side length: 50 mm	yellow	PML-W200 (50X50)R	0830452	1
250 labels per roll, side length: 100 mm	yellow	PML-W200 (100X100)R	0830453	1
Warning label, rectangular				
500 labels per roll, width: 52 mm, height: 26 mm	yellow	PML-W300 (52X26)R	0830458	1
500 labels per roll, width: 74 mm, height: 37 mm	yellow	PML-W300 (74X37)R	0830459	1
250 labels per roll, width: 105 mm, height: 52 mm	yellow	PML-W300 (105X52)R	0830460	1

Ink ribbon, length: 300 m, width: 110 mm

Accessories

THERMOMARK-RIBBON 110 5145384 1

System marking

Stick-on warning labels, triangular with lightning flash



The PML warning labels are available with various warning instructions. The warning labels offer the following features:

- Printed cards
- Suitable for indoor and outdoor use
- The warning labels conform to the ISO 7010 international standard

General data		Technical data		
Material		PVC		
Temperature range		-40 ... 90		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Silicone-free		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
Warning label , triangular, with lightning flash				
25 labels per sheet, side length: 25 mm	yellow	PML-W101 (25X25)	0830433	5
9 labels per sheet, side length: 50 mm	yellow	PML-W101 (50X50)	0830434	5
9 labels per sheet, side length: 100 mm	yellow	PML-W101 (100X100)	0830435	5
1 label per sheet, side length: 200 mm	yellow	PML-W101 (200X200)	0830436	5

Stick-on warning labels, triangular with lightning flash and details of voltage

- Printed cards
- Suitable for indoor and outdoor use
- The warning labels conform to the ISO 7010 international standard



General data		Technical data			Technical data		
Material		PVC			PVC		
Temperature range	[°C]	-40 ... 90			-40 ... 90		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)			DIN EN 61010-1 (VDE 0411-1)		
Components		Silicone-free			Silicone-free		
		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Warning label , triangular with lightning flash, additional rectangular lettering field, printed text in German/English: "Spannung Voltage"							
16 labels per sheet, side length: 25 mm	yellow	PML-W201 (25X25)	0830454	5			
4 labels per sheet, side length: 50 mm	yellow	PML-W201 (50X50)	0830455	5			
4 labels per sheet, side length: 100 mm	yellow	PML-W201 (100X100)	0830456	5			
1 label per sheet, side length: 200 mm	yellow	PML-W201 (200X200)	0830457	5			
Warning label , triangular, with lightning flash, additional rectangular lettering field, printed text: 230 V							
16 labels per sheet, side length: 25 mm	yellow				PML-W202 (25X25)	0830437	5
4 labels per sheet, side length: 50 mm	yellow				PML-W202 (50X50)	0830438	5
4 labels per sheet, side length: 100 mm	yellow				PML-W202 (100X100)	0830439	5
1 label per sheet, side length: 200 mm	yellow				PML-W202 (200X200)	0830440	5
Warning label , triangular, additional rectangular lettering field, printed items: lightning flash and 400 V							
16 labels per sheet, side length: 25 mm	yellow				PML-W203 (25X25)	0830441	5
4 labels per sheet, side length: 50 mm	yellow				PML-W203 (50X50)	0830442	5
4 labels per sheet, side length: 100 mm	yellow				PML-W203 (100X100)	0830443	5
1 label per sheet, side length: 200 mm	yellow				PML-W203 (200X200)	0830444	5
Warning label , triangular, additional rectangular lettering field, printed items: lightning flash and 120 V							
4 labels per sheet, side length: 50 mm	yellow				PML-W204 (50X50)	0830445	5
4 labels per sheet, side length: 100 mm	yellow				PML-W204 (100X100)	0830446	5
1 label per sheet, side length: 200 mm	yellow				PML-W204 (200X200)	0830447	5
Warning label , triangular, additional rectangular lettering field, printed items: lightning flash and 240 V							
4 labels per sheet, side length: 50 mm	yellow				PML-W205 (50X50)	0830448	5
4 labels per sheet, side length: 100 mm	yellow				PML-W205 (100X100)	0830449	5
1 label per sheet, side length: 200 mm	yellow				PML-W205 (200X200)	0830450	5

Marking and labeling - MARKING system

System marking

Stick-on warning labels, with lightning flash and warning instruction

- Printed cards
- Suitable for indoor and outdoor use



General data			Technical data		
Material			PVC		
Temperature range		[°C]	-40 ... 90		
Wipe resistance			DIN EN 61010-1 (VDE 0411-1)		
Components			Silicone-free		
			Ordering data		
Description	Color		Type	Order No.	Pcs. / Pkt.
Warning label , rectangular, with lightning flash, printed text in German/English: "Danger! High voltage when main switch is off"					
4 labels per sheet, W x H: 52 x 26 mm	yellow		PML-W301 (52X26)	0830461	5
3 labels per sheet, W x H: 74 x 37 mm	yellow		PML-W301 (74X37)	0830462	5
4 labels per sheet, W x H: 105 x 52 mm	yellow		PML-W301 (105X52)	0830463	5
2 labels per sheet, W x H: 200 x 100 mm	yellow		PML-W301 (200X100)	0830464	5
Warning label , rectangular, printed text in German: "Achtung! Vor Öffnen des Gehäuses Netzstecker ziehen!"					
4 labels per sheet, W x H: 52 x 26 mm	yellow				
3 labels per sheet, W x H: 74 x 37 mm	yellow				
4 labels per sheet, W x H: 105 x 52 mm	yellow				
2 labels per sheet, W x H: 200 x 100 mm	yellow				
Warning label , rectangular, with lightning flash, printed text in English: "Caution! Before opening housing, pull main plug!"					
4 labels per sheet, W x H: 52 x 26 mm	yellow				
3 labels per sheet, W x H: 74 x 37 mm	yellow				
4 labels per sheet, W x H: 105 x 52 mm	yellow				
2 labels per sheet, W x H: 200 x 100 mm	yellow				
Warning label , rectangular, printed text in German: "Achtung! Vor Öffnen des Gehäuses Hauptschalter ausschalten!"					
4 labels per sheet, W x H: 52 x 26 mm	yellow				
3 labels per sheet, W x H: 74 x 37 mm	yellow				
4 labels per sheet, W x H: 105 x 52 mm	yellow				
2 labels per sheet, W x H: 200 x 100 mm	yellow				
Warning label , rectangular, with lightning flash, printed text in English: "Caution! Before opening housing, turn off main power switch!"					
4 labels per sheet, W x H: 52 x 26 mm	yellow				
3 labels per sheet, W x H: 74 x 37 mm	yellow				
4 labels per sheet, W x H: 105 x 52 mm	yellow				
2 labels per sheet, W x H: 200 x 100 mm	yellow				



Technical data

PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Type	Order No.	Pcs. / Pkt.
PML-W302 (52X26)	0830465	5
PML-W302 (74X37)	0830466	5
PML-W302 (105X52)	0830467	5
PML-W302 (200X100)	0830468	5
PML-W303 (52X26)	0830469	5
PML-W303 (74X37)	0830470	5
PML-W303 (105X52)	0830471	5
PML-W303 (200X100)	0830472	5
PML-W304 (52X26)	0830473	5
PML-W304 (74X37)	0830474	5
PML-W304 (105X52)	0830475	5
PML-W304 (200X100)	0830476	5
PML-W305 (52X26)	0830477	5
PML-W305 (74X37)	0830478	5
PML-W305 (105X52)	0830479	5
PML-W305 (200X100)	0830480	5

Marking and labeling - MARKING system

System marking

UniSheet - stick-on prohibition signs, color preprinted without symbols



- The color preprinted US PML-P prohibition signs on US cards allow you to create custom prohibition notices
- A variety of symbols are available in the CLIP PROJECT software

Notes:

For accessories, visit phoenixcontact.net/products



General data

Can be marked using	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

THERMOMARK CARD
PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color
Prohibition sign , color preprinted, without symbols	
4-section, diameter: 50 mm	red/white
1-section, diameter: 100 mm	red/white

Type	Order No.	Pcs. / Pkt.
US-PML-P100 (D50)	1014217	10
US-PML-P100 (D100)	1014218	10

Magazine, for THERMOMARK CARD..., for accommodating all US-materials

Ink ribbon, length: 300 m, width: 110 mm

Accessories

THERMOMARK CARD-US-MAG1	5146451	1
THERMOMARK-RIBBON 110-TC	0801371	1

Stick-on prohibition signs, color preprinted, without symbols



The color preprinted PML-P prohibition signs on a roll allow you to create custom prohibition notices. A variety of symbols are available in the CLIP PROJECT software. The prohibition signs offer the following features:

- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The prohibition signs conform to the ISO 7010 international standard
- The format automatically ensures printing with a high level of positional accuracy
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- Marking service: Phoenix Contact can custom-mark all PML ... markers according to your requirements



Unmarked

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2
PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color
Prohibition sign, color preprinted, without symbols	
500 labels per roll, diameter: 50 mm	red/white
250 labels per roll, diameter: 100 mm	red/white

Type	Order No.	Pcs. / Pkt.
PML-P100 (D50)R	1014225	1
PML-P100 (D100)R	1014226	1

Ink ribbon, length: 300 m, width: 110 mm

Accessories

THERMOMARK-RIBBON 110	5145384	1
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System marking

Stick-on prohibition signs, preprinted with symbols



The PML-P... prohibition signs are available with various symbols. The prohibition signs offer the following features:

- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The mandatory signs conform to the ISO 7010 international standard



Symbol - No smoking

General data

Material	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color
Prohibition sign, preprinted with "No smoking" symbol	
3-section, diameter: 50 mm	red/white
3-section, diameter: 100 mm	red/white
1-section, diameter: 200 mm	red/white
Prohibition sign, preprinted with "Do not connect" symbol	
3-section, diameter: 50 mm	red/white
3-section, diameter: 100 mm	red/white
1-section, diameter: 200 mm	red/white
Prohibition sign, preprinted with "Forbidden for persons with pacemakers" symbol	
3-section, diameter: 50 mm	red/white
3-section, diameter: 100 mm	red/white
1-section, diameter: 200 mm	red/white
Prohibition sign, preprinted with "Do not touch" symbol	
3-section, diameter: 50 mm	red/white
3-section, diameter: 100 mm	red/white
1-section, diameter: 200 mm	red/white

Type	Order No.	Pcs. / Pkt.
PML-P101 (D50)	1014184	5
PML-P101 (D100)	1014185	5
PML-P101 (D200)	1014186	5



Symbol - Do not connect


Symbol - Forbidden for persons with
pacemakers


Symbol - Do not touch

Technical data		
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-P102 (D50)	1014187	5
PML-P102 (D100)	1014188	5
PML-P102 (D200)	1014189	5

Technical data		
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-P103 (D50)	1014190	5
PML-P103 (D100)	1014191	5
PML-P103 (D200)	1014192	5

Technical data		
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-P104 (D50)	1014193	5
PML-P104 (D100)	1014194	5
PML-P104 (D200)	1014195	5

Marking and labeling - MARKING system

System marking

Stick-on prohibition signs, preprinted with symbols

- Printed cards
- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The mandatory signs conform to the ISO 7010 international standard



Symbol - Do not walk here



Symbol - No fire, naked lights or smoking

General data			Technical data			Technical data		
Material			PVC			PVC		
Temperature range	[°C]		-40 ... 90			-40 ... 90		
Wipe resistance			DIN EN 61010-1 (VDE 0411-1)			DIN EN 61010-1 (VDE 0411-1)		
Components			Silicone-free			Silicone-free		
Ordering data			Ordering data			Ordering data		
Description	Color		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Prohibition sign , preprinted with "Do not walk here" symbol								
3-section, diameter: 50 mm	red/white		PML-P105 (D50)	1014196	5			
3-section, diameter: 100 mm	red/white		PML-P105 (D100)	1014197	5			
1-section, diameter: 200 mm	red/white		PML-P105 (D200)	1014198	5			
Prohibition sign , preprinted with "No fire, naked lights or smoking" symbol								
3-section, diameter: 50 mm	red/white					PML-P106 (D50)	1014199	5
3-section, diameter: 100 mm	red/white					PML-P106 (D100)	1014200	5
1-section, diameter: 200 mm	red/white					PML-P106 (D200)	1014201	5
Prohibition sign , preprinted with "Do not reach in" symbol								
3-section, diameter: 50 mm	red/white							
3-section, diameter: 100 mm	red/white							
1-section, diameter: 200 mm	red/white							
Prohibition sign , preprinted with "Do not extinguish with water" symbol								
3-section, diameter: 50 mm	red/white							
3-section, diameter: 100 mm	red/white							
1-section, diameter: 200 mm	red/white							
Prohibition sign , preprinted with "No mobile phones" symbol								
3-section, diameter: 50 mm	red/white							
3-section, diameter: 100 mm	red/white							
1-section, diameter: 200 mm	red/white							



Symbol - Do not reach in



Symbol - Do not extinguish with water



Symbol - No mobile phones

Technical data		
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-P107 (D50)	1014202	5
PML-P107 (D100)	1014203	5
PML-P107 (D200)	1014204	5

Technical data		
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-P108 (D50)	1014205	5
PML-P108 (D100)	1014206	5
PML-P108 (D200)	1014207	5

Technical data		
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-P109 (D50)	1014208	5
PML-P109 (D100)	1014209	5
PML-P109 (D200)	1014210	5

System marking

Stick-on prohibition signs, preprinted with symbols

- Printed cards
- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The mandatory signs conform to the ISO 7010 international standard



Symbol - No food

General data		Technical data		
Material		PVC		
Temperature range	[°C]	-40 ... 90		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Components		Silicone-free		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
Prohibition sign , preprinted with "No food" symbol				
3-section, diameter: 50 mm	red/white	PML-P110 (D50)	1014211	5
3-section, diameter: 100 mm	red/white	PML-P110 (D100)	1014212	5
1-section, diameter: 200 mm	red/white	PML-P110 (D200)	1014213	5
Prohibition sign , preprinted with "No access for unauthorized persons" symbol				
3-section, diameter: 50 mm	red/white			
3-section, diameter: 100 mm	red/white			
1-section, diameter: 200 mm	red/white			



Symbol - No access for unauthorized persons

Technical data

PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Type	Order No.	Pcs. / Pkt.
PML-P111 (D50)	1014214	5
PML-P111 (D100)	1014215	5
PML-P111 (D200)	1014216	5

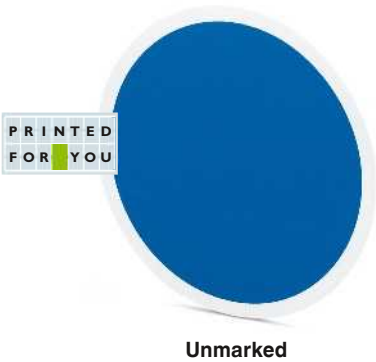
System marking

UniSheet - stick-on mandatory signs, color preprinted, without symbols

Can be marked using:



Thermal transfer for sheets and cards



Unmarked

The unmarked US-PML-M mandatory signs on US cards allow you to create custom information signs. A variety of symbols are available in the CLIP PROJECT software. The mandatory signs offer the following features:

- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The mandatory signs conform to the ISO 7010 international standard
- The markers, which are supplied in uniform sheets, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- The format automatically ensures printing with a high level of positional accuracy
- The perforated markers are easy to separate
- Marking service: Phoenix Contact can custom-mark all US-PML ... markers according to your requirements

General data	
Can be marked using	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Description	Color
Mandatory sign, color preprinted, without symbols	
4-section, diameter: 50 mm	blue
1-section, diameter: 100 mm	blue

Magazine, for THERMOMARK CARD..., for accommodating all US-materials	
Ink ribbon, specially for US-PML..., US-EMLF...,	
Length: 240 m, width: 110 mm	white

Technical data	
THERMOMARK CARD	
PVC	
-40 ... 90	
DIN EN 61010-1 (VDE 0411-1)	
Silicone-free	

Ordering data		
Type	Order No.	Pcs. / Pkt.
US-PML-M100 (D50)	1014176	10
US-PML-M100 (D100)	1014177	10

Accessories		
THERMOMARK CARD-US-MAG1	5146451	1
TM-RIBBON 110-TC/TR WH	1014402	1

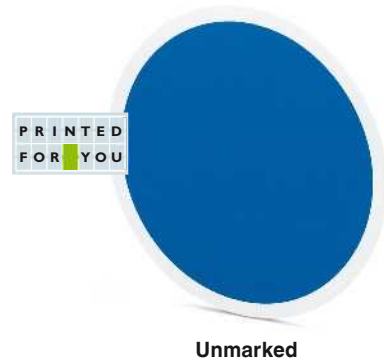
Stick-on mandatory signs, color preprinted, without symbols



Can be marked using:



Thermal transfer for rolls



The color preprinted PML-M mandatory signs on a roll allow you to create custom mandatory notices. A variety of symbols are available in the CLIP PROJECT software. The mandatory signs offer the following features:

- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The mandatory signs conform to the ISO 7010 international standard
- The format automatically ensures printing with a high level of positional accuracy
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements

General data

Can be marked using

Material

Temperature range

Wipe resistance

Components

[°C]

Technical data

THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2
PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Mandatory sign, color preprinted, without symbols				
500 labels per roll, diameter: 50 mm	blue	PML-M100 (D50)R	1014180	1
250 labels per roll, diameter: 100 mm	blue	PML-M100 (D100)R	1014181	1

Ink ribbon, specially for US-PML..., US-EMLF...,

Length: 240 m, width: 110 mm

white

Accessories

Type	Order No.	Pcs. / Pkt.
TM-RIBBON 110-TC/TR WH	1014402	1

System marking

Stick-on mandatory signs, preprinted, with symbols



The PML-M mandatory signs are available with various symbols. The mandatory signs offer the following features:

- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The mandatory signs conform to the ISO 7010 international standard



Symbol - General mandatory action symbol

General data

Material	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data

PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Description	Color
Mandatory sign , preprinted with "General mandatory action" symbol	
3-section, diameter: 50 mm	blue
3-section, diameter: 100 mm	blue
1-section, diameter: 200 mm	blue
Mandatory sign , preprinted with "Wear safety goggles" symbol	
3-section, diameter: 50 mm	blue
3-section, diameter: 100 mm	blue
1-section, diameter: 200 mm	blue
Mandatory sign , preprinted with "Observe instructions for use" symbol	
3-section, diameter: 50 mm	blue
3-section, diameter: 100 mm	blue
1-section, diameter: 200 mm	blue
Mandatory sign , preprinted with "Wear ear protectors" symbol	
3-section, diameter: 50 mm	blue
3-section, diameter: 100 mm	blue
1-section, diameter: 200 mm	blue

Type	Order No.	Pcs. / Pkt.
PML-M101 (D50)	1014137	5
PML-M101 (D100)	1014138	5
PML-M101 (D200)	1014139	5



Symbol - Wear safety goggles



Symbol - Observe instructions for use



Symbol - Wear ear protectors

Technical data		
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-M102 (D50)	1014140	5
PML-M102 (D100)	1014141	5
PML-M102 (D200)	1014142	5

Technical data		
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-M103 (D50)	1014143	5
PML-M103 (D100)	1014144	5
PML-M103 (D200)	1014145	5

Technical data		
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-M104 (D50)	1014146	5
PML-M104 (D100)	1014147	5
PML-M104 (D200)	1014148	5

Marking and labeling - MARKING system

System marking

Stick-on mandatory signs, preprinted, with symbols

Printed cards

- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The mandatory signs conform to the ISO 7010 international standard



Symbol - Wear face shield



Symbol - Wear safety helmet

		Technical data			Technical data		
General data							
Material		PVC			PVC		
Temperature range	[°C]	-40 ... 90			-40 ... 90		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)			DIN EN 61010-1 (VDE 0411-1)		
Components		Silicone-free			Silicone-free		
		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Mandatory sign, preprinted with "Wear face shield" symbol							
3-section, diameter: 50 mm	blue	PML-M105 (D50)	1014149	5			
3-section, diameter: 100 mm	blue	PML-M105 (D100)	1014150	5			
1-section, diameter: 200 mm	blue	PML-M105 (D200)	1014151	5			
Mandatory sign, preprinted with "Wear safety helmet" symbol							
3-section, diameter: 50 mm	blue				PML-M106 (D50)	1014152	5
3-section, diameter: 100 mm	blue				PML-M106 (D100)	1014153	5
1-section, diameter: 200 mm	blue				PML-M106 (D200)	1014154	5
Mandatory sign, preprinted with "Use face mask" symbol							
3-section, diameter: 50 mm	blue						
3-section, diameter: 100 mm	blue						
1-section, diameter: 200 mm	blue						
Mandatory sign, preprinted with "Wear protective gloves" symbol							
3-section, diameter: 50 mm	blue						
3-section, diameter: 100 mm	blue						
1-section, diameter: 200 mm	blue						
Mandatory sign, preprinted with "Wear protective clothing" symbol							
3-section, diameter: 50 mm	blue						
3-section, diameter: 100 mm	blue						
1-section, diameter: 200 mm	blue						



Symbol - Use face mask



Symbol - Wear protective gloves



Symbol - Wear protective clothing

Technical data		
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-M107 (D50)	1014155	5
PML-M107 (D100)	1014156	5
PML-M107 (D200)	1014157	5

Technical data		
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-M108 (D50)	1014158	5
PML-M108 (D100)	1014159	5
PML-M108 (D200)	1014160	5

Technical data		
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-M109 (D50)	1014161	5
PML-M109 (D100)	1014162	5
PML-M109 (D200)	1014163	5

Marking and labeling - MARKING system

System marking

Stick-on mandatory signs, preprinted, with symbols

Printed cards

- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The mandatory signs conform to the ISO 7010 international standard



Symbol - Disconnect before starting work



Symbol - Wear conductive footwear

General data		Technical data			Technical data		
Material		PVC			PVC		
Temperature range	[°C]	-40 ... 90			-40 ... 90		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)			DIN EN 61010-1 (VDE 0411-1)		
Components		Silicone-free			Silicone-free		
		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Mandatory sign , preprinted with "Disconnect before starting work" symbol							
3-section, diameter: 50 mm	blue	PML-M110 (D50)	1014164	5			
3-section, diameter: 100 mm	blue	PML-M110 (D100)	1014165	5			
1-section, diameter: 200 mm	blue	PML-M110 (D200)	1014166	5			
Mandatory sign , preprinted with "Wear conductive footwear" symbol							
3-section, diameter: 50 mm	blue				PML-M111 (D50)	1014167	5
3-section, diameter: 100 mm	blue				PML-M111 (D100)	1014168	5
1-section, diameter: 200 mm	blue				PML-M111 (D200)	1014169	5
Mandatory sign , preprinted with "Wear head cover" symbol							
3-section, diameter: 50 mm	blue						
3-section, diameter: 100 mm	blue						
1-section, diameter: 200 mm	blue						
Mandatory sign , preprinted with "Wear safety shoes" symbol							
3-section, diameter: 50 mm	blue						
3-section, diameter: 100 mm	blue						
1-section, diameter: 200 mm	blue						



Symbol - Wear head cover



Symbol - Wear safety shoes

Technical data
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free

Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-M112 (D50)	1014170	5
PML-M112 (D100)	1014171	5
PML-M112 (D200)	1014172	5

Technical data
PVC -40 ... 90 DIN EN 61010-1 (VDE 0411-1) Silicone-free

Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-M113 (D50)	1014173	5
PML-M113 (D100)	1014174	5
PML-M113 (D200)	1014175	5

System marking

Stick-on pipeline markers, unmarked

Can be marked using:



Thermal transfer for rolls



Group 1 (water)

The color preprinted PML-T... pipeline markers supplied in rolls enable the custom marking of pipelines according to DIN 2403. The markers offer the following features:

- Finely perforated arrowheads enable the arrowheads which are not required to be easily removed
- High adhesive strength
- High temperature resistance
- Suitable for indoor and outdoor use
- In combination with the PML-GHS hazardous substances labels, marking which conforms to the Ordinance on Hazardous Substances (GefStoffV) can be applied
- The format automatically ensures printing with a high level of positional accuracy
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements

General data

Can be marked using

Material

Temperature range

[°C]

Wipe resistance

Technical data

THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Pipeline markers, green, group 1 (water), unprinted				
250 labels per roll, marker size: 26 x 280 mm	green	PML-T101 (26X280)R	1014229	1
250 labels per roll, marker size: 52 x 560 mm	green	PML-T101 (52X560)R	1014230	1
Pipeline markers, red, group 2 (steam), unprinted				
250 labels per roll, marker size: 26 x 280 mm	red			
250 labels per roll, marker size: 52 x 560 mm	red			
Pipeline markers, gray, group 3 (air), unprinted				
250 labels per roll, marker size: 26 x 280 mm	gray			
250 labels per roll, marker size: 52 x 560 mm	gray			
Pipeline markers, yellow/red, group 4 (combustible gases), unprinted				
250 labels per roll, marker size: 26 x 280 mm	yellow/red			
250 labels per roll, marker size: 52 x 560 mm	yellow/red			

Accessories

Ink ribbon, specially for US-PML..., US-EMLF...,

Length: 240 m, width: 110 mm

Ink ribbon, length: 300 m, width: 110 mm

TM-RIBBON 110-TC/TR WH	1014402	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Hazardous substances label, roll, red/white, preprinted, can be marked with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK X1.2, attachment type: adhered

500 labels per roll, marker size: 13 x 13 mm

500 labels per roll, marker size: 25 x 25 mm

Hazardous substances label, roll, red/white, preprinted, can be marked with: THERMOMARK CARD, attachment type: adhered,

50-section, marker size: 13 x 13 mm

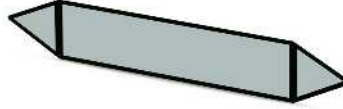
9-section, marker size: 25 x 25 mm

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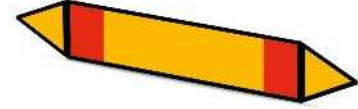
Group 2 (steam)

PRINTED
FOR YOU



Group 3 (air)

PRINTED
FOR YOU



Group 4 (combustible gases)

Technical data
THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2 Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1)

Ordering data
Type
Order No.
Pcs. / Pkt.

PML-T102 (26X280)R	1014231	1
PML-T102 (52X560)R	1014232	1

Accessories

TM-RIBBON 110-TC/TR WH	1014402	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Technical data
THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2 Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1)

Ordering data
Type
Order No.
Pcs. / Pkt.

PML-T103 (26X280)R	1014233	1
PML-T103 (52X560)R	1014234	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Technical data
THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2 Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1)

Ordering data
Type
Order No.
Pcs. / Pkt.

PML-T104 (26X280)R	1014235	1
PML-T104 (52X560)R	1014236	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

System marking

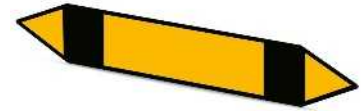
Stick-on pipeline markers, unmarked

Can be marked using:

- Finely perforated arrowheads enable the arrowheads which are not required to be easily removed
- High adhesive strength
- High temperature resistance
- Suitable for indoor and outdoor use
- In combination with the PML-GHS hazardous substances labels, marking which conforms to the Ordinance on Hazardous Substances (GefStoffV) can be applied



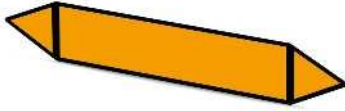
Thermal transfer for rolls



Group 5 (non-combustible gases)

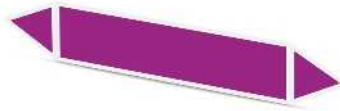
General data		Technical data		
Can be marked using		THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2		
Material		Polyester		
Temperature range		-40 ... 150		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)		
Description		Ordering data		
		Type	Order No.	Pcs. / Pkt.
Pipeline markers, yellow/black, group 5 (non-combustible gases), unprinted				
250 labels per roll, marker size: 26 x 280 mm	yellow/black	PML-T105 (26X280)R	1014237	1
250 labels per roll, marker size: 52 x 560 mm	yellow/black	PML-T105 (52X560)R	1014238	1
Pipeline markers, orange, group 6 (acids), unprinted				
250 labels per roll, marker size: 26 x 280 mm	orange			
250 labels per roll, marker size: 52 x 560 mm	orange			
Pipeline markers, violet, group 7 (alkalis), unprinted				
250 labels per roll, marker size: 26 x 280 mm	violet			
250 labels per roll, marker size: 52 x 560 mm	violet			
Pipeline markers, brown/red, group 8 (combustible liquids), unprinted				
250 labels per roll, marker size: 26 x 280 mm	brown/red			
250 labels per roll, marker size: 52 x 560 mm	brown/red			
Accessories				
Ink ribbon, length: 300 m, width: 110 mm		THERMOMARK-RIBBON 110	5145384	1
Ink ribbon, specially for US-PML..., US-EMLF..., Length: 240 m, width: 110 mm				
Hazardous substances label, roll, red/white, preprinted, can be marked with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK X1.2, attachment type: adhered				
500 labels per roll, marker size: 13 x 13 mm		PML-GHS100 (13X13)R	1014289	1
500 labels per roll, marker size: 25 x 25 mm		PML-GHS100 (25X25)R	1014290	1
Hazardous substances label, roll, red/white, preprinted, can be marked with: THERMOMARK CARD, attachment type: adhered,				
50-section, marker size: 13 x 13 mm		US-PML-GHS100 (13X13)	1014287	10
9-section, marker size: 25 x 25 mm		US-PML-GHS100 (25X25)	1014288	10

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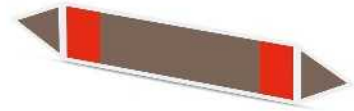
Group 6 (acids)

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FOR YOU



Group 7 (alkalis)

PRINTED
FOR YOU



Group 8 (combustible liquids)

Technical data
THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2 Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1)

Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-T106 (26X280)R	1014239	1
PML-T106 (52X560)R	1014240	1

Accessories		
THERMOMARK-RIBBON 110	5145384	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Technical data
THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2 Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1)

Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-T107 (26X280)R	1014241	1
PML-T107 (52X560)R	1014242	1

Accessories		
TM-RIBBON 110-TC/TR WH	1014402	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Technical data
THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2 Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1)

Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-T108 (26X280)R	1014243	1
PML-T108 (52X560)R	1014244	1

Accessories		
TM-RIBBON 110-TC/TR WH	1014402	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

System marking

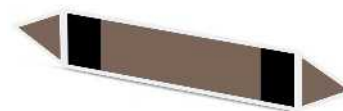
Stick-on pipeline markers, unmarked

Can be marked using:

- Finely perforated arrowheads enable the arrowheads which are not required to be easily removed
- High adhesive strength
- High temperature resistance
- Suitable for indoor and outdoor use
- In combination with the PML-GHS hazardous substances labels, marking which conforms to the Ordinance on Hazardous Substances (GefStoffV) can be applied



Thermal transfer for rolls



Group 9 (non-combustible liquids)

General data

Can be marked using

Material

Temperature range

[°C]

Wipe resistance

Technical data

THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2

Polyester

-40 ... 150

DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color
Pipeline markers , brown/black, group 9 (non-combustible liquids), unprinted	
250 labels per roll, marker size: 26 x 280 mm	brown/black
250 labels per roll, marker size: 52 x 560 mm	brown/black
Pipeline markers , blue, group 0 (oxygen), unprinted	
250 labels per roll, marker size: 26 x 280 mm	blue
250 labels per roll, marker size: 52 x 560 mm	blue

Type	Order No.	Pcs. / Pkt.
PML-T109 (26X280)R	1014245	1
PML-T109 (52X560)R	1014246	1

Ink ribbon, specially for US-PML..., US-EMLF...,

Length: 240 m, width: 110 mm

Hazardous substances label, roll, red/white, preprinted, can be marked with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK X1.2, attachment type: adhered

500 labels per roll, marker size: 13 x 13 mm

500 labels per roll, marker size: 25 x 25 mm

Hazardous substances label, roll, red/white, preprinted, can be marked with: THERMOMARK CARD, attachment type: adhered,

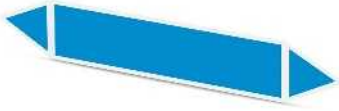
50-section, marker size: 13 x 13 mm

9-section, marker size: 25 x 25 mm

Accessories

TM-RIBBON 110-TC/TR WH	1014402	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

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Group 0 (oxygen)

Technical data

THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs. / Pkt.
PML-T110 (26X280)R	1014247	1
PML-T110 (52X560)R	1014248	1

Accessories

TM-RIBBON 110-TC/TR WH	1014402	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

System marking

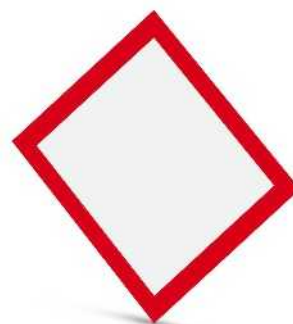
UniSheet - stick-on hazardous substances labels, color preprinted, without symbols



Can be marked using:



Thermal transfer for sheets and cards



Unmarked

The unmarked US-PML-GHS hazardous substances labels on US cards allow you to create custom information signs. A variety of symbols are available in the CLIP PROJECT software. The hazardous substances labels offer the following features:

- High adhesive strength
- High temperature resistance
- Suitable for indoor and outdoor use
- The markers conform to the GHS international standard
- The markers, which are supplied in uniform sheets, can be printed onto quickly, easily, and cost-effectively using the THERMOMARK CARD
- The format automatically ensures printing with a high level of positional accuracy
- The perforated markers are easy to separate

General data	
Can be marked using	
Material	
Temperature range	[°C]
Wipe resistance	

Description	Color
Hazardous substances label , roll, red/white, preprinted, can be marked with: THERMOMARK CARD, attachment type: adhered,	
50-section, marker size: 13 x 13 mm	red/white
9-section, marker size: 25 x 25 mm	red/white

Magazine , for THERMOMARK CARD..., for accommodating all US-materials
Ink ribbon , length: 300 m, width: 110 mm

Technical data

THERMOMARK CARD
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs. / Pkt.
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Accessories

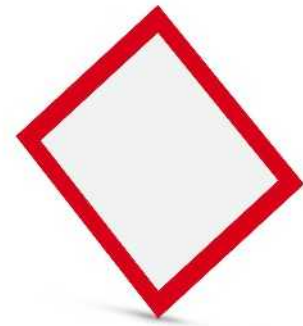
THERMOMARK CARD-US-MAG1	5146451	1
THERMOMARK-RIBBON 110-TC	0801371	1

Stick-on hazardous substances labels, color preprinted, without symbols

Can be marked using:



Thermal transfer for rolls



Unmarked

The color preprinted PML-GHS...R hazardous substances labels on a roll allow you to create custom information signs. A variety of symbols are available in the CLIP PROJECT software. The hazardous substances labels offer the following features:

- High adhesive strength
- High temperature resistance
- Suitable for indoor and outdoor use
- The markers conform to the GHS international standard
- The format automatically ensures printing with a high level of positional accuracy
- The special packaging protects rolls that have already been started from the dirt found in industrial environments

General data

Can be marked using

Material

Temperature range

[°C]

Wipe resistance

Technical data

THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color
Hazardous substances label , roll, red/white, preprinted, can be marked with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK X1.2, attachment type: adhered	
500 labels per roll, marker size: 13 x 13 mm	red/white
500 labels per roll, marker size: 25 x 25 mm	red/white

Type	Order No.	Pcs. / Pkt.
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1

Accessories

Ink ribbon, length: 300 m, width: 110 mm

THERMOMARK-RIBBON 110	5145384	1
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System marking

Stick-on hazardous substances labels, preprinted with symbol



The PML-GHS hazardous substances labels are available with various symbols and enable the additional custom marking of the PML-T pipeline markers according to the Ordinance on Hazardous Substances. The hazardous substances labels offer the following features:

- High adhesive strength
- High temperature resistance
- Suitable for indoor and outdoor use
- The hazardous substances labels conform to the GHS international standard



Symbol - Explosive

General data

Material	
Temperature range	[°C]
Wipe resistance	

Technical data

Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color
Hazardous substances label , preprinted with "Explosive" symbol	
35-section, marker size: 13 x 13 mm	red/white
12-section, marker size: 25 x 25 mm	red/white
Hazardous substances label , preprinted with "Flammable" symbol	
35-section, marker size: 13 x 13 mm	red/white
12-section, marker size: 25 x 25 mm	red/white
Hazardous substances label , preprinted with "Oxidizing" symbol	
35-section, marker size: 13 x 13 mm	red/white
12-section, marker size: 25 x 25 mm	red/white
Hazardous substances label , preprinted with "Pressurized gases" symbol	
35-section, marker size: 13 x 13 mm	red/white
12-section, marker size: 25 x 25 mm	red/white

Type	Order No.	Pcs. / Pkt.
PML-GHS101 (13X13)	1014269	5
PML-GHS101 (25X25)	1014270	5



Symbol - Flammable



Symbol - Oxidizing



Symbol - Pressurized gases

Technical data
Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1)

Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-GHS102 (13X13)	1014271	5
PML-GHS102 (25X25)	1014272	5

Technical data
Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1)

Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-GHS103 (13X13)	1014273	5
PML-GHS103 (25X25)	1014274	5

Technical data
Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1)

Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-GHS104 (13X13)	1014275	5
PML-GHS104 (25X25)	1014276	5

System marking

Stick-on hazardous substances labels, preprinted with symbol

- Printed cards
- High adhesive strength
- High temperature resistance
- Suitable for indoor and outdoor use
- The hazardous substances labels conform to the GHS international standard



Symbol - Corrosivity



Symbol - Toxic

General data		Technical data			Technical data		
Material		Polyester			Polyester		
Temperature range	[°C]	-40 ... 150			-40 ... 150		
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)			DIN EN 61010-1 (VDE 0411-1)		
		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Hazardous substances label , preprinted with "Corrosivity" symbol							
35-section, marker size: 13 x 13 mm	red/white	PML-GHS105 (13X13)	1014277	5			
12-section, marker size: 25 x 25 mm	red/white	PML-GHS105 (25X25)	1014278	5			
Hazardous substances label , preprinted with "Toxic" symbol							
35-section, marker size: 13 x 13 mm	red/white				PML-GHS106 (13X13)	1014279	5
12-section, marker size: 25 x 25 mm	red/white				PML-GHS106 (25X25)	1014280	5
Hazardous substances label , preprinted with "General symbol for hazardous substances"							
35-section, marker size: 13 x 13 mm	red/white						
12-section, marker size: 25 x 25 mm	red/white						
Hazardous substances label , preprinted with "Hazardous to health" symbol							
35-section, marker size: 13 x 13 mm	red/white						
12-section, marker size: 25 x 25 mm	red/white						
Hazardous substances label , preprinted with "Hazardous to the environment" symbol							
35-section, marker size: 13 x 13 mm	red/white						
12-section, marker size: 25 x 25 mm	red/white						



Symbol - General symbol for hazardous substances



Symbol - Hazardous to health



Symbol - Hazardous to the environment

Technical data		
Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1)		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-GHS107 (13X13) PML-GHS107 (25X25)	1014281 1014282	5 5

Technical data		
Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1)		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-GHS108 (13X13) PML-GHS108 (25X25)	1014283 1014284	5 5

Technical data		
Polyester -40 ... 150 DIN EN 61010-1 (VDE 0411-1)		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PML-GHS109 (13X13) PML-GHS109 (25X25)	1014285 1014286	5 5

System marking

UniSheet - stick-on combi labels, unprinted

Can be marked using:



Thermal transfer for sheets and cards



Unmarked or marked according to customer specifications

The unmarked US-EMLF ... combi labels on US ... cards allow you to create custom information signs. A variety of symbols which conform to ISO 7010 are available in the CLIP PROJECT software. The markers offer the following features:

- High adhesive strength
- Suitable for indoor and outdoor use
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and inexpensively
- The format automatically ensures printing with a high level of positional accuracy
- The perforated markers are easy to separate

General data	
Can be marked using	
Material	
Temperature range	[°C]
Wipe resistance	
Components	

Technical data	
THERMOMARK CARD	
PVC	
-40 ... 90	
DIN EN 61010-1 (VDE 0411-1)	
Silicone-free	

Description	Color
UniSheet , with self-adhesive labels, 2-section, lettering field size: 104 x 70 mm	
	white
	yellow
	blue
UniSheet , with self-adhesive labels, 1-section, lettering field size: 104 x 140 mm	
	white
	yellow
	blue

Ordering data		
Type	Order No.	Pcs. / Pkt.
US-EMLF (104X70)	1014294	10
US-EMLF (104X70) YE	1014295	10
US-EMLF (104X70) BU	1014296	10
US-EMLF (104X140)	1014291	10
US-EMLF (104X140) YE	1014292	10
US-EMLF (104X140) BU	1014293	10

Magnetic labels, unprinted

Can be marked using:



Thermal transfer for rolls



Unmarked or marked according to customer specifications

The PMM magnetic labels supplied in rolls represent an individual and flexible marking solution, e.g., for stock marking. A variety of symbols, linear and 2D codes are available in the CLIP PROJECT software. The magnetic labels offer the following features:

- High adhesive strength
- Magnetic tape coated with polyester foil
- The flexible magnetic tape will also adhere to round objects with a radius of 12 mm and higher
- The format automatically ensures printing with a high level of positional accuracy
- When used in conjunction with high-quality ink ribbons, a resistant form of marking is produced, which is even suitable for harsh environments
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- Easy to assemble with the THERMOMARK CUTTER

General data

Can be marked using

Material

Temperature range

[°C]

Wipe resistance

Description

Color

Magnetic foil as continuous media, anisotropic, 1 roll = 15 m, label height: 20 mm

white

silver

yellow

Magnetic foil as continuous media, anisotropic, 1 roll = 15 m, label height: 25 mm

white

silver

yellow

Magnetic foil as continuous media, anisotropic, 1 roll = 15 m, label height: 30 mm

white

silver

yellow

Magnetic foil as continuous media, anisotropic, 1 roll = 15 m, label height: 40 mm

white

silver

yellow

Magnetic foil as continuous media, anisotropic, 1 roll = 15 m, label height: 50 mm

white

silver

yellow

Ink ribbon, length: 300 m, width: 110 mm

Technical data

THERMOMARK ROLL • THERMOMARK X1.1 • THERMOMARK X1.2
Magnetic tape
-30 ... 55
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs. / Pkt.
PMM (EX20)R	1014303	1
PMM (EX20)R SR	1014304	1
PMM (EX20)R YE	1014305	1
PMM (EX25)R	1014306	1
PMM (EX25)R SR	1014307	1
PMM (EX25)R YE	1014308	1
PMM (EX30)R	1014309	1
PMM (EX30)R SR	1014310	1
PMM (EX30)R YE	1014311	1
PMM (EX40)R	1014312	1
PMM (EX40)R SR	1014313	1
PMM (EX40)R YE	1014314	1
PMM (EX50)R	1014315	1
PMM (EX50)R SR	1014316	1
PMM (EX50)R YE	1014317	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
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Hand tools - TOOL fox

The TOOL fox range of tools provides processing and measuring tools for all electrical engineering applications.

The ergonomically designed tools for cutting, stripping, crimping, screwing, and testing impress with their optimum handling and quality. Specially hardened tool steels ensure maximum durability.

Cutting machines, stripping machines, and crimping machines are available which can be used to automate steps.

A wide range of connectors rounds off the product range.

Product range overview

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Professional cutting



Professional stripping



Professional crimping



An ideal cable cutter is available for every application. The various versions enable professional processing of conductors and cables with a diameter of up to 100 mm. All parts of the cable cutters that are subject to particular strain are tempered and specially hardened.



Profile cutters are available for rapid processing of DIN rails and cable ducts without chips or burrs. An optional hydraulic unit can be attached to convert manual DIN-rail cutters into automatic ones.



The stripping tools can strip all types of conductors and cables quickly, precisely and reliably. They adapt automatically to the conductor cross section concerned.



CRIMPFOX 4 IN 1 are multi-functional crimping pliers for processing conductors and ferrules. A variety of work steps can be performed with just a single tool: cutting, stripping, twisting, and crimping.



The product innovation for switchgear manufacturing – the CRIMPHANDY, a battery-operated, portable hand-held machine. It strips and crimps the conductor in under two seconds, resulting in time savings of 75 percent.



The extensive range of professional crimping pliers can be used to process a variety of contact types with a cross section of up to 120 mm². The innovative design and ergonomically shaped handles reduce the forces required by up to 25 percent.



With their interchangeable dies, the CRIMPFOX-M universal crimping pliers can be used to process all kinds of contacts. The dies can be changed quickly and easily without the need for additional tools.



With their precise torque-setting feature, the torque and cordless screwdrivers are the perfect complement to the Phoenix Contact range of screw terminal blocks. The wide range of hardened BIT screwdriver inserts makes the products suitable for universal use.



Our multimeters, current pliers, and voltage testers are high-quality measuring tools, which have been tested and approved in accordance with national and international standards.

Hand tools

CUTFOX cable cutters

- CUTFOX ... cable cutters for professional cutting results
- Suitable for conductors with a max. diameter of 18 mm
- Ergonomic grip design to eliminate fatigue when working
- All parts of the cable cutters that are subject to particular strain are tempered or specially hardened



Up to a maximum conductor diameter of 12 mm



Up to a maximum conductor diameter of 18 mm

Description
Cable cutter , for copper and aluminum up to 12 mm diameter (up to 35 mm ²), size: 165 mm
Cable cutter , angled, for copper and aluminum up to 18 mm diameter (up to 50 mm ²), size: 180 mm
Electrician's scissors , high cutting performance, thanks to micro-serrated cutting area, suitable for copper, aluminum, Kevlar fibers, and plastic, two-component non-slip soft-grip handles, ergonomic design, adjustable screw joint

Ordering data		
Type	Order No.	Pcs. / Pkt.
CUTFOX 12	1212128	1
CUTFOX-ES	1212621	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
CUTFOX 18	1212129	1

CUTFOX one-handed ring cable cutters

- CUTFOX ... one-handed ring cable cutters for professional cutting results
- Extremely robust design
- Minimum deformation of the conductors and cables
- Can be released in all positions
- Superb cutting quality
- Little force needed due to ratchet function



Up to a maximum conductor diameter of 50 mm, steel-armored



Up to a maximum conductor diameter of 45 mm

Description
Ring cable cutter , with ratchet function, for copper and aluminum up to a diameter of 50 mm, for steel-armored CU/AL cables, for stranded steel cables up to a diameter of 12 mm, equipped with needle bearings, size: 260 mm
Ring cable cutter , with ratchet function, for copper and aluminum up to 45 mm diameter (up to 300 mm ²), size: 260 mm
Ring cable cutter , with ratchet function, for copper and aluminum up to 52 mm diameter (up to 300 mm ²), size: 325 mm

Ordering data		
Type	Order No.	Pcs. / Pkt.
CUTFOX 50 STEEL	1212526	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
CUTFOX 45	1212132	1
CUTFOX 52	1212133	1

CUTFOX cable cutters

- CUTFOX ... cable cutters for professional cutting results
- With ratchet function for minimum effort
- All parts of the cable cutters that are subject to particular strain are tempered or specially hardened
- Ideal in tight workspaces
- Adjustable screw joint
- Can be released in all positions
- Extremely robust



Up to a maximum conductor diameter of
25 mm



Up to a maximum conductor diameter of
35 mm

Description
Cable cutter , with ratchet function, for copper and aluminum up to 25 mm diameter (up to 185 mm ²), size: 245 mm
Cable cutter , with ratchet function, for copper and aluminum up to 35 mm diameter (up to 300 mm ²), size: 245 mm

Ordering data		
Type	Order No.	Pcs. / Pkt.
CUTFOX 25	1212130	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
CUTFOX 35	1212131	1

CUTFOX two-handed ring cable cutters

- CUTFOX ... two-handed ring cable cutters for professional cutting results
- Suitable for conductors with a diameter of up to 100 mm
- With ratchet function for minimum effort
- Can be released in all positions
- Superb cutting quality
- Extremely robust design
- Lowest possible deformation of conductors and cables



Up to a maximum conductor diameter of
62 mm



Up to a maximum conductor diameter of
100 mm

Description
Two-hand ring cable cutter , with ratchet function, for copper and aluminum up to 62 mm diameter (up to 750 mm ²), size: 410 mm
Two-hand ring cable cutter , with ratchet function, for copper and aluminum up to 100 mm diameter (up to 1400 mm ²), size: 610 mm

Ordering data		
Type	Order No.	Pcs. / Pkt.
CUTFOX 62	1212134	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
CUTFOX 100	1212135	1

Hand tools

Cutting tools for special applications

- The CUTFOX–FBS cutting tool is suitable for cutting out individual bars from FBS ... plug-in bridges
- Screw-on bridges can be cut to length with the CUTFOX FB without crushing them
- VDE-tested cutting tools made from special high-grade tool steel
- Inductively hardened blades for long-term stable cutting performance



Front cutting tool for cutting out plug-in and insertion bridges



Cutting tool for screw-on bridges

ERC

ERC

Ordering data

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cutting tool , for separating individual bridge bars from FBS ... jumpers and EB ... insertion bridges, size: 260 mm						
Bridge cutting tool , for cutting FBI ... fixed bridges to length, size: 165 mm	CUTFOX-FBS	1212124	1			
Cable cutter , precision blade with macro-notching, for copper and aluminum up to 50 mm ² , VDE 1000 V AC/1500 V DC tested, size: 160 mm				CUTFOX FB	1205985	1
Cable cutter , precision blade with macro-notching, for copper and aluminum up to 70 mm ² , VDE 1000 V AC/1500 V DC tested, size: 210 mm						
Cable cutter , for laminated busbars/ribbed tape measuring up to 6 x 16 x 0.8 mm, copper and aluminum cables with a diameter of up to 50 mm, VDE 1000 V AC, 1500 V DC, size: 210 mm						
Diagonal cutter , with optimized leverage, VDE 1000 V AC/1500 V DC tested, size: 160 mm						
Power diagonal cutter , with optimized leverage, also suitable for piano wire, VDE 1000 V AC/1500 V DC tested, size: 200 mm						
Diagonal cutter , with optimized leverage, VDE 1000 V AC/1500 V DC tested, size: 130 mm						



Cable cutter for conductors with a diameter of up to 25 mm (VDE)



Cable cutter for conductors and ribbed tape with a diameter of up to 50 mm (VDE)



Diagonal cutter, also suitable for piano wire (VDE)



Ordering data		
Type	Order No.	Pcs. / Pkt.
CUTFOX 16 VDE	1212126	1
CUTFOX 25 VDE	1212127	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
CUTFOX-LB VDE	1212527	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
CUTFOX-S VDE	1212207	1
CUTFOX-SP VDE	1212206	1
CUTFOX-S VDE M	1212830	1

Hand tools

CUTFOX bolt cutter

new

- The CUTFOX-SP BOLT VDE cutting tool is suitable for precise cutting of bolts, nails, rivets, steel wire, or similar hard materials
- VDE-tested cutting tools made from special high-grade tool steel
- Inductively hardened blades for permanently stable cutting performance



Description		Ordering data		
Description		Type	Order No.	Pcs. / Pkt.
Power diagonal cutter, with optimized leverage, also suitable for bolts and piano wire, VDE 1000 V AC/1500 V DC tested, size: 200 mm		CUTFOX-SP BOLT VDE	1212831	1

CUTFOX cutting tools, angled design

new

new

- CUTFOX-SE LM electricians diagonal cutter with stripping and cutting range
- Ergonomic grip design to eliminate fatigue when working
- All parts of the diagonal cutters that are subject to particular strain are tempered or specially hardened



Description		Ordering data			Ordering data		
Description		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Diagonal cutter, angled design, size:180 mm		CUTFOX-SE	1212832	1			
Electricians diagonal cutter, angled design, with stripping, crimping, and bending function. Screw pincers up to M3.5/M4, size: 180 mm					CUTFOX-SE LM	1212833	1

UNIFOX universal tools

- UNIFOX ... VDE-totally-insulated combination pliers in straight and angled versions
- Ergonomic grip design to eliminate fatigue when working
- Excellent transmission ratios for excellent gripping and cutting performance
- Noticeably less force required on the part of the user



Combination pliers (VDE), straight



Combination pliers (VDE), angled

Ordering data			Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Combination pliers, cross-notched gripping surface, integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested, size: 180 mm	black	UNIFOX-C VDE	1212202	1			
Combination pliers, cross-notched gripping surface, integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested, size: 165 mm	black	UNIFOX-C VDE M	1212834	1			
Combination pliers, angled design, with opening spring and locking device, cross-notched gripping surface, integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested, size: 200 mm	black				UNIFOX-CE VDE	1212203	1

UNIFOX universal tools

- Individually tested safety tools according to DIN EN 60900 (VDE 0682–201)
- For working on or in the vicinity of live parts up to 1000 V AC or 1500 V DC
- The tools feature ergonomic two-component safety handles



Needle-nose pliers (VDE), straight



Needle-nose pliers (VDE), curved and angled

Ordering data				Ordering data			
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Needle-nose pliers with cutter, notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 170 mm							
	black	UNIFOX-P VDE	1212204	1			
Needle-nose pliers with cutter, angled 45°, notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 170 mm							
	black	UNIFOX-PC VDE	1212205	1			
Needle-nose pliers, angled design, with opening spring and locking device, finely notched gripping surface, stripping possible for 1.5 mm² and 2.5 mm², integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested, size: 200 mm							
	black				UNIFOX-PE VDE	1212529	1

Hand tools

UNIFOX universal tools

- UNIFOX ... VDE-totally-insulated flat-nose, round-nose, and water pump pliers
- Notched grip areas
- Ergonomic grip design to eliminate fatigue when working
- Excellent transmission ratios for optimum gripping performance
- Forged die hardened in oil for maximum durability



Flat-nose pliers (VDE)



Water pump pliers

Description	Color
Flat-nose pliers , finely notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 160 mm	black
Round-nose pliers , finely notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 160 mm	black
Water pump pliers , with groove joint, gripping surfaces with dual notching, acc. to VDE ISO 8976, size: 240 mm	black

Ordering data		
Type	Order No.	Pcs. / Pkt.
UNIFOX-F VDE	1212363	1
UNIFOX-R VDE	1212364	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
UNIFOX-WP	1212365	1

UNIFOX cable binder tools for plastic and high-grade steel cable binders



- Ergonomic tool for attaching and detaching cable binders in a single operation
- The infinitely adjustable tension force is indicated by a scale in the handle area
- When the tension force is reached, the remainder is automatically severed for a flush finish

Description
Cable binder pliers , for plastic cable binders with a width of 2.2 - 4.8 mm, for a material thickness of up to 1.6 mm
Ergonomically designed grip with comfortable tension force adjustment
Cable binder tool , for steel cable binders with a width of up to 7.9 mm, material thickness of up to 0.3 mm



Ordering data		
Type	Order No.	Pcs. / Pkt.
UNIFOX-CT 4,8	1212475	1
UNIFOX-CT 4,8P	1212609	1
UNIFOX-CT M 7,9	1212610	1

UNIFOX screw pliers

new

- Screw wrench and pliers in one: zero-play grip and secure screwing of screws and nut areas
- Smooth jaws prevent the usual damage to screws and nuts from wrenches and pipe wrenches
- With quick-snap ratchet infeed for rapid adjustment to the workpiece without push button



Description	Ordering data		
	Type	Order No.	Pcs. / Pkt.
Screw pliers, with rapid adjustment for wrench size 10 - 36 mm, 260 mm	UNIFOX-WRENCH	1212835	1

Tools - TOOL fox

Hand tools

UNIFOX universal tools

- Compact, ergonomically shaped pliers
- 3 inserts for rivet diameter of 2.4 – 3.2 mm, 4 mm, and 4.8 – 5.0 mm
- Special rivets are available for fixing RW... and UW... high-current panel feed-through terminal blocks that are specifically designed for terminal blocks



Blind rivet pliers



Blind riveting with diameters of 2.4 to 5 mm

ERC

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Blind rivet pliers	black	UNIFOX-RVT M	1212476	1			
Rivet , aluminum/steel, rivet diameter/length					RVT-AL/ST 2,4L/8	3240548	500
2.4/8 mm, for UW 4... terminal blocks	silver				RVT-AL/ST 3/6	3240504	500
3/6 mm	silver				RVT-AL/ST 3/8	3240505	500
3/8 mm	silver				RVT-AL/ST 3/10	3240506	500
3/10 mm	silver				RVT-AL/ST 3/12	3240507	500
3/12 mm, for UW 10..., UW 16..., and RW 5... terminal blocks	silver				RVT-AL/ST 3,2/6	3240509	500
3.2/6 mm	silver				RVT-AL/ST 3,2/8	3240510	500
3.2/8 mm	silver				RVT-AL/ST 3,2/10	3240511	500
3.2/10 mm	silver				RVT-AL/ST 3,2/12	3240512	500
3.2/12 mm	silver				RVT-AL/ST 4/6	3240513	500
4/6 mm	silver				RVT-AL/ST 4/8	3240514	500
4/8 mm	silver				RVT-AL/ST 4/10	3240515	500
4/10 mm	silver				RVT-AL/ST 4/12	3240516	500
4/12 mm	silver				RVT-AL/ST 4/14	3240517	500
4/14 mm, for UW 25... and RW 8... terminal blocks	silver				RVT-AL/ST 4,8/6	3240518	500
4.8/6 mm	silver				RVT-AL/ST 4,8/8	3240519	500
4.8/8 mm	silver				RVT-AL/ST 4,8/10	3240520	500
4.8/10 mm	silver				RVT-AL/ST 4,8/12	3240521	500
4.8/12 mm	silver				RVT-AL/ST 4,8/14	3240553	500
4.8/14 mm	silver				RVT-AL/ST 4,8/16	3240522	500
4.8/16 mm	silver						
		Accessories			Accessories		
Rivet nozzle , long, specially designed for 3240548 rivet		UNIFOX-RVT M/BIT 2,4L	1212477	1			

Cable duct cutter



- Easy, burr-free cutting with minimum effort, thanks to the special cutting geometry and optimum leverage
- Non-slip ergonomic grip
- With spring reset
- 45° limit stop
- 75 mm cutting width



Dimensions	
	[mm]
General data	
Weight	[kg]

Description	Color
Cable duct cutter	black

Technical data		
Width	Length	Height
-	245	-
0.43		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CUTFOX-CD	1212474	1

Cable duct cutters



- Leverage and special cutting geometry enables easy, burr-free cutting with minimum effort
- Grip protection for safety
- Metric measuring rail with adjustable limit stop
- 125 mm cutting width
- Material thickness of up to 2.5 mm



Dimensions	
	[mm]
General data	
Length of the measuring bar	[mm]
Length of the hand lever	[mm]

Description	Color
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	
--	--

Technical data		
Width	Length	Height
285	280	290
1000		
500		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PPS CD M	1207569	1

Accessories		
Type	Order No.	Pcs. / Pkt.
PPS CD BLADE	1207572	1
PPS CD M COHO	1208995	1
PPS TABLE	1206285	1



DIN rail cutter with bore hole die



DIN rail cutter with piercer and quick change mechanism

Technical data		
Width	Length	Height
180	100	220
19		
1000		
1000		

Ordering data		
Type	Order No.	Pcs. / Pkt.
PPS STANDARD M PPS STANDARD I/M	1206175	1
	1206230	1

Accessories		
PPS-ST (3,5X12)L	1203563	1
PPS-ST (4,5X12)L	1203534	1
PPS-ST (5,5X12)L	1202603	1
PPS-ST (6,5X15)L	1202593	1
PPS-ST (3,5X12)Q	1203550	1
PPS-ST (4,5X12)Q	1203547	1
PPS-ST (5,5X12)Q	1203411	1
PPS-ST (6,5X15)Q	1203408	1
PPS-ST (3,8)	1204892	1
PPS-ST (4,3)	1202616	1
PPS-ST (5,3)	1202629	1
PPS-ST (6,4)	1202632	1
PPS-ST (7,0)	1204889	1
PPS-ST (8,4)	1202726	1
PPS HYDRAULIC CYL	1208924	1
PPS TABLE	1206285	1

Technical data		
Width	Length	Height
250	100	230
19		
1000		
1000		

Ordering data		
Type	Order No.	Pcs. / Pkt.
PPS CLASSIC M PPS CLASSIC I/M	1206243	1
	1206256	1

Accessories		
PPS-ST (3,5X12)L	1203563	1
PPS-ST (4,5X12)L	1203534	1
PPS-ST (5,5X12)L	1202603	1
PPS-ST (6,5X15)L	1202593	1
PPS-ST (3,5X12)Q	1203550	1
PPS-ST (4,5X12)Q	1203547	1
PPS-ST (5,5X12)Q	1203411	1
PPS-ST (6,5X15)Q	1203408	1
PPS-ST (3,8)	1204892	1
PPS-ST (4,3)	1202616	1
PPS-ST (5,3)	1202629	1
PPS-ST (6,4)	1202632	1
PPS-ST (7,0)	1204889	1
PPS-ST (8,4)	1202726	1
PPS TABLE	1206285	1

Hand tools

MICROFOX electronics pliers

- Various head shapes, even for areas that are difficult to access
- Precision-ground for exact cutting applications with minimum effort
- Mirror-polished and oiled metal surfaces
- Additional inductive hardened cutting for long-term, stable cutting performance

Notes:

Technical data regarding cutting capacity, see phoenixcontact.net/products



Diagonal cutter, with chamfer



Front cutter

Ordering data

Type	Order No.	Pcs. / Pkt.
MICROFOX-SB	1212489	1
MICROFOX-SP	1212488	1
MICROFOX-SP-1	1212487	1

Ordering data

Type	Order No.	Pcs. / Pkt.
MICROFOX-E	1212494	1
MICROFOX-EO	1212495	1

Description
Electronic diagonal cutter , round head, with chamfer, with opening spring
Electronic diagonal cutter , tapered head, angled (21°), without chamfer, with opening spring
Electronic diagonal cutter , tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version
Electronic front cutter , without chamfer, with opening spring
Electronic front cutter , 20° angle, without chamfer, with opening spring

MICROFOX electronic pliers

- Ergonomically designed two-component grip for fatigue-proof and non-slip use
- Opening spring for uniform, smooth opening
- Through-connected joint for permanent stability and optimum distribution of force
- Smooth grip to prevent damage to components when gripping and bending



Needle-nose pliers



Flat/round-nose pliers

Ordering data

Type	Order No.	Pcs. / Pkt.
MICROFOX-P	1212491	1
MICROFOX-PC	1212492	1

Ordering data

Type	Order No.	Pcs. / Pkt.
MICROFOX-F	1212493	1
MICROFOX-R	1212490	1

Description
Electronic needle-nose pliers , smooth grip, with opening spring
Electronic needle-nose pliers , 45° angle, smooth grip, with opening spring
Electronic flat-nose pliers , smooth grip, with opening spring
Electronic round-nose pliers , smooth grip, with opening spring

MICROFOX ESD electronics pliers

- Mirror-polished and phosphate-treated metal surfaces for optimum corrosion protection and no glare when working
- Various head shapes, even for areas that are difficult to access
- Screwed precision-joint
- Precision-ground for exact cutting applications

Notes:

Technical data regarding cutting capacity, see phoenixcontact.net/products

Ordering data

Type	Order No.	Pcs. / Pkt.
MICROFOX-S ESD	1212480	1

Ordering data

Type	Order No.	Pcs. / Pkt.
MICROFOX-E ESD	1212485	1

Description

ESD electronic diagonal cutter, round head, without chamfer, with opening spring

ESD electronic front cutter, without chamfer, with opening spring

MICROFOX ESD electronic pliers

- Special conductive, ESD-compliant plastics according to, for example: DIN EN 61340-5
- Ergonomically designed two-component handles for fatigue-proof and non-slip use
- Opening spring for uniform, smooth opening
- Smooth grip to prevent damage to components when gripping and bending

Ordering data

Type	Order No.	Pcs. / Pkt.
MICROFOX-P ESD	1212482	1
MICROFOX-PC ESD	1212483	1

Ordering data

Type	Order No.	Pcs. / Pkt.
MICROFOX-F ESD	1212484	1
MICROFOX-R ESD	1212481	1

Description

ESD electronic needle-nose pliers, smooth grip, with opening spring

ESD electronic needle-nose pliers, 45° angle, smooth grip, with opening spring

ESD electronic flat-nose pliers, smooth grip, with opening spring

ESD electronic round-nose pliers, smooth grip, with opening spring

Hand tools

WIREFOX stripping tools

- Ergonomically shaped pliers
- WIREFOX ... stripping pliers feature an automatic adjustment mechanism for a wide range of different types of insulation and conductor sizes
- Practical integrated wire cutter
- Flexible, adjustable conductor limit stop
- The blade cartridges can be replaced quickly and easily and can be combined with one another



0.08 - 2.5 mm² conductor cross section



Conductor cross section of 0.1 - 4 mm² for special conductors

ERC

Conductor/cable stripping range	
Conductor / cable	[mm ²] / AWG
Stripping length up to ...	[mm]
Wire cutter solid // stranded	[mm ²] / AWG

Technical data		
0.08 - 2.5 / 28 - 12		
15		
2.5 / 14 // 6 / 10		

Technical data		
0.1 - 4 / 28 - 12		
18		
1.5 / 16 // 10 / 8		

Description	Color
Stripping tool , angled design, for cables and conductors with a cross section of 0.08 mm – 2.5 mm ² , self-adjusting, stripping length of up to 15 mm, cutting capacity: solid up to 2.5 mm ² , stranded up to 6 mm ²	
	black
Stripping tool , angled shape, for cables and conductors (specifically also intended for rubber and other kinds of special insulation) from 0.1 mm – 4 mm ² , self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm ² , stranded up to 10 mm ²	
	Black/green
Stripping tool , angled shape, for cables and conductors (specifically also intended for short-circuit-proof cables) from 1.5 mm – 6 mm ² , self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm ² , stranded up to 10 mm ²	
	Black/green
Stripping tool , angled design, for cables and conductors from 0.02 mm – 10 mm ² , self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm ² , stranded up to 10 mm ²	
	Black/green
Stripping tool , angled design, for cables and conductors from 4 mm – 16 mm ² , self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm ² , stranded up to 10 mm ²	
	Black/green

Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX 2,5	1212368	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX-E 4	1212704	1

Replacement blade cartridge
Spare limit stop

Accessories		
WIREFOX 2,5/SB	1212369	1
WIREFOX 2,5/WS	1212370	1

Accessories		
WIREFOX 4/SB	1212151	1



Conductor cross section of 1.5 - 6 mm² for short-circuit-proof cables



0.02 - 10 mm² conductor cross section



4 - 16 mm² conductor cross section

Technical data		
1.5 - 6 / 16 - 8		
18		
1.5 / 16 // 10 / 8		

Ordering data		
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Type	Order No.	Pcs. / Pkt.
WIREFOX-E 6SC	1212705	1

Accessories		
WIREFOX 6SC/SB	1212314	1

Technical data		
0.02 - 10 / 34 - 8		
18		
1.5 / 16 // 10 / 8		

Ordering data		
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Type	Order No.	Pcs. / Pkt.
WIREFOX-E 10	1212706	1

Accessories		
WIREFOX 10/SB	1212152	1

Technical data		
4 - 16 / 12 - 5		
18		
1.5 / 16 // 10 / 8		

Ordering data		
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Type	Order No.	Pcs. / Pkt.
WIREFOX-E 16	1212707	1

Accessories		
WIREFOX 16/SB	1212153	1

WIREFOX stripping tools



- Ergonomically shaped pliers
- Anti-slip handle design provides a safe and comfortable grip
- WIREFOX ... stripping pliers feature an automatic adjustment mechanism for a wide range of different types of insulation and conductor sizes
- Practical integrated wire cutter
- Highly adjustable limit stop for the stripping length
- The blade cartridges can be replaced quickly and easily and can be combined with one another



Conductor cross section 0.1 - 4 mm² for special conductors

ERC

Conductor/cable stripping range	
Conductor / cable	[mm ²] / AWG
Stripping length up to ...	[mm]
Wire cutter solid // stranded	[mm ²] / AWG

Technical data	
Conductor / cable	0.1 - 4 / 28 - 12
Stripping length up to ...	18
Wire cutter solid // stranded	1.5 / 16 // 10 / 8

Description	Color
Stripping tool , for cables and conductors (specifically also intended for rubber and other kinds of special insulation) with a cross section of 0.1 – 4 mm ² , self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm ² , stranded up to 10 mm ²	Black/green
Stripping tool , for lines and conductors (specially for short-circuit-proof lines) of 1.5 - 6 mm ² , self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm ² , stranded up to 10 mm ²	Black/green
Stripping tool , for 0.02 - 10 mm ² cables and conductors, self-adjusting, stripping length up to 18 mm, cutting capacity: solid up to 1.5 mm ² , stranded up to 10 mm ²	Black/green
Stripping tool , for wires and conductors of 4 - 16 mm ² , self-aligned, stripping length up to 18 mm, cutting capacity: Solid up to 1.5 mm ² , stranded up to 10 mm ²	Black/green

Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX 4	1212156	1

Replacement blade cartridge

Accessories		
WIREFOX 4/SB	1212151	1



Conductor cross section of 1.5 - 6 mm² for short-circuit-proof cables



0.02 - 10 mm² conductor cross section



4 - 16 mm² conductor cross section

ERC

Technical data		
1.5 - 6 / 16 - 8		
18		
1.5 / 16 // 10 / 8		
Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX 6SC	1212158	1
Accessories		
WIREFOX 6SC/SB	1212314	1

ERC

Technical data		
0.02 - 10 / 34 - 8		
18		
1.5 / 16 // 10 / 8		
Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX 10	1212150	1
Accessories		
WIREFOX 10/SB	1212152	1

ERC

Technical data		
4 - 16 / 12 - 5		
18		
1.5 / 16 // 10 / 8		
Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX 16	1212155	1
Accessories		
WIREFOX 16/SB	1212153	1

Hand tools

WIREFOX stripping tools

- WIREFOX ... stripping pliers feature an automatic adjustment mechanism for a wide range of different types of insulation and conductor sizes
- Special blade geometries for various applications
- Precise and clean stripping results
- Any stripping lengths possible, thanks to the special design of the pliers



For sensor/actuator cables (SAC cables)



For both shielded and unshielded cables

Conductor/cable stripping range	
Conductor / cable	[mm²] / AWG
Description	
Color	
Stripping pliers , for cables and conductors with a cross section of 6 – 16 mm², self-adjusting, any stripping length, also suitable for sensor/actuator cables	
black	
Stripping pliers , for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, for diameters from 4.4 mm to 7 mm, any stripping length	
black	
Stripping pliers , for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from 3.2 mm to 4.4 mm diameter, any stripping length	
black	
Stripping pliers , for removing jackets from cables for cable cutouts, cable tap-offs, and shield connections with a diameter of 8 - 9 mm, insulation thickness of up to 1.2 mm, stripping lengths of 20 mm and above	
black	
Stripping pliers , for 0.75 - 2.5 mm² flat cables up to 15 mm wide, any stripping length	
black	
Stripping pliers , for AS interface flat wires, any desired stripping length	
black	
Stripping pliers , for stripping conductors with a cross section of up to 10 mm², VDE-tested	
black	
Multifunction stripping tool , for removing the jacket from cables with a diameter of 8 to 13 mm, for stripping cables with a cross section of 0.2 to 10 mm², with full-fledged diagonal cutter, VDE 1000 V AC/1500 V DC tested	
black	
Spare knife	

Technical data		
6 - 16 / 10 - 5		
Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX 16-1	1212157	1
WIREFOX SAC	1212623	1
WIREFOX SAC-1	1212757	1
Accessories		
WIREFOX 16-1/SB	1204944	1

Technical data		
- / -		
Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX-D SHIELD	1212172	1
Accessories		



For flat cables

Conductor cross section of 0.2 - 10 mm² (VDE)

Multifunctional tool

EAC

EAC

EAC

Technical data		
0.75 - 2.5 / 18 - 12		
Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX FC	1212619	1
WIREFOX ASI	1212154	1
Accessories		
WIREFOX ASI/SB	1208076	1

Technical data		
0.2 - 10 / 24 - 8		
Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX 10 VDE	1212366	1
Accessories		

Technical data		
0.2 - 10 / 24 - 8		
Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX-MP VDE	1212528	1
Accessories		

WIREFOX stripping tools



- Large selection of precision stripping tools
- The right tool for every application
- Possible to strip conductors and cables with all kinds of insulation up to a diameter of 40 mm
- The blades are precision-ground and are designed for long-term stable use
- Quick, easy, and reliable to use



Conductor diameter of 2.5 - 11 mm

ERC

Description	Color
Stripping tool , for stripping multicore signal, control and fiberglass wires of 2.5 – 11-mm-Ø, insulation thickness up to 1 mm	black
Stripping tool , for stripping installation wires with 8 - 13 mm-Ø, for example, NYM 3x1.5 mm² to NYM 5x2.5 mm², single-wire stripping, 0.2 - 4 mm², with blade for lateral cutting and extendable knife	black
Stripping tool , for stripping wires (especially fiber optics wires) of 4 – 16-mm-Ø	black
Stripping tool , for stripping wires of 8 – 28-mm-Ø	black
Stripping tool , for stripping conductors of 4.5 – 40-mm-Ø, insulation strength up to 4.5 mm, swiveling knife for round, longitudinal and spiral cuts	black
Spare knife	

Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX-D 11	1212160	1
Accessories		
WIREFOX-D 11/SB	1212312	1



Conductor diameter of 8 - 13 mm



Conductor diameter of 4.5 - 40 mm

EAC

Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX-D 13	1212162	1
Accessories		

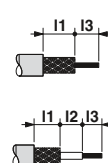
EAC

Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX-D 16	1212173	1
WIREFOX-D 28	1212174	1
WIREFOX-D 40	1212161	1
Accessories		
WIREFOX-D 40/SB	1212313	1

WIREFOX stripping tools



- Large selection of precision stripping tools
- The right tool for every application
- Possible to strip conductors and cables with all kinds of insulation up to a diameter of 40 mm
- Easy to use
- Use of high-quality components for durability



For coaxial cables, conductor diameter of 2.5 - 7.6 mm

ERC

Description	Color
Stripping tool , for coaxial cables from 2.5 – 7.6 mm Ø, I3 = variable	
2-stage, setting dimension I1 = 6.0 mm	black
2-stage, setting dimension I1 = 9.2 mm	black
2-stage, setting dimension I1 = 12 mm	black
2-stage, setting dimension I1 = 6.8 mm	black
3-stage, setting dimension I1 = 5.5 mm, I2 = 5.5 mm	black
3-stage, strip-off dimension I1 = 8.3 mm, I2 = 2.7 mm	black
3-stage, setting dimension I1 = 6.0 mm, I2 = 6.0 mm	black
3-stage, strip-off dimension I1 = 6.8 mm, I2 = 2.5 mm	black
3-stage, strip-off dimension I1 = 7.5 mm, I2 = 3.5 mm	black
Stripping tool , for standard 2.5, 4, and 6 mm ² solar cables, with 15 mm length stop, for SUNCLIX field connectors	black
Stripping tool , for 2.5 - 6 mm ² solar cables, 8.5 mm stripping length, for MC3, MC4 and SOLARLOK contacts	black
Stripping tool , for CATV type F, stripping length: 6.35 mm	black

Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX-D CX-1	1212163	1
WIREFOX-D CX-2	1212164	1
WIREFOX-D CX-3	1212165	1
WIREFOX-D CX-4	1212166	1
WIREFOX-D CX-5	1212167	1
WIREFOX-D CX-6	1212168	1
WIREFOX-D CX-7	1212169	1
WIREFOX-D CX-8	1212170	1
WIREFOX-D CX-9	1212171	1

Spare knife

Accessories		
WIREFOX-D CX-1/SB	1212303	1
WIREFOX-D CX-2/SB	1212304	1
WIREFOX-D CX-3/SB	1212305	1
WIREFOX-D CX-4/SB	1212306	1
WIREFOX-D CX-5/SB	1212307	1
WIREFOX-D CX-6/SB	1212308	1
WIREFOX-D CX-7/SB	1212309	1
WIREFOX-D CX-8/SB	1212310	1
WIREFOX-D CX-9/SB	1212311	1



new



For solar cables, conductor cross section of
2.5 - 6 mm²



For coaxial cables, RG 59 and RG 6

ERC

Ordering data		
Type	Order No.	Pcs. / Pkt.

WIREFOX-D SR 6-1	1212511	1
WIREFOX-D SR 6	1212507	1

Accessories

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Ordering data		
Type	Order No.	Pcs. / Pkt.

WIREFOX-D CX 6,35	1212733	1

Accessories

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Hand tools

CRIMPHANDY, portable hand-held machine, for a 1.0 mm² conductor cross section

The product innovation for switchgear manufacturing – the Crimphandy. You can strip and crimp your conductors in under two seconds using this portable hand-held device – in 75% less time than before.

- The Crimphandy impresses with its easy, effortless handling, which helps protect your joints and tendons
- The compact lightweight tool is ideal for mobile use in the field. Up to 2000 crimping operations can be performed, thanks to the high-performance lithium-ion polymer battery
- Automatic cross section monitoring prevents faulty crimping as a result of incorrect conductor sizes
- The attachable waste receptacle catches the discarded insulation and thereby helps to ensure a clean working environment

Notes:

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.

1.0 mm² conductor cross section

Dimensions	
	[mm]
General data	
Weight	[kg]
Conductor	[mm ²] / AWG
Working cycle	[s]
Compression	

Technical data		
Width	Length	Height
43	205	70
0.43	- 1 / -	< 2
Square crimp		

Description
Portable hand-held machine, battery-powered , for ferrules, 1.0 mm ² , incl. battery and charger, 100 -240 V, in a robust case
For standard PVC conductors (class 5)

Ordering data		
Type	Order No.	Pcs. / Pkt.
CF CRIMPHANDY 1,0	1212465	1

Reel ferrules , 1.0 mm ² , 8 mm, with plastic sleeve, according to DIN 46228-4, 50 pieces per strip, 20 strips per unit pack
Red, according to DIN 46228-4 and NF C 63-023: 1994-02
Yellow, special color, according to DIN 46228-4 and NF C 63-023: 1994-02
Replacement battery , for CF Crimphandy..., Li-ion 7.4 V, 0.68 Ah
Replacement charger , for CF CRIMPHANDY..., 100 - 240 V AC
Receptacle tray for CF-CRIMPHANDY
Replacement service tool , for CF-CRIMPHANDY 1.0

Accessories		
	Order No.	Pcs. / Pkt.
AI 1,0-8 RD-S	1212523	1000
AI 1,0-8 YE-S	1212782	1000
CF CRIMPHANDY/ACCU	1212518	1
CF CRIMPHANDY/CHARGER	1212519	1
CF CRIMPHANDY/COVER	1212709	1
CF CRIMPHANDY 1,0/SERVICE-TOOL	1212759	1



CRIMPHANDY, portable hand-held machine, for a 1.5 mm² conductor cross section



The product innovation for switchgear manufacturing – the Crimphandy. You can strip and crimp your conductors in under two seconds using this portable hand-held device – in 75% less time than before.

- Ferrules are automatically fed in, in strip form, via the integrated magazine, enabling multiple conductors to be crimped one after another without interruption
- The sleeves can be reloaded within a matter of seconds. The special sleeves with function end prevent incorrect insertion

The square crimp mold is ideal for the terminal blocks from the CLIPLINE complete system

- UT... screw connection terminal blocks
- ST... spring-cage connection terminal blocks
- PT... push-in connection terminal blocks
- COMBI plug-in connection solutions

Notes:

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.



1.5 mm² conductor cross section

Dimensions	
	[mm]
General data	
Weight	[kg]
Conductor	[mm ²] / AWG
Working cycle	[s]
Compression	

Technical data		
Width	Length	Height
43	205	70
0.43		
- 1.5 / -		
< 2		
Square crimp		

Description
Portable hand-held machine, battery-powered , for ferrules, 1.5 mm ² , incl. battery and charger, 100 - 240 V, in a robust case
For standard PVC conductors (class 5)

Ordering data		
Type	Order No.	Pcs. / Pkt.
CF CRIMPHANDY 1,5	1212466	1

Reel ferrules , 1.5 mm ² , 8 mm, with plastic sleeve, according to DIN 46228-4, 50 pieces per strip, 20 strips per unit pack
Black, according to DIN 46228-4 and NF C 63-023: 1994-02
Red, special color, according to DIN 46228-4 and NF C 63-023: 1994-02
Replacement battery , for CF Crimphandy..., Li-ion 7.4 V, 0.68 Ah

Accessories		
	Order No.	Pcs. / Pkt.
AI 1,5-8 BK-S	1212524	1000
AI 1,5-8 RD-S	1212781	1000
CF CRIMPHANDY/ACCU	1212518	1
CF CRIMPHANDY/CHARGER	1212519	1
CF CRIMPHANDY/COVER	1212709	1
CF CRIMPHANDY 1,5/SERVICE-TOOL	1212708	1

Replacement charger , for CF CRIMPHANDY..., 100 - 240 V AC
Receptacle tray for CF-CRIMPHANDY
Service tool , for CF-CRIMPHANDY 1,5, for rectifying malfunctions



Hand tools

CRIMPFOX 4 IN 1 multi-functional crimping pliers



- The multi-functional CRIMPFOX 4 IN 1 crimping pliers are used to process taped ferrules according to DIN 46228-4
- 4 functions combined in a single tool: cutting, stripping, twisting, and crimping
- An effective handling process enables all steps to be performed without putting the tool down



- Fitted with a releasing pressure lock, the pliers provide consistently high-quality crimping and are therefore ideal for industrial use

Application range

Conductor	[mm ²] / AWG
Compression	

Description

Tool for processing ferrules with cutting, stripping, twisting, and crimping unit, with one magazine

Tool for processing ferrules with cutting, stripping, twisting, and crimping unit, with three magazines, including one strip each of ferrules from 0.5 mm² - 2.5 mm², packaged in a robust plastic case

Taped ferrules, 0.5 mm², sleeve length: 8 mm, with plastic collar, according to DIN 46228-4, white, for processing with the CRIMPFOX 4 IN 1, 10 strips each with 50 sleeves per strip



- The robust stripping unit with its special blade geometry provides permanently consistent stripping results
- Length and cross section settings are not necessary
- In order to re-establish the twist which is lost during the stripping process, a twisting system is included



- The cross section can be conveniently changed in a matter of seconds by replacing the magazine which is loaded with taped product

10 strips each with 40 sleeves per strip

blue

Ferrule magazine for CRIMPFOX 4 IN 1, for ferrules with insulating collars from 0.5 - 2.5 mm with a length of 8 mm



new

Multi-functional ferrule crimping pliers



new

Conductor cross section of 0.5 - 2.5 mm²

Technical data
0.5 - 2.5 / 20 - 14 Indent crimp

Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX 4 IN 1	1200101	1
CRIMPFOX 4 IN 1 SET	1200102	1

Accessories		
CRIMPFOX 4 IN 1/MAG	1200103	1

Technical data
- / - -

Ordering data		
Type	Order No.	Pcs. / Pkt.
Al 0,5-8 WH S1	1200104	500
Al 0,75-8 GY S1	1200105	500
Al 1,0-8 RD S1	1200106	500
Al 1,5-8 BK S1	1200107	500
Al 2,5-8 BU S1	1200108	400

Accessories		

Hand tools

CRIMPFOX crimping pliers for ferrules



- Extensive range of crimping pliers
- All ferrules can be optimally crimped with a minimum amount of effort even in the case of large conductor cross sections
- Consistently high crimping quality thanks to the integrated pressure lock
- Marked die stations for precise processing of corresponding cross sections



0.25 - 2.5 mm² conductor cross section

Application range	
Conductor	[mm²] / AWG
Compression	
Description	
Crimping pliers , compact pliers, for ferrules according to DIN 46228-1 and DIN 46228-4, unlockable pressure lock, lateral entry	
Crimping pliers , for ferrules as per DIN 46228-1 and DIN 46228-4, five marked die stations, pressure lock can be released, lateral entry	
Crimping pliers , compact pliers, for ferrules according to DIN 46228-1 and DIN 46228-4, unlockable pressure lock, lateral entry	
Crimping pliers , compact pliers, for ferrules according to DIN 46228-1 and DIN 46228-4, unlockable pressure lock, lateral entry	
Replacement die	
Replacement recuperating spring	

Technical data		
0.25 - 2.5 / 24 - 12		
Trapezoidal crimp		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX 2,5-M	1212719	1
Accessories		
CRIMPFOX/ SPR-1	1212069	1

Conductor cross section of 0.25 - 6 mm²0.25 - 6 mm² conductor cross section4 - 10 mm² conductor cross section

ERC

Technical data		
0.25 - 6 / 24 - 10 Trapezoidal crimp		

Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6	1212034	1

Accessories		
CRIMPFOX 6/DIE	1212035	1
CRIMPFOX/ SPR-3	1212036	1

Technical data		
0.25 - 6 / 24 - 10 Trapezoidal crimp		

Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6-M	1212720	1

Accessories		
CRIMPFOX/ SPR-1	1212069	1

Technical data		
4 - 10 / 12 - 8 Trapezoidal crimp		

Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX 10	1212721	1

Accessories		
CRIMPFOX/ SPR-1	1212069	1

Hand tools

CRIMPFOX crimping pliers for ferrules

- Extensive range of crimping pliers
- All ferrules can be optimally crimped with a minimum amount of effort even in the case of large conductor cross sections
- Consistently high crimping quality, thanks to the integrated pressure lock

CRIMPFOX 6T-F

- Self-adjusting die automatically adapts to the connector size
- Bound to impress, thanks to the quick and reliable contact processing method
- Ergonomically designed handles ensure an optimum grip and help avoid fatigue when working



Conductor cross section of 0.25 - 6 mm²

ERC

Technical data		Ordering data	
Application range		Type	
Conductor [mm²] / AWG		Order No.	
Compression		Pcs. / Pkt.	
Description		CRIMPFOX 6T	
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, lateral entry		1212037	
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, front entry			
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, front entry			
Accessories			
Replacement recuperating spring		CRIMPFOX/ SPR-1	
		1212069	
		1	

Conductor cross section of 0.25 - 6 mm²Conductor cross section of 0.5 - 6 mm²

EAC

Technical data		
0.25 - 6 / 24 - 10 Trapezoidal crimp		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6T-F	1212038	1
Accessories		
CRIMPFOX/ SPR-1	1212069	1

EAC

Technical data		
0.5 - 6 / 20 - 10 Square crimp		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6S-F	1212043	1
Accessories		
CRIMPFOX/ SPR-3	1212036	1

Hand tools

CRIMPFOX crimping pliers for ferrules

- These compact crimping pliers have been designed to reduce effort when working
- Self-adjusting die automatically adapts to the connector size

Notes:

For corresponding ferrules, see from page 444.



Conductor cross section of 0.14 - 10 mm²



Conductor cross section of 0.14 - 6 mm²

ERC

Technical data

Application range	
Conductor	[mm ²] / AWG
Compression	

0.14 - 10 / 25 - 7
Square crimp

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 10S	1212045	1

Accessories

CRIMPFOX/SPR-2	1212047	1
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ERC

Technical data

0.14 - 6 / 25 - 10
HEX crimp

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6H	1212046	1

Accessories

CRIMPFOX/SPR-2	1212047	1
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CRIMPFOX crimping pliers for ferrules

- These crimping pliers can be used to process ferrules measuring up to 50 mm²
- Ergonomically designed handles ensure an optimum grip and reduce the amount of force required by 25 percent

Notes:

For corresponding ferrules, see from page 444.



Conductor cross section of 10 - 25 mm²



Conductor cross section of 35 - 50 mm²

ERC

Technical data		
10 - 25 / 8 - 4		
WM crimp		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX 25R	1212039	1
Accessories		
CRIMPFOX 25R/DIE	1212040	1
CRIMPFOX/ SPR-1	1212069	1

ERC

Technical data		
35 - 50 / 2 - 1		
WM crimp		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX 50R	1212041	1
Accessories		
CRIMPFOX 50R/DIE	1212042	1
CRIMPFOX/ SPR-1	1212069	1

Application range

Conductor [mm²] / AWG

Compression

Description

Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, three marked die stations, pressure lock can be released, lateral entry

Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, two marked die stations, pressure lock can be released, lateral entry

Replacement die

Replacement recuperating spring

Conductor cross section of 0.5 - 6 mm²Conductor cross section of 0.5 - 6 mm²Conductor cross section of 0.5 - 6 mm²

ERC

ERC

Technical data
0.5 - 6 / 20 - 10 Oval crimp

Technical data
0.5 - 6 / 20 - 10 Oval crimp

Technical data
0.5 - 6 / 20 - 10 Oval crimp

Ordering data

Ordering data

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RCI 6	1212057	1
CRIMPFOX-RCI 6-M	1212730	1
CRIMPFOX-RCI DIN 6	1212729	1

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RCI 6-1	1212059	1

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-HS 6	1212722	1

Hand tools

CRIMPFOX crimping pliers for non-insulated cable lugs

- For processing non-insulated cable lugs
- Compact and lightweight design
- Unlockable pressure lock
- Marked die stations for precise processing of the relevant cross sections

Notes:
Suitable ferrules, cable lugs and flat connectors have been documented, see from page 444.
For replacement dies and retaining springs, visit phoenixcontact.net/products



Conductor cross section of 0.35 - 2.5 mm²



Conductor cross section of 0.5 - 6 mm²

ERC

Application range		Technical data			Technical data		
Conductor	[mm ²] / AWG	0.35 - 2.5 / 22 - 14			0.5 - 6 / 20 - 10		
Compression		Indent crimp			Indent crimp		
Description		Ordering data			Ordering data		
Crimping pliers , for non-insulated cable lugs, three marked die stations, pressure lock can be released, lateral entry		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers , compact pliers, for uninsulated cable lugs, three marked die stations, unlockable pressure lock, lateral entry		CRIMPFOX-RC 2,5	1212063	1			
Crimping pliers , compact pliers, for uninsulated cable lugs, two marked die stations, unlockable pressure lock, lateral entry		CRIMPFOX-RC 2,5-M	1212723	1			
Crimping pliers , for uninsulated cable lugs, two marked die stations, unlockable pressure lock, lateral entry					CRIMPFOX-RC 6-M	1212724	1
Crimping pliers , for uninsulated cable lugs, three marked die stations, unlockable pressure lock, lateral entry							

Conductor cross section of 0.5 - 6 mm²Conductor cross section of 4 - 10 mm²Conductor cross section of 10 - 25 mm²

EAC

Technical data		
0.5 - 6 / 20 - 10 Indent crimp		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RC 6	1212710	1

Technical data		
4 - 10 / 12 - 8 Indent crimp		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RC 10	1212061	1

Technical data		
10 - 25 / 8 - 4 Indent crimp		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RC 25	1212065	1

Hand tools

CRIMPFOX crimping pliers for
uninsulated tube lugs

- For processing uninsulated tube lugs
- Consistently high crimping quality, thanks to the integrated pressure lock



4 - 16 mm² conductor cross section



10 - 70 mm² conductor cross section

		Technical data			Technical data		
Application range							
Conductor	[mm ²] / AWG	4 - 16 / 4 - 12			10 - 70 / 8 - 00		
Compression		Indent crimp			Indent crimp		
		Ordering data			Ordering data		
Description		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for standard, uninsulated tube lugs, three marked die stations		CRIMPFOX-RCT 16-1	1212731	1			
Crimping pliers, for standard, uninsulated tube lugs, three marked die stations, unlockable pressure lock, lateral entry, 10 - 25 mm ² conductor cross section, crimping: HEX crimp					CRIMPFOX-RCT 25-1	1212066	1
Crimping pliers, for standard, uninsulated tube lugs, with rotatable die, 5 stations, 10 - 70 mm ² conductor cross section					CRIMPFOX-RCT 70-1	1212732	1

CRIMPFOX basic pliers, for accommodating various crimp inserts

- Universal crimping pliers up to 120 mm²
- Wide variety of available dies
- Easily foldable jaw holders mean that the dies can be changed quickly
- A mechanical drive system keeps the level of force required to an absolute minimum

Notes:

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 444.

For more dies, see phoenixcontact.net/products.



For dies up to 50 mm²



For dies up to 120 mm²

ERC

Ordering data		
Type	Order No.	Pcs. / Pkt.

CRIMPFOX-C50

1212340

1

Accessories

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CRIMPFOX-C50 RCI 10/DIE
CRIMPFOX-C50 RCI 16/DIE
CRIMPFOX-C50 RCI 25/DIE

1212346
1212347
1212348

1
1
1

CRIMPFOX-C50 RC 35/M-DIE

1212343

1

CRIMPFOX-C50 RC 25/F-DIE

1212344

1

CRIMPFOX-C50 RC 35/F-DIE

1212345

1

CRIMPFOX-C50 RCT 35-1/DIE

1212341

1

CRIMPFOX-C50 RCT 50-1/DIE

1212342

1

CRIMPFOX-C50 R25-35/DIE
CRIMPFOX-C50 R35-50/DIE
CRIMPFOX-C50 R50-70/DIE

1212349
1212350
1212351

1
1
1

ERC

Ordering data		
Type	Order No.	Pcs. / Pkt.

CRIMPFOX-C120

1212318

1

Accessories

CRIMPFOX-C120 AI 70/M-DIE	1212335	1
CRIMPFOX-C120 AI 95/M-DIE	1212336	1
CRIMPFOX-C120 AI 50/F-DIE	1212337	1
CRIMPFOX-C120 AI 70/F-DIE	1212338	1
CRIMPFOX-C120 AI 95/F-DIE	1212339	1
CRIMPFOX-C120 AI 120/DIE	1209910	1

CRIMPFOX-C120 RCI 10/DIE
CRIMPFOX-C120 RCI 16/DIE
CRIMPFOX-C120 RCI 25/DIE
CRIMPFOX-C120 RCI 35/DIE

1212327
1212328
1212329
1212330

1
1
1
1

CRIMPFOX-C120 RC 70/M-DIE

1212331

1

CRIMPFOX-C120 RC 35/F-DIE
CRIMPFOX-C120 RC 50/F-DIE
CRIMPFOX-C120 RC 70/F-DIE

1212332
1212333
1212334

1
1
1

CRIMPFOX-C120 RCT 35-1/DIE

1212320

1

CRIMPFOX-C120 RCT 50-1/DIE
CRIMPFOX-C120 RCT 70-1/DIE
CRIMPFOX-C120 RCT 95-1/DIE
CRIMPFOX-C120 RCT 120-1/DIE

1212321
1212319
1212322
1212323

1
1
1
1

CRIMPFOX-C120 R25-50/DIE
CRIMPFOX-C120 R35-70/DIE
CRIMPFOX-C120 R95/DIE

1212324
1212325
1212326

1
1
1

Hand tools

CRIMPFOX crimping pliers for non-insulated slip-on sleeves

- For processing non-insulated flat connectors and slip on sleeves with a cross section of up to 6 mm²
- Consistently high crimping quality, thanks to the integrated pressure lock
- Marked die stations for precise processing of the relevant cross sections

Notes:

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 444.



Conductor cross section of 0.1 - 1.5 mm²



Conductor cross section of 0.1 - 1.5 mm²

ERC

Application range

Conductor [mm²] / AWG
Compression

Description

Color

Crimping pliers, for 2.8 / 4.8 / 6.3 mm non-insulated slip-on sleeves, three marked die stations, unlockable pressure lock, lateral entry

Crimping pliers, compact pliers, for uninsulated slip-on sleeves, 2.8 / 4.8 / 6.3 mm, three marked die stations, unlockable pressure lock, lateral entry

Crimping pliers, for 2.8 / 4.8 / 6.3 mm non-insulated slip-on sleeves, three marked die stations, unlockable pressure lock, lateral entry

black

Crimping pliers, for 2.8 / 4.8 / 6.3 mm non-insulated slip-on sleeves, three marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool

black

Crimping pliers, compact pliers, for angled, uninsulated slip-on sleeves, marked die station, unlockable pressure lock, lateral entry

Technical data

0.1 - 1.5 / 26 - 16
B crimp

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-SC 1,5	1212048	1

Technical data

0.1 - 1.5 / 26 - 16
B crimp

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-SC 1,5-M	1212725	1

Accessories

CRIMPFOX-SC 1,5/DIE	1212049	1
CRIMPFOX/ SPR-3	1212036	1

Accessories

CRIMPFOX/ SPR-1	1212069	1
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Replacement die

Replacement recuperating spring

Conductor cross section of 0.5 - 6 mm²Conductor cross section of 0.5 - 6 mm²For angled slip-on sleeves, 1.0 - 2.5 mm²
conductor cross section

EAC

EAC

Technical data		
0.5 - 6 / 22 - 10 B crimp		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX-SC 6	1212050	1
Accessories		
CRIMPFOX-SC 6/DIE	1212051	1
CRIMPFOX/ SPR-1	1212069	1

Technical data		
0.5 - 6 / 22 - 10 B crimp		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX-SC 6L	1212052	1
Accessories		
CRIMPFOX-SC 6/DIE	1212051	1
CRIMPFOX/ SPR-1	1212069	1

Technical data		
1 - 2.5 / 18 - 14 B crimp		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPFOX-SCA 2,5-M	1212726	1
Accessories		
CRIMPFOX-SCA 2,5-M/DIE		
CRIMPFOX/ SPR-1	1212069	1

Hand tools

CRIMPFOX crimping pliers for turned contacts

- Crimping pliers for processing turned contacts of up to 10 mm²
- The integrated positioning tool ensures that the contacts are perfectly aligned in the die
- Marked die stations for precise processing of the relevant cross sections



Conductor cross section of 0.5 - 4 mm²

Application range		Technical data		
Conductor	[mm ²] / AWG	0.5 - 4 / 22 - 12		
Compression		Square crimp		
Description		Ordering data		
Color		Type	Order No.	Pcs. / Pkt.
Crimping pliers, for turned contacts with a pin diameter of 1.6 / 2.5 / 4.0 mm				
- For CK1,6-ED ... , CK2,5-ED..., CK4,0-E D... 0,5-4 mm ² turned contacts		CRIMPFOX-TC 4	1212113	1
For conductor cross sections of 6 – 10 mm ²		CRIMPFOX-TC 10	1212114	1
Replacement die		Accessories		
- For CRIMPFOX-TC 4		CRIMPFOX-TC 4/DIE	1212295	1
- For CRIMPFOX-TC 10		CRIMPFOX-TC 10/DIE	1212296	1
Replacement recuperating spring		CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX four-mandrel crimping pliers for turned contacts, with digital display

- Crimping pliers for processing turned pin and socket contacts of up to 2.5 mm²
- Crimp depth setting in increments from 0.01 mm possible
- Low strain and length adjustment of the contacts, thanks to special crimp geometry
- The integrated positioning tool ensures that the contacts are perfectly aligned in the die
- You can find further details on this product (incl. connector matrix) at phoenixcontact.net/products



Conductor cross sections up to 2.5 mm²

Application range		Technical data		
Conductor	[mm ²] / AWG	0.08 - 2.5 / 28 - 13		
Compression		Four-mandrel crimping		
Description		Ordering data		
Color		Type	Order No.	Pcs. / Pkt.
Crimping pliers, for turned contacts, universal cross section setting, up to a maximum of 2.5 mm ² , digital display with 0.01 mm increments, unlockable pressure lock, lateral entry, including positioning tool				
black		CRIMPFOX-TC MP	1212510	1
Crimping pliers, for turned contacts, universal cross section setting, from 0.08 mm ² up to a maximum of 2.5 mm ² , digital display with 0.01 mm increments, pressure lock can be unlocked, lateral entry, including positioning tool				
black		CRIMPFOX-TC MP-1	1212620	1

CRIMPFOX crimping pliers for coaxial connectors

- CRIMPFOX–CX... are crimping pliers for processing coaxial connectors
- Consistently high crimping quality, thanks to the pressure lock, which can be unlocked without tools
- Marked die stations for precise processing of corresponding cross sections



For coaxial connectors

Notes:

For replacement dies and retaining springs, go to the product area on the website at phoenixcontact.net/products.

ERC

Application range		Technical data			Technical data		
Compression		HEX crimp			HEX crimp		
Ordering data		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimp pliers, for: Coaxial connector 1.69 mm, 3.25 mm, 4.52 mm, three marked die stations, pressure lock can be released, lateral entry, Hex crimp		CRIMPFOX-CX 4,52	1212094	1			
Crimping pliers, compact pliers, coaxial connectors, 1.69 mm, 3.25 mm, 4.52 mm, three marked die stations, unlockable pressure lock, lateral entry, Hex crimp					CRIMPFOX-CX 4,52-M	1212713	1
Crimping pliers, compact pliers, coaxial connectors, 1.69 mm, 5.41 mm, 6.48 mm, three marked die stations, unlockable pressure lock, lateral entry, Hex crimp					CRIMPFOX-CX 6,48-M	1212714	1
Crimping pliers, for: coaxial connectors, 1.69 mm, 5.41 mm, 6.48 mm, three marked die stations, unlockable pressure lock, lateral entry, Hex crimp		CRIMPFOX-CX 6,48	1212095	1			
Crimping pliers, compact pliers, coaxial connectors, 0.7 mm, 1.07 mm, 1.69 mm, 3.25 mm, 4.52 mm, 5.41 mm, six marked die stations, unlockable pressure lock, lateral entry, Hex crimp					CRIMPFOX-CX 5,41-M	1212712	1
Crimping pliers, for: coaxial connectors, 1.73 mm, 8.23 mm, 9.14 mm, three marked die stations, unlockable pressure lock, lateral entry	black				CRIMPFOX-CX 9,14	1212096	1
Crimping pliers, for: coaxial connectors, 2.54 mm, 10.54 mm, two marked die stations, unlockable pressure lock, lateral entry	black				CRIMPFOX-CX 10,54	1212097	1
Crimping pliers, for: coaxial connectors, 2.54 mm, 10.90 mm, two marked die stations, unlockable pressure lock, lateral entry	black				CRIMPFOX-CX 10,90	1212098	1
Crimping pliers, compact pliers, coaxial connectors, 1.69 mm, 2.54 mm, 5.41 mm, 10.90 mm, four marked die stations, unlockable pressure lock, lateral entry					CRIMPFOX-CX 10,90-1	1212715	1
Crimping pliers, compact pliers, coaxial connectors, HDTV, BNC, TNC, 1.04 mm, 4.52 mm, 6.48 mm, 7.06 mm, four marked die stations, unlockable pressure lock, lateral entry					CRIMPFOX-CX 7,06 HD-M	1212718	1

Hand tools

CRIMPFOX crimping pliers for coaxial CATV connectors

- CRIMPFOX-CATV... are crimping pliers for processing coaxial CATV connectors
- Consistently high crimping quality, thanks to the pressure lock
- It is released as soon as the required crimping pressure is reached, therefore ensuring sufficient pressure is applied
- Ergonomically designed handle for fatigue-proof and non-slip use



For 1.69 mm, 8.23 mm



For 6.65 mm, 8.23 mm, 9.70 mm

Application range

Compression

Description

Crimping pliers, for CATV connectors, RG 6.59, 1.69 mm, 8.23 mm, two marked die stations, unlockable pressure lock, lateral entry

Crimping pliers, for CATV connectors, 6.65 mm, 8.23 mm, 9.70 mm, three marked die stations, unlockable pressure lock, lateral entry

Technical data

HEX crimp

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-CATV 8,23	1212716	1

Technical data

HEX crimp

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-CATV 8,23-1	1212717	1

CRIMPFOX crimping pliers for D-SUB, coaxial, and fiber optic connectors

- The integrated positioning tool of the CRIMPFOX D-SUB... ensures that the contacts are perfectly aligned in the die

Notes:

For replacement dies and retaining springs, go to the product area on the website at phoenixcontact.net/products.



Crimping pliers, for D-SUB contacts



Crimping pliers, for fiber optic connectors

Application range

Compression

Description

Color

Crimping pliers

- For rolled D-SUB contacts, high-density, 0.08 mm² - 0.5 mm², incl. contact locator

black

- For rolled D-SUB contacts, standard, 0.05 mm² - 0.5 mm², incl. contact locator

Crimping pliers, for fiber optics connector, 3.25 mm, 3.84 mm, 4.52 mm, 5.0 mm, 5.41 mm, five marked die stations, pressure lock can be released, lateral entry

Technical data

B crimp

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-DSUB 5	1212111	1
CRIMPFOX-DSUB 5-1	1212711	1

Technical data

HEX crimp

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-FO 5,41	1212099	1

CRIMPFOX crimping pliers for solar connectors



- Safe crimping of MC3 and MC4 solar connectors from Multi-Contact and SOLARLOK connectors from Tyco
- Ergonomically designed grip
- Optimized mechanical transmission reduces the force required by up to 25 percent



Conductor cross section of 2.5 - 6 mm²

Description

Crimping pliers, square crimp, for MC3 solar connectors, 2.5 – 6 mm², unlockable pressure lock, lateral entry, with three marked die stations

Crimping pliers, B-crimp, for MC4 solar connectors, 2.5 – 6 mm², unlockable pressure lock, lateral entry, with three marked die stations

Crimping pliers, square crimp, for SOLARLOK solar connectors, 2.5 – 6 mm², unlockable pressure lock, lateral entry, with three marked die stations

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-SR 6-1	1212467	1
CRIMPFOX-SR 6-2	1212468	1
CRIMPFOX-SR 6-3	1212469	1

CRIMPFOX universal pliers for accommodating various crimp inserts



Notes:

For more crimping dies for ferrules, cable lugs, slip-on sleeves, turned contacts, coaxial, RJ45, and RJ11 plugs, visit phoenixcontact.net/products

Description

Basic pliers, for accommodating dies for various contact types, pressure lock can be unlocked, lateral entry

Crimping pliers set, consisting of CRIMPFOX-M and dies 1212074, 1212079, 1212080, 1212081



Basic pliers

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-M	1212072	1
CRIMPFOX-M SET	1212093	1

- One of the key features of the CRIMPFOX-M crimping pliers is the way the crimp inserts can be quickly replaced without the need for tools
- The variety of inserts makes it a space-saving universal tool for all crimping applications
- Suitable for one and two-hand operation. Contacts up to 50 mm² can also be processed easily, with minimum effort

Hand tools

Dies for the CRIMPFOX-M universal pliers

Notes:

For more crimping dies for ferrules, cable lugs, slip-on sleeves, turned contacts, coaxial, RJ45, and RJ11 plugs, visit phoenixcontact.net/products



Dies for CRIMPFOX-M

ERC

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Die , for MC3 solar connectors, lateral entry, 2.5 - 6 mm ²			
For MC4 solar connectors, lateral entry, 2.5 - 6 mm ²	CRIMPFOX-M SR 6-1/DIE	1212471	1
	CRIMPFOX-M SR 6-2/DIE	1212472	1
For SOLARLOK solar connectors, lateral entry, 2.5 - 6 mm ²	CRIMPFOX-M SR 6-3/DIE	1212473	1
Die , for ferrules, 0.25 - 10 mm ²			
For 16 - 25 mm ²	CRIMPFOX-M 10/DIE	1212080	1
For 35 - 50 mm ²	CRIMPFOX-M 25/DIE	1212081	1
	CRIMPFOX-M 50/DIE	1212082	1
Die , for insulated cable lugs, 0.5 - 1.5 mm ² and 1.5 - 2.5 mm ²			
For insulated cable lugs, 0.1 - 0.4 mm ² and 4 - 6 mm ²	CRIMPFOX-M RCI 2,5/DIE	1212074	1
	CRIMPFOX-M RCI 6/DIE	1212073	1
Die , for non-insulated cable lugs, 0.75 - 2.5 mm ²			
For 0.5 - 6 mm ²	CRIMPFOX-M RC 2,5/DIE	1212078	1
For 4 - 6 and 10 mm ²	CRIMPFOX-M RC 6/DIE	1212079	1
For 4 - 10 mm ²	CRIMPFOX-M RC 10-1/DIE	1212744	1
	CRIMPFOX-M RC 10/DIE	1212077	1
Die , for non-insulated slip-on sleeves, 0.1 - 1 mm ²			
For 0.5 - 2.5 mm ²	CRIMPFOX-M SC 1/DIE	1212083	1
For 0.5 - 6 mm ²	CRIMPFOX-M SC 2,5/DIE	1212084	1
with wide, flat crimp for 0.5 - 6 mm ²	CRIMPFOX-M SC 6/DIE	1212085	1
	CRIMPFOX-M SC 6-FL/DIE	1212741	1
For angled slip-on sleeves, for 6.3 mm, 1.0 - 2.5 mm ²	CRIMPFOX-M SCA 2,5/DIE	1212742	1
For angled slip-on sleeves, for 8 mm, 1.0 - 2.5 mm ²	CRIMPFOX-M SCA 2,5-1/DIE	1212743	1
Die , For turned contacts with pin diameters 2.5 mm and 4.0 mm (CK 2,5..., CK 4,0), cross section 0.14 - 4 mm ²	CRIMPFOX-M TC 4/DIE	1212075	1
For turned contacts with pin diameter 4 mm (CK 4,0...), cross section 6 - 10 mm ²	CRIMPFOX-M TC 10/DIE	1212076	1
Die , for RG 174, RG 179, BNC, TNC coaxial connectors			
For RG 58, RG 59, RG 62, RG 71, BNC, TNC	CRIMPFOX-M CX-1/DIE	1212087	1
	CRIMPFOX-M CX-2/DIE	1212088	1
For CATV RG 6,59	CRIMPFOX-M CX-3/DIE	1212089	1
For BNC, TNC, RG6, 1.73, 6.48, 8.23 mm	CRIMPFOX-M CX-4/DIE	1212745	1
For BNC, TNC, 0.70, 3.25, 3.85 mm	CRIMPFOX-M CX-5/DIE	1212746	1
For BNC, TNC, 1.07, 6.48, 8.23 mm	CRIMPFOX-M CX-6/DIE	1212747	1
For BNC, TNC, 1.72, 5.41 mm	CRIMPFOX-M CX-7/DIE	1212748	1
For CATV RG 6.59 1.72, 8.23 mm	CRIMPFOX-M CX-8/DIE	1212749	1
Die , for unshielded RJ45 connectors			
For unshielded RJ11 connectors	CRIMPFOX-M RJ45/DIE	1212090	1
	CRIMPFOX-M RJ11/DIE	1212091	1
Die , for shrink connectors, 0.5 - 1.5 mm ² red and 1.5 - 2.5 mm ² blue	CRIMPFOX-M HS/DIE	1219092	1
Die , for shrink connectors, 0.1 - 0.4 mm ² green and 4 - 6 mm ² yellow			
	CRIMPFOX-M HS-1/DIE	1212282	1

CRIMPFOX universal pliers for accommodating various dies for data plugs

- One of the key features of the CRIMPFOX–C D crimping pliers is the way the crimp inserts can be quickly replaced without the need for tools
- The variety of inserts makes them a space-saving universal tool for data plug applications



Basic pliers



Die for CRIMPFOX-C D

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Basic pliers , for accommodating dies for various contact types, pressure lock can be unlocked, lateral entry							
	black	CRIMPFOX-C D	1212734	1			
Die , for unshielded RJ11 plugs					CRIMPFOX-C RJ11/DIE	1212735	1
Die , for unshielded RJ22 plugs					CRIMPFOX-C RJ22/DIE	1212736	1
Die , for unshielded RJ45 plugs					CRIMPFOX-C RJ45/DIE	1212737	1
Die , for unshielded RJ45 plugs, universal							
					CRIMPFOX-C RJ45U/DIE	1212738	1
Die , 10-pos.					CRIMPFOX-C 10P/DIE	1212739	1
Die , for DEC MML plugs					CRIMPFOX-C MMJ/DIE	1212740	1

Hand tools

SCREWFOX screwdrivers for slotted-head screws



- Large contact surface of blades inside screw head
- Individually tested safety screwdrivers acc. to DIN EN 60900 (VDE 0682-201)
- For working on or in the vicinity of live parts up to 1000 V AC or 1500 V DC
- The tools feature ergonomic two-component safety handles



VDE flat-bladed screwdriver



Ordering data

Ordering data		
Type	Order No.	Pcs. / Pkt.
Description		
Screwdriver , for slotted-head screws, with VDE approval		
Blade: 0.4 x 2.5 x 80 mm, length: 161 mm	SZS 0,4X2,5 VDE	1205037 10
Blade: 0.5 x 3.5 x 100 mm, length: 181 mm	SZS 0,5X3,0 VDE	1207404 10
Blade: 0.6 x 2.5 x 80 mm, length: 161 mm	SZS 0,6X2,5 VDE	1205040 10
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	SZS 0,6X3,5 VDE	1212602 10
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm	SZS 0,8X4,0 VDE	1212508 1
Blade: 1.0 x 4.0 x 100 mm, length: 198 mm	SZS 1,0X4,0 VDE	1205066 10
Blade: 1.0 x 5.5 x 125 mm, length: 223 mm	SZS 1,0X5,5 VDE	1209114 10
Blade: 1.0 x 6.5 x 150 mm, length: 248 mm	SZS 1,0X6,5 VDE	1205079 10
Blade: 1.2 x 8.0 x 175 mm, length: 287 mm	SZS 1,2X8,0 VDE	1205082 10
Screwdriver , two-component handle, with non-slip grip, for slotted-head screws		
Blade: 0.4 x 2.0 x 60 mm, length: 130 mm		
Blade: 0.4 x 2.5 x 75 mm, length: 145 mm		
Blade: 0.4 x 2.5 x 80 mm, length: 161 mm		
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm		
Blade: 0.6 x 3.5 x 200 mm, length: 281 mm		
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm		
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm		
Blade: 1.2 x 6.5 x 150 mm, length: 255 mm		
Screwdriver , two-component handle, with non-slip grip, with impact cap, with hexagon wrench aid for open-end wrench and ring wrench, for slotted-head screws		
Blade: 1.2 x 7 x 125 mm, length: 230 mm		
Blade: 1.6 x 10 x 175 mm, length: 287 mm		



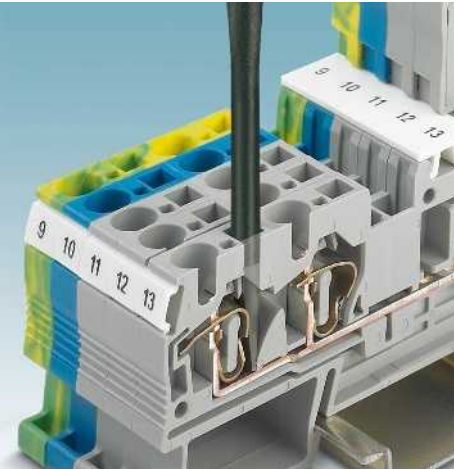
Flat-bladed screwdriver, non-insulated

Ordering data

Type	Order No.	Pcs. / Pkt.
SF-SL 0,4X2,0-60	1212546	10
SF-SL 0,4X2,5-75	1212547	10
SF-SL 0,5X3,0-80	1212548	10
SF-SL 0,6X3,5-100	1212549	10
SF-SL 0,6X3,5-200	1212550	10
SF-SL 0,8X4,0-100	1212551	10
SF-SL 1,0X5,5-150	1212552	10
SF-SL 1,2X6,5-150	1212553	10
SF-SLIC 1,2X7,0-125	1212554	10
SF-SLIC 1,6X10-175	1212555	10

Hand tools

SCREWFOX VDE
screwdriver/actuation tool for ST...
terminal blocks



- In addition to catering for standard applications, SF-SL ... screwdrivers are particularly suited to the assembly of modular terminal blocks
- VDE-tested, for maximum safety
- As the insulation runs into the shaft, there is no protruding edge

Description
Screwdriver/actuation tool , for slotted-head screws/spring-cage terminal blocks, insulated, two-component handle, with non-slip grip, VDE Blade: 0.6 x 3.5 x 100 mm, length: 181 mm
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm
Screwdriver , protective insulation integrated into shaft, insulated according to VDE Size: PZ1 x 80 mm Size: PZ2 x 100 mm
Screwdriver , protective insulation integrated into shaft, insulated according to VDE Size: PH1 x 80 mm Size: PH2 x 100 mm
Screwdriver , protective insulation integrated into shaft, insulated according to VDE Size: Pozidriv® - bladed (plus-minus) PZ1 x 80 mm
Size: Pozidriv® - bladed (plus-minus) PZ2 x 100 mm
Screwdriver , protective insulation integrated into shaft, insulated according to VDE Size: Phillips-Recess® - bladed (plus-minus) PH1 x 80 mm Size: Phillips-Recess® - bladed (plus-minus) PH2 x 100 mm
Screwdriver set , protective insulation integrated into shaft, bladed/Phillips crosshead/combined profile, Pozidriv® + bladed (plus-minus), insulated according to VDE, 7-piece, including rack, set contains the following products: 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH1 x 80; PH2 x 100; PZ1 x 80; PZ2 x 100





1000 V AC
1500 V DC

VDE flat-bladed screwdrivers with integrated insulation

Ordering data		
Type	Order No.	Pcs. / Pkt.
SF-SL 0,6X3,5-100 S-VDE	1212587	10
SF-SL 0,8X4,0-100 S-VDE	1212588	10
SF-SL 1,0X5,5-125 S-VDE	1212589	10





VDE screwdrivers with Pozidriv® or Phillips-Recess® drive, with integrated insulation



VDE screwdrivers with plus-minus drive, with integrated insulation



VDE screwdriver with various drives



Ordering data		
Type	Order No.	Pcs. / Pkt.
SF-PZ 1-80 S-VDE	1212695	10
SF-PZ 2-100 S-VDE	1212696	10
SF-PH 1-80 S-VDE	1212693	10
SF-PH 2-100 S-VDE	1212694	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
SF-PZSL 1-80 S-VDE	1212699	10
SF-PZSL 2-100 S-VDE	1212700	10
SF-PHSL 1-80 S-VDE	1212697	10
SF-PHSL 2-100 S-VDE	1212698	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
SF-SL/PH/PZ-SL SET S-VDE	1212701	1

Hand tools

SCREWFOX screwdriver and actuation tool for ST..., QTC..., and TB... terminal blocks



- In addition to the standard application, these screwdrivers are also ideal for actuating modular terminal blocks from the ST ... and QTC ... series
- The defined blade angle opens the spring terminal block as far as possible without leaving any damage



Flat-bladed screwdriver, non-insulated

ERC

Description
Screwdriver/actuation tool , for slotted-head screws/spring-cage terminal blocks Blade: 0.4 x 2.5 x 75 mm, length: 156 mm
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm
Screwdriver/actuation tool , for slotted-head screws/spring-cage terminal blocks, insulated Blade: 0.6 x 3.5 x 100 mm, length: 181 mm
Actuation tool, insulated , for all 2.5 mm² and 4 mm² ST... spring-cage terminal blocks, plus push-in and QT... fast connection terminal blocks

Ordering data		
Type	Order No.	Pcs. / Pkt.
SZF 0-0,4X2,5	1204504	10
SZF 1-0,6X3,5	1204517	10
SZF 2-0,8X4,0	1204520	10
SZF 3-1,0X5,5	1206612	10
SZS 0,6X3,5	1205053	10





Actuation tool for push-in technology,
ST... and QTC... terminal blocks

ERC

Ordering data		
Type	Order No.	Pcs. / Pkt.
ST-BW	1207608	10

Hand tools

SCREWFOX screwdrivers for Phillips and slotted-head screws



- Screwdrivers for Phillips screws with Pozidriv and Phillips Recess screw head
- VDE approval
- The SZG... screwdrivers have been specially designed for driving in test socket screws safely and without slipping

Notes:
Pozidriv®/Supadriv®, trademarks of European Ind. Serv. Ltd.
Phillips Recess®, trademark of Phillips Screw Company



1000 V AC/
500 V DC

VDE crosshead screwdrivers with Pozidriv® and Phillips-Recess® drive



Description
Screwdrivers, for Pozidriv®/Supadriv® Phillips screws, VDE approval Size: PZ0 x 80 mm, length: 161 mm Size: PZ1 x 80 mm, length: 178 mm Size: PZ2 x 100 mm, length: 205 mm Size: PZ3 x 150 mm, length: 262 mm
Screwdrivers, for Phillips Recess® screws, VDE approval Size: PH0 x 80 mm, length: 161 mm Size: PH1 x 80 mm, length: 178 mm Size: PH2 x 100 mm, length: 205 mm Size: PH3 x 150 mm, length: 262 mm
Screwdrivers, for Pozidriv® Phillips screws Size: PZ0 x 60 mm, length: 141 mm Size: PZ1 x 80 mm, length: 178 mm Size: PZ2 x 100 mm, length: 205 mm Size: PZ3 x 150 mm, length: 262 mm
Screwdrivers, for Phillips Recess® screws Size: PH0 x 60 mm, length: 141 mm Size: PH1 x 80 mm, length: 178 mm Size: PH2 x 100 mm, length: 205 mm Size: PH3 x 150 mm, length: 262 mm
Screwdriver, for Pozidriv®/Supadriv® Phillips screws, VDE approval Size: PZ1 x 80 mm, length: 178 mm Size: PZ2 x 100 mm, length: 205 mm Size: PH1 x 80 mm, length: 178 mm Size: PH2 x 100 mm, length: 205 mm
Screwdriver, for test socket screws, with VDE approval For 2.3 mm Ø screw, blade: 0.6 x 3.5 x 100 mm, length: 198 mm For 4 mm Ø screw, blade: 0.9 x 6.5 x 175 mm, length: 287 mm

Ordering data		
Type	Order No.	Pcs. / Pkt.
SZK PZ0 VDE	1206447	10
SZK PZ1 VDE	1206450	10
SZK PZ2 VDE	1206463	10
SZK PZ3 VDE	1212599	10
SZK PH0 VDE	1205147	10
SZK PH1 VDE	1205150	10
SZK PH2 VDE	1205163	10
SZK PH3 VDE	1212536	10





Crosshead screwdrivers with Pozidriv® and Phillips-Recess® drive



VDE screwdriver with plus-minus drive



VDE screwdriver for test socket screws



Ordering data		
Type	Order No.	Pcs. / Pkt.
SF-PZ 0-60	1212562	10
SF-PZ 1-80	1212563	10
SF-PZ 2-100	1212564	10
SF-PZ 3-150	1212565	10
SF-PH 0-60	1212558	10
SF-PH 1-80	1212559	10
SF-PH 2-100	1212560	10
SF-PH 3-150	1212561	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
SF-PZSL 1-80 VDE	1212556	10
SF-PZSL 2-100 VDE	1212557	10
SF-PHSL 1-80 VDE	1212283	10
SF-PHSL 2-100 VDE	1212288	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
SZG 0,6X3,5 VDE	1205121	10
SZG 0,9X6,5 VDE	1205134	10

SCREWFOX torque screwdrivers



- Torque screwdrivers with hexagonal quick connection holder
- High-precision, finely adjustable torque screwdrivers according to EN ISO 6789
- TSD-M ... torque screwdrivers are adjustable from 0.3 - 6.0 Nm
- The figure below shows the other TSD-M 6NM version

Description	Color
Torque screwdrivers	
Adjustable from 0.3 - 1.2 Nm	black
Adjustable from 1.2 - 3 Nm	black
Adjustable from 3 - 6 Nm	black

Battery-powered screwdriver bit set , 1 attachment set each in 5.5 mm, 8 mm, 13 mm, adapter to 1/4"
Socket wrench insert , magnetic, hexagonal, 1/4" drive, suitable for holders according to DIN 3126-F 6,3 / ISO 1173
Wrench size of 5.5 mm
Wrench size of 8 mm
Wrench size of 10 mm
Wrench size of 13 mm
Adapter for 1/4"
Adapter insert , for torque screwdrivers with adjustable torque, for accommodating SAC nuts for 4 mm hexagonal screwdrivers



Torque screw driver, 0.3 - 1.2 Nm, adjustable

ERC

Ordering data		
Type	Order No.	Pcs. / Pkt.
TSD-M 1,2NM	1212224	1
TSD-M 3NM	1212225	1
TSD-M 6NM	1212226	1
Accessories		
ASD BIT SET HN	1209952	1
BHN 5,5	1209965	1
BHN 8	1209978	1
BHN 10	1209981	1
BHN 13	1209994	1
BF 6,3	1209936	1
TSD-M SAC-BIT ADAPTER	1212600	1



SCREWFOX cordless screwdriver



- Cordless screwdriver with two-speed gearbox, forward/reverse running and 21-stage clutch with drilling stage of up to 600 rpm
- 6.3 mm hexagonal quick connection drill chuck
- Integrated LEDs are used to illuminate the working area
- With optional snap-on protective cap to prevent unintentional torque adjustment
- High torque accuracy through electronic disconnecting coupling
- Ergonomic, non-slip handle design



21 different torque stages

Description

Cordless screwdriver, 3.6 V, incl. rechargeable battery, 1.5 Ah

Cordless screwdriver set, incl. two batteries and charger, 230 V, packaged in a robust aluminum case

Replacement charger, for SF-ASD 21 cordless screwdriver, 230 V

Replacement battery, for SF-ASD 21, Li-ion 3.6 V, 1.5 Ah

Ordering data

Type	Order No.	Pcs. / Pkt.
SF-ASD 21	1212532	1
SF-ASD 21 SET 230V	1212530	1

Accessories

SF-ASD 21/CHARGER 230V	1212535	1
SF-ASD 21/ACCU 1,5 AH	1212533	1





Screw bit, slotted



Screw bit, PH and PZ cross-recessed



Screw bit, plus/minus

Ordering data			Ordering data			Ordering data		
Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
SF-BIT-SL 0,45X2,4-70	1212607	5						
SF-BIT-SL 0,5X3,0-50	1212566	5						
SF-BIT-SL 0,5X3,0-70	1212567	5						
SF-BIT-SL 0,6X3,5-50	1212568	5						
SF-BIT-SL 0,6X3,5-70	1212569	5						
SF-BIT-SL 0,8X4,0-50	1212571	5						
SF-BIT-SL 0,8X4,0-70	1212572	5						
SF-BIT-SL 1,0X4,0-70	1212754	1						
SF-BIT-SL 1,0X5,5-50	1212574	5						
SF-BIT-SL 1,0X5,5-70	1212575	5						
SF-BIT-SL 1,2X6,5-70	1212577	5						
			SF-BIT-PH 1-50	1212579	5			
			SF-BIT-PH 2-50	1212580	5			
			SF-BIT-PH 3-50	1212581	5			
			SF-BIT-PH 1-70	1212582	5			
			SF-BIT-PH 2-70	1212583	5			
			SF-BIT-PH 3-70	1212584	5			
			SF-BIT-PZ 1-50	1212591	5			
			SF-BIT-PZ 2-50	1212592	5			
			SF-BIT-PZ 3-50	1212593	5			
			SF-BIT-PZ 1-70	1212594	5			
			SF-BIT-PZ 2-70	1212595	5			
			SF-BIT-PZ 3-70	1212596	5			
						SF-BIT-PZSL 1-70	1212603	5
						SF-BIT-PZSL 2-70	1212604	5
						SF-BIT-PHSL 1-70	1212479	5
						SF-BIT-PHSL 2-70	1212601	5
SF-BIT-SLS 0,6X3,5-50	1212605	5						
SF-BIT-SLS 0,9X6,5-50	1212606	5						

Hand tools

SCREWFOX tool inserts for cordless screwdriver and bit handle



- Tools for SF-ASD 21 cordless screwdriver, various designs
- The hardened bits are suitable for hard and soft screws
- Optimum edge geometries increase the bearing surface and prevent the screws from being over-tightened



Screw bit, Torx®

		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
Screw bit, Torx®, E6,3-1/4" drive, hardened, suitable for holder according to DIN 3126-F 6,3 / ISO 1173, size: TX 8 x 50 mm				
Size: TX 10 x 50 mm	silver	SF-BIT-TX 8-50	1212570	5
Size: TX 15 x 50 mm	silver	SF-BIT-TX 10-50	1212573	5
Size: TX 20 x 50 mm	silver	SF-BIT-TX 15-50	1212576	5
Size: TX 25 x 50 mm	silver	SF-BIT-TX 20-50	1212578	5
Size: TX 30 x 50 mm	silver	SF-BIT-TX 25-50	1212585	5
		SF-BIT-TX 30-50	1212586	5
Screw bit, hexagonal, E6,3-1/4" drive, hardened, suitable for holder according to DIN 3126-F6,3/ISO 1173				
Size: hex 2 x 50 mm	silver			
Size: hex 2.5 x 50 mm	silver			
Size: hex 3 x 50 mm	silver			
Size: hex 4 x 50 mm	silver			
Size: hex 5 x 50 mm	silver			
Size: hex 6 x 50 mm	silver			
Size: hex 8 x 50 mm	silver			



Screw bit, hex

Ordering data		
Type	Order No.	Pcs. / Pkt.
SF-BIT-HEX 2-50	1212645	5
SF-BIT-HEX 2,5-50	1212646	5
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
SF-BIT-HEX 5-50	1212649	5
SF-BIT-HEX 6-50	1212650	5
SF-BIT-HEX 8-50	1212651	5



Allen screw, wrench size 2 - 10 mm



Allen screw (VDE), wrench size of 5 / 6 / 8 mm



Allen screw, L-shaped, 1.5 - 10 mm



Ordering data		
Type	Order No.	Pcs. / Pkt.
SF-THEX 2-100	1212637	5
SF-THEX 2,5-100	1212638	5
SF-THEX 3-100	1212639	5
SF-THEX 4-150	1212640	5
SF-THEX 5-150	1212641	5
SF-THEX 6-200	1212642	5
SF-THEX 8-200	1212643	5
SF-THEX 10-200	1212644	5

Ordering data		
Type	Order No.	Pcs. / Pkt.
VDE-ISS 5	1203343	1
VDE-ISS 6	1201934	1
VDE-ISS 8	1201947	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
SF-LHEX SET	1212544	1

Hand tools

SCREWFOX preset torque screwdrivers



- TSD ... SAC torque screwdrivers with a range of preset torques from 0.2 Nm to 2.5 Nm
- A wide variety of SAC ... nuts for all kinds of applications
- With the TSD-M... torque screwdrivers, the torque can be custom-set
- The TSD-M... adapters can accommodate the various nuts

Description	Color
Torque screwdriver	
With preset torque of 0.2 Nm and 4 mm hexagonal drive	black
With preset torque of 0.4 Nm and 4 mm hexagonal drive	black
With a preset torque of 0.8 Nm and a 4 mm hexagonal drive	black
With a preset torque of 2.0 Nm and 4 mm hexagonal drive	black
With a preset torque of 2.5 Nm and 4 mm hexagonal drive	black
Torque screwdrivers	
Adjustable from 0.3 - 1.2 Nm	black
Adjustable from 1.2 - 3 Nm	black
Adjustable from 3 - 6 Nm	black
Adapter insert , for torque screwdrivers with adjustable torque, for accommodating SAC nuts for 4 mm hexagonal screwdrivers	
	silver

Nut
For assembling sensor/actuator cables with M8 connectors and for M8 connectors with insulation displacement connection, for 4 mm hexagonal screwdriver
For assembling SACC M8 connectors with longitudinal knurl, excluding those with insulation displacement connection, for 4 mm hexagonal screwdriver
For assembling sensor/actuator cables with M12 connectors and for M12 connectors with insulation displacement connection, for 4 mm hexagonal screwdriver
For assembling SACC M12 connectors, excluding those with insulation displacement connection, for 4 mm hexagonal screwdriver
For mounting M12 connectors with hexagonal stainless steel knurl, wrench size 14, with 4 mm hexagonal drive
For assembling 7/8" connectors, with 4 mm hexagonal drive
For the reliable tightening of the pressure nuts with a wrench size of 13 mm, for 4 mm hexagonal screwdriver
For reliable tightening of the pressure nuts with a wrench size of 24 mm, for 4 mm hexagonal screwdriver



ERC

Ordering data		
Type	Order No.	Pcs. / Pkt.
TSD 02 SAC	1208487	1
TSD 04 SAC	1208429	1
TSD 08 SAC	1212597	1
TSD 20 SAC	1212020	1
TSD 25 SAC	1212315	1
TSD-M 1,2NM	1212224	1
TSD-M 3NM	1212225	1
TSD-M 6NM	1212226	1
TSD-M SAC-BIT ADAPTER	1212600	1

Accessories		
SAC BIT M8-D10	1208461	1
SACC BIT M8-D12	1208474	1
SAC BIT M12-D15	1208432	1
SACC BIT M12-D20	1208445	1
SAC BIT M12-W14	1212513	1
SAC BIT MIN-D25	1212512	1
SAC BIT QUICKON-W13	1212033	1
SAC BIT HOOD-W 24	1212486	1

SCREWFOX universal control cabinet key



1



2



3

– Universal control cabinet key with the following closures:

- 1 = 6 mm, 8 mm square
- 2 = 8 mm triangle
- 3 = 5 mm two-way key bit



Four-way closure

Description

Control cabinet key, metal, for all common types of control cabinet

Ordering data

Type	Order No.	Pcs. / Pkt.
USS 4	1203149	1

SCREWFOX universal control cabinet key



1



2



3



4

– **Universal control cabinet key**, with strong chain and snap hook, for the following closures:

- 1 = 5, 6, 7-8, 9-10 mm square
- 2 = 7, 8 - 9, 10 - 11 mm triangle
- 3 = 3-5 mm two-way key bit
- 4 = 6 mm semicircle



Nine-way closure

Description

Control cabinet key, metal, for all common types of control cabinet

Ordering data

Type	Order No.	Pcs. / Pkt.
SF-CCK 9	1212525	1

Tools - TOOL fox

Hand tools

TESTFOX phasing and voltage tester

The PROFIPOL voltage tester has the following features:

- DC and AC voltage tests in the range between 6 V and 400 V
- Polarity test (+/-) for DC voltage
- Shock-proof housing that is protected against dust and splash water, IP65
- LED display



Single-position voltage tester



Two-position voltage tester

General data	
Voltage range	[V DC]
Voltage range	[V AC]
Description	
Color	
Voltage tester , single-position, for 150 - 250 V, conforms to DIN 57680/6 and VDE 0680/6, can also be used as an actuation tool for spring-cage terminal blocks, VDE insulated, with non-slip grip, size: 0.5 x 3.0 x 70 mm	
Voltage tester	
black	

Technical data		
~ ... ~		
150 ... 250		
Ordering data		
Type	Order No.	Pcs. / Pkt.
SF-VT VDE	1212598	10

Technical data		
6 ... 400		
6 ... 400		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PROFIPOL	1209101	1

TESTFOX voltage and continuity tester



- DC and AC voltage tests in the range from 12 V to 1000 V AC/1000 V DC
- Acoustic and optical continuity test
- Vibration alarm for safe voltage detection
- Shock-proof housing that is protected against dust and splash water, IP65



General data	
Voltage range	[V DC]
Voltage range	[V AC]
Description	
Color	
Voltage tester	
black	

Technical data		
12 ... 1000		
12 ... 1000		
Ordering data		
Type	Order No.	Pcs. / Pkt.
DUSPOL EXPERT	1209091	1

TESTFOX, digital current probe multimeter

- The current probes can be used for voltages of up to 600 V, category III
- They combine the functions of a digital multimeter with those of a current probe
- Contained within a compact and practical housing, so ideal for use in cramped conditions
- All measuring ranges are protected against overload



For AC current



For DC and AC current



General data

Display scope	2000 digits
Accuracy of display	1,0 %
AC voltage measuring range	0.1 V ... 600 V
DC voltage measuring range	0.1 V ... 600 V
AC current measuring range	0.1 A ... 400 A
DC current measuring range	- ... -
Resistance measuring range	0.1 Ω ... 20 MΩ
Continuity test range	Acoustic (20 Ω)
Degree of protection	IP30
Measuring category	CAT III 600 V
Voltage supply	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE 0411

Technical data



Technical data

Display scope	4000 digits
Accuracy of display	0,5 %
AC voltage measuring range	0.1 mV ... 600 V
DC voltage measuring range	0.1 mV ... 600 V
AC current measuring range	10 mA ... 300 A
DC current measuring range	10 mA ... 300 A
Resistance measuring range	0.1 Ω ... 40 MΩ
Continuity test range	Acoustic (50 Ω)
Degree of protection	IP30
Measuring category	CAT III 300 V / CAT II 600 V
Voltage supply	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE 0411

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Current pliers/multimeter	black	TESTFOX CC	1212210	1
Current pliers/multimeter	black			

Ordering data

Type	Order No.	Pcs. / Pkt.
TESTFOX CC-1	1212211	1

TESTFOX digital multimeter



- You are bound to be enthused by the technology of the digital multimeters and impressed by their quality
- The devices are extremely versatile
- Tested and approved according to applicable IEC/EN 61010 standards independently of certification body
- Suitable for measuring AC voltages and resistance as well as testing continuity and diodes
- TESTFOX M-1 also allows you to measure DC and AC currents, capacitance, and frequencies, as well as temperatures within the range of -20°C to +800°C

High-level safety

- Phase voltages can be detected precisely, thanks to the audible and red light signals
- The devices can be used for voltages of up to 600 V category III or 1000 V category II
- They provide professional service technicians and operating engineers with a higher level of protection, thereby ensuring maximum safety during work

Safe cable breakage detection

- Cable breaks and faulty lamps in exposed cables can be traced from the phase infed side right through to the point of interruption



For DC and AC voltages

ERC

General data	
Display scope	2000 digits
Accuracy of display	0.5 %
Volt sensor	yes
AC voltage measuring range	0.1 mV ... 750 V
DC voltage measuring range	0.1 mV ... 1000 V
AC current measuring range	- ... -
DC current measuring range	- ... -
Resistance measuring range	0.1 Ω ... 20 MΩ
Continuity test range	Yes (25 Ω)
Frequency measuring range	- ... -
Capacity measuring range	- ... -
Temperature measuring range	- ... -
Diode test	Yes (1.5 mA)
Degree of protection	IP30
Measuring category	CAT III 600 V / CAT II 1000 V
Voltage supply	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE 0411

Technical data			
Ordering data			
Type	Order No.	Pcs. / Pkt.	
TESTFOX M	1212208	1	

Description	Color
Digital multimeter	black
Digital multimeter	black



For DC and AC voltages/currents



Technical data

2000 digits
0.5 %
yes
0.1 mV ... 750 V
0.1 mV ... 1000 V
1 mA ... 10 A
1 mA ... 10 A
0.1 Ω ... 20 MΩ
Yes (25 Ω)
1 Hz ... 20 MHz
1.00 pF ... 2.00 mF
-20°C ... 800°C
Yes (1.5 mA)
IP30
CAT III 600 V / CAT II 1000 V
2 x micro battery 1.5 V, LR03, AAA
IEC/EN 61010-1, DIN VDE 0411

Ordering data

Type	Order No.	Pcs. / Pkt.
TESTFOX M-1	1212209	1

Tools - TOOL fox

Hand tools

TOOL fox, tool sets for convenient use on site

- Universal tool sets, with cutting, stripping, crimping, and testing tools from the TOOL fox tool range
- Robust and heavy-duty tool bags for long-term use
- With permanently closeable business card pocket
- With various compartments and options for storing tools and materials
- For further sets, visit phoenixcontact.net/products



Tool set in a case



Tool set in a carry case wrap

Description	Ordering data			Type	Ordering data		
	Type	Order No.	Pcs. / Pkt.		Type	Order No.	Pcs. / Pkt.
Tool case , equipped with one of each of the following tools: CRIMPFOX 6S-F WIREFOX 10 WIREFOX-D 40 CUTFOX 18 SZF 1-0,6X3,5 5 m tape measure 50 pcs. JBC 2,5/5 junction box connectors TOOL-KIT STANDARD EMPTY	TOOL-KIT STANDARD	1212422	1				
Tool kit , empty, with elastic straps to hold tools of different sizes in place	TOOL-KIT STANDARD EMPTY	1212423	1				
Tool carry case wrap , equipped with one of each of the following tools: CUTFOX-S VDE CUTFOX 16 VDE UNIFOX-C VDE UNIFOX-P VDE SZS 0,4X2,5 SZS 0,5X3,0 SZS 1,0X4,0 SZS 1,0X6,5 SZK PH0 SZK PH1 SZK PH2 PROFIPOL TOOL-WRAP EMPTY				TOOL-WRAP	1212505	1	
Tool carry-on bag , empty				TOOL-WRAP EMPTY	1212501	1	
Tool belt pouch , equipped with one of each of the following tools: CUTFOX-S VDE CUTFOX 18 WIREFOX-D 13 UNIFOX-CE VDE USS 4 SZS 0,5X3,0 SZS 1,0X4,0 SZS 1,0X5,5 SZK PH1 SZK PH2 Cutting knife 5 m tape measure PROFIPOL TOOL-BELTPOUCH EMPTY							
Tool belt pouch , empty							
Tool bag , equipped with one of each of the following tools: CUTFOX S VDE CUTFOX 18 WIREFOX 10 VDE WIREFOX-D 13 WIREFOX-D 28 CRIMPFOX-M CRIMPFOX-M 10/DIE UNIFOX-CE VDE UNIFOX-P VDE UNIFOX WP SZS 0,4X2,5 SZS 0,5X3,0 SZS 1,0X4,0 SZS 1,0X6,5 SZK PH0 SZK PH1 SZK PH2 PROFIPOL USS 4 Cutting knife 5 m tape measure TOOL CARRIER EMPTY							
Tool bag , empty							
Tool bag , with laptop and document compartments, equipped with one of each of the following tools: CUTFOX 25 VDE CUTFOX-S VDE WIREFOX 10 WIREFOX-D 40 CRIMPFOX-M SET UNIFOX-C VDE UNIFOX-P VDE UNIFOX WP SZS 0,4X2,5 SZS 0,5X3,0 SZS 1,0X4,0 SZS 1,0X6,5 SZK PH0 SZK PH1 SZK PH2 DUSPOL EXPERT USS 4 AI SORTI BOX RD Cutting knife 5 m tape measure TOOL-BAG EMPTY							
Tool bag , with document and laptop compartments, empty							



Tool set in a belt pouch



Tool set in a shoulder bag



Tool set in a bag with laptop and document compartments

Ordering data			Ordering data			Ordering data		
Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
TOOL-BELTPOUCH	1212506	1						
TOOL-BELTPOUCH EMPTY	1212502	1						
			TOOL-CARRIER	1212503	1			
			TOOL-CARRIER EMPTY	1212499	1			
						TOOL-BAG	1212504	1
						TOOL-BAG EMPTY	1212500	1



ERC

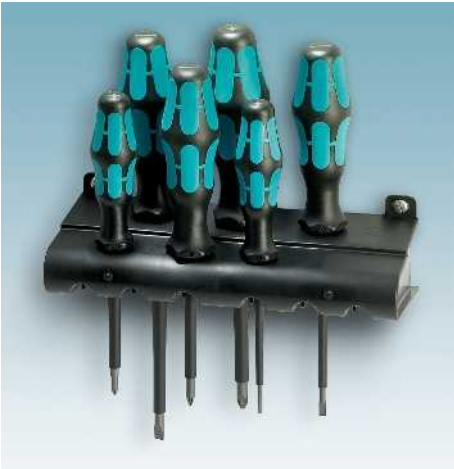
Ordering data		
Type	Order No.	Pcs. / Pkt.
TOOL SET ALLROUND 2	1208843	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
TOOL-SET ALLROUND 3	1208953	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPSET 6	1202072	1
CRIMPSET 25	1202580	1
CRIMPSET 6/25 LEER	1204041	1

Hand tools

TOOL fox, screwdriver set



- The SF-SL ... screwdriver sets are available with a variety of contents
- Wall-mountable screwdriver rack included

Notes:
Pozidriv®/Supadriv®, trademarks of European Ind. Serv. Ltd.
Phillips Recess®, trademark of Phillips Screw Company
Torx®, trademark of Acument Intellectual Properties, LLC, Troy, Mich.,US



Description
Screwdriver set , slotted/Phillips Recess® 6-part, incl. rack, contents: 0.5 x 3.0 x 80; 0.8 x 4.0 x 100; 1.0 x 5.5 x 150; 1.2 x 6.5 x 150, PH 1, PH 2
Screwdriver set , slotted/Pozidriv® cross-recessed, 6-part, incl. rack, contents: 0.5 x 3.0 x 80; 0.8 x 4.0 x 100; 1.0 x 5.5 x 150; 1.2 x 6.5 x 150, PZ 1, PZ 2
Screwdriver set , slotted/Pozidriv® cross-recessed, VDE insulated, 6-part, incl. rack, contents: 0.4 x 2.5 x 80; 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PZ 1, PZ 2
Screwdriver set , slotted/Phillips Recess®, VDE insulated, 6-part, incl. rack, contents: 0.4 x 2.5 x 80; 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH 1, PH 2
Screwdriver set , protective insulation integrated into shaft, bladed/Phillips crosshead/combined profile, Pozidriv® + bladed (plus-minus), insulated according to VDE, 7-piece, including rack, set contains the following products: 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH1 x 80; PH2 x 100; PZ1 x 80; PZ2 x 100
Screwdriver set , Torx® with drill bit, 6-part, incl. rack, contents: TX 8 x 60; TX 10 x 80; TX 15 x 80; TX 20 x 100; TX 25 x 100; TX 30 x 115
Screwdriver set , Torx®, VDE insulated, 6-part, incl. rack, contents: TX 8 x 80; TX 10 x 80; TX 15 x 80; TX 20 x 80; TX 25 x 100; TX 30 x 100

Ordering data		
Type	Order No.	Pcs. / Pkt.
SF-SL/PH SET	1212541	1
SF-SL/PZ SET	1212542	1
SF-SL/PZ SET VDE	1212540	1
SF-SL/PH SET VDE	1212539	1
SF-SL/PH/PZ-SL SET S-VDE	1212701	1
SF-TXH SET	1212538	1
SF-TX SET VDE	1212537	1



TOOL fox, bit set



- Bit set, in compact plastic box, with quick-change bit holder and the following 25 mm long bits: 0.8 x 5.5, 1.0 x 5.5, 1.2 x 6.5, PH1, PH2, PH3, PZ1, PZ2, PZ3
- Clearly arranged storage
- Bits can be accessed quickly, thanks to convenient, one-handed opening mechanism
- Equipped with hardened bits for durability

Description

Bit set, with SF-UBH universal bit holder, 25 mm long slotted/cross-recessed (PZ and PH) bits, 10-part

Battery-powered screwdriver bit set, 1 attachment set each in 5.5 mm, 8 mm, 13 mm, adapter to 1/4"



Ordering data

Type	Order No.	Pcs. / Pkt.
SF-BIT SET	1212545	10
ASD BIT SET HN	1209952	1

TOOL fox, screwdriver set



- Bit screwdriver set, packed in a practical belt pouch
- Equipped with the most common types of screw bit

Description

Bit screwdriver set with quick-action chuck, 89 mm long slotted/cross-recessed (PZ and PH)/hex / Torx® bits, 17-part, in folding belt pouch, contents: PH 1,2,3 x 89; PZ 1,2,3 x 89; SL 1.5 x 5.5 x 89; TX 10-30 x 89; SW 3,4,5,6 x 89

Bit screwdriver set with quick-action chuck, 89 mm long slotted/crosshead/hex/Torx® bits, 17-piece, in folding belt pouch, contents: PH 1, 2, 3 x 89, SL 0.4 x 2.5, 0.6 x 3.5, 0.8 x 3.5, 1.0 x 5.5, 1.2 x 6.5 x 89, TX 10-30, SW 3, 4, 5 x 89



Ordering data

Type	Order No.	Pcs. / Pkt.
SF-M SET	1212543	1
SF-M SET 2	1212756	1

Hand tools

CRIMPFOX pliers, laser marked according to customer specifications



- Customize your crimping tool!
- You can now use robust laser engraving to mark CRIMPFOX pliers
- Individual laser marking prevents your tools from being mixed up

Notes:

Matching accessories can be found in main catalog 5 or the product area on our website at phoenixcontact.net/products.

¹⁾ Tools with customer-specific laser marking can be ordered quickly and easily in the product area on our website at phoenixcontact.net/products.

The advantages of our CRIMPFOX tools:

- Consistently high crimping quality
- Unlockable pressure lock
- Marked die stations for precise processing of the relevant cross sections
- Easy work, thanks to improved force transfer
- Ergonomically designed, non-slip handles

Description

Crimping pliers, for ferrules, according to DIN 46228-1 and -4, five marked die stations, **laser marked according to customer specifications¹⁾**

Lateral entry, 0.25 - 6.0 mm², unlockable pressure lock, trapezoidal crimp

Front insertion, 0.5 - 6 mm², square crimp

Crimping pliers, unlockable pressure lock, lateral entry, oval crimp, **laser marked according to customer specifications¹⁾**

For insulated cable lugs (light green, red), 0.14 - 1 mm², three marked die stations

For insulated cable lugs (red, blue), 0.75 - 2.5 mm², two marked die stations

Crimping pliers, for uninsulated cable lugs, three marked die stations, 0.34 - 2.5 mm², unlockable pressure lock, lateral entry, indent crimp, **laser marked according to customer specifications¹⁾**

Crimping pliers, for uninsulated slip-on sleeves 2.8/4.8/6.3 mm, three marked die stations, B-crimp, 0.1 - 1.5 mm², unlockable pressure lock, lateral entry, **laser marked according to customer specifications¹⁾**

Crimping pliers, for ferrules according to DIN 46228-1 and -4, self-adjusting die, trapezoidal crimp, 0.5 - 6 mm², unlockable pressure lock, **laser marked according to customer specifications¹⁾**

Front insertion

Lateral entry

Crimping pliers, three marked die stations, 0.75 - 6 mm², oval crimp, unlockable pressure lock, lateral entry, **laser marked according to customer specifications¹⁾**

For insulated cable lugs, symmetrical (red, blue, yellow)

For insulated cable lugs, asymmetrical (red, blue, yellow)

Crimping pliers, for ferrules according to DIN 46228-1 and -4, WM crimp, unlockable pressure lock, lateral entry, **laser marked according to customer specifications¹⁾**

Three marked die stations, 10 - 25 mm²

Two marked die stations, 35 - 50 mm²

TOOLS
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FOR YOUTOOLS
FOR YOU

Ordering data			Ordering data			Ordering data		
Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6 CUS	1212767	1						
CRIMPFOX 6S-F CUS	1212769	1						
CRIMPFOX-RCI 1 CUS	1212772	1						
CRIMPFOX-RCI 2,5 CUS	1212773	1						
CRIMPFOX-RC 2,5 CUS	1212777	1						
CRIMPFOX-SC 1,5 CUS	1212779	1						
			CRIMPFOX 6T-F CUS	1212771	1			
			CRIMPFOX 6T CUS	1212770	1			
						CRIMPFOX-RCI 6 CUS	1212774	1
						CRIMPFOX-RCI 6-1 CUS	1212775	1
						CRIMPFOX 25R CUS	1212765	1
						CRIMPFOX 50R CUS	1212766	1

Hand tools

CRIMPFOX and WIREFOX pliers, laser marked according to customer specifications



- Customize your crimping and stripping tool!
- You can now use robust laser engraving to mark CRIMPFOX and WIREFOX pliers
- Individual laser marking prevents your tools from being mixed up

Notes:
Matching accessories can be found in main catalog 5 or the product area on our website at phoenixcontact.net/products.
¹⁾ Tools with customer-specific laser marking can be ordered quickly and easily in the product area on our website at phoenixcontact.net/products.

- The advantages of our WIREFOX tools:
- The special spring mechanism helps you to work precisely and safely
 - Ergonomically designed, non-slip handles
 - The WIREFOX pliers automatically adjust to different insulations and conductor diameters
 - Highly adjustable limit stop for the stripping length
 - Practical integrated wire cutter
 - Easily replaceable blade cassettes for different cross sections and insulation

Description
Crimping pliers , for uninsulated cable lugs, three marked die stations, indent crimp, unlockable pressure lock, lateral entry, laser marked according to customer specifications¹⁾
4 - 10 mm ² 10 - 25 mm ²
Crimping pliers , for uninsulated slip-on sleeves 2.8/4.8/6.3 mm, three marked die stations, 0.5 - 6 mm ² , B-crimp, unlockable pressure lock, lateral entry, laser marked according to customer specifications¹⁾
Crimping pliers , for ferrules according to DIN 46228, unlockable pressure lock, lateral entry, laser marked according to customer specifications¹⁾
Square crimp, 0.14 - 10 mm ² HEX crimp, 0.14 - 6 mm ²
Stripping tool , self-adjusting, easily replaceable blade cassettes, stripping length of up to 18 mm, cutting capacity: up to 1.5 mm ² solid, up to 10 mm ² stranded, laser marked according to customer specifications¹⁾
For cables and conductors from 0.1 - 4 mm ² , specifically also intended for rubber and other kinds of special insulation
For cables and conductors from 1.5 - 6 mm ² , specifically for short-circuit-proof cables and rubber insulation
For standard cables and conductors from 0.02 - 10 mm ²
For standard cables and conductors from 4 - 16 mm ²

TOOLS
FOR YOUTOOLS
FOR YOUTOOLS
FOR YOU

Ordering data			Ordering data			Ordering data		
Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RC 10 CUS	1212776	1						
CRIMPFOX-RC 25 CUS	1212778	1						
CRIMPFOX-SC 6 CUS	1212780	1						
			CRIMPFOX 10S CUS	1212764	1			
			CRIMPFOX 6H CUS	1212768	1			
						WIREFOX 4 CUS	1212762	1
						WIREFOX 6SC CUS	1212763	1
						WIREFOX 10 CUS	1212760	1
						WIREFOX 16 CUS	1212761	1

Tools - TOOL fox

Hand tools

CUS tool sets, equipped with tools according to customer requirements



You can put together your own CUS tool set according to your individual requirements

- Six different bags are available, designed for typical applications
- Products are configured and ordered with web code:

i #0290



Tool case, lockable, with straps

Description

Toolbox, lockable, with adjustable strap, equipped with: cable cutter, diagonal cutter, micro cutter, stripping and sheath stripping tools, crimping tool set, combination, needle-nose, and water pump pliers, VDE bladed and Phillips screwdrivers, control cabinet key, voltage tester, ferrule box, blades, tape measure, continuity tester, marking tool, ring, open-end, and adjustable wrench set, T-handle hexagonal wrench, safety glasses, hammer, 41-piece ratchet socket wrench set, 1/4"

Tool case, empty, lockable, with permanently closeable business card pocket, very comfortable to carry thanks to padded strap, with document compartment

Tool case, equipped with tools according to customer requirements

Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL-CASE	1212629	1
TOOL-CASE EMPTY	1212628	1
TOOL-CASE CUS	1200072	1

CUS tool sets, equipped with tools according to customer requirements

- Products are configured and ordered with web code:

i #0290

TOOLS
FOR YOU



Tool bag, with document and laptop compartments

TOOLS
FOR YOU



Tool bag, with strap

Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL-BAG CUS	1200081	1

Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL-CARRIER CUS	1200082	1

Description

Tool bag, with adjustable straps, with document and laptop compartments, equipped with tools according to customer requirements

Tool bag, with strap, equipped with tools according to customer requirements

CUS tool sets, equipped with tools according to customer requirements



- Individual tool sets, with cutting, stripping, crimping, installation, and testing tools from the TOOL fox tool range
- Rugged and heavy-duty tool bags
- Products are configured and ordered with web code:

i #0290

TOOLS
FOR YOU



Tool belt pouch

Description

Tool belt pouch, with two robust internal pockets, equipped with tools according to customer requirements

Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL-BELTPOUCH CUS	1200084	1

CUS tool sets, equipped with tools according to customer requirements

- Products are configured and ordered with web code:

i #0290

TOOLS
FOR YOU



Tool case

TOOLS
FOR YOU



Wrap-up tool bag

Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL-KIT CUS	1200085	1

Description

Tool case, with elastic straps to hold the tools in place, equipped with tools according to customer requirements

Tool wrap, equipped with tools according to customer requirements

Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL-WRAP CUS	1200083	1

Hand tools

Tool case with customized marking

new



- A business card sized label is available for customization. This can be marked according to customer requirements
- Products are configured and ordered with web code:

 #0290



Description
Tool case , with permanently closable business card pocket, with US EMP (85.6 x 54) marking label marked according to customer requirements

Ordering data		
Type	Order No.	Pcs. / Pkt.
TOOL-CASE EMPTY CUS	8191312	1

Tool bags with customized marking

new

new

- The tool bags impress with their hard-wearing materials and robust construction
- Products are configured and ordered with web code:

 #0290



Description
Tool bag , with permanently closeable business card pocket, with US EMP (85.6 x 54) marking label, marked according to customer requirements
Tool bag , with permanently closeable business card pocket, with US EMP (85.6 x 54) marking label, marked according to customer requirements

Ordering data		
Type	Order No.	Pcs. / Pkt.
TOOL-BAG EMPTY CUS	8191308	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
TOOL-CARRIER EMPTY CUS	8191310	1

Tool belt pouch with customized marking



- The business card pocket can be permanently closed using the plastic rivets supplied as standard
- Products are configured and ordered with web code:

i #0290

new



Description

Tool belt pouch, with permanently closable business card pocket, with US EMP (85.6 x 54) marking label marked according to customer requirements

Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL-BELTPOUCH EMPTY CUS	8191311	1

Tool kit, tool wrap with customized marking

new

new

- No risk of switching tool bags thanks to the clearly printed labels
- Products are configured and ordered with web code:

i #0290



Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL-KIT STANDARD EMPTY CUS	8191307	1

Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL-WRAP EMPTY CUS	8191309	1

Description

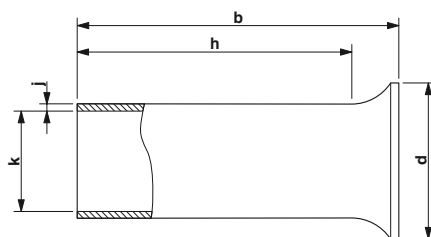
Tool kit, with permanently closeable business card pocket, with US EMP (85.6 x 54) marking label, marked according to customer requirements

Tool wrap, with permanently closeable business card pocket, with marking label US EMP (85.6 x 54) marked according to customer requirements

Hand tools

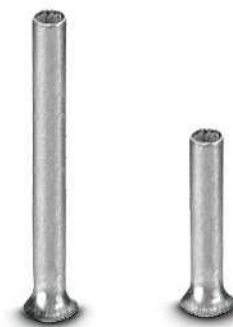
Ferrules without insulating collar,
according to DIN 46228-1

- The ferrules without plastic sleeve are made from soft tin-plated electrolytic copper
- The dimensions of the ferrules conform to DIN 46228-1
- The A 0,25.. can also be used to process conductors with a cross section of 0.14 mm²



Notes:

¹⁾ These ferrules are not included in DIN 46228-4:1990-09.



Conductor cross sections from 0.14 to 35 mm²



General data

Material / coating

Technical data

Technical data

E-CU / tin-plated (galvanic)

Ordering data

Description	Cross section	Color
	[mm ²] AWG	

Dimensions [mm]							
a	b	d	h	i	j	k	

Type	Order No.	Pcs. / Pkt.
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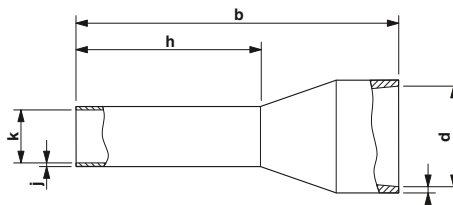
Ferrules, without plastic sleeves, CSA-certified

	0.25 ¹⁾	24	silver	-	5.00	1.70	-	-	0.15	0.80
	0.25 ¹⁾	24	silver	-	7.00	1.70	-	-	0.15	0.80
	0.34 ¹⁾	22	silver	-	7.00	1.80	-	-	0.15	0.90
	0.5	20	silver	-	6.00	2.10	-	-	0.15	1.00
	0.5 ¹⁾	20	silver	-	8.00	2.10	-	-	0.15	1.00
	0.5	20	silver	-	10.00	2.10	-	-	0.15	1.00
	0.75	18	silver	-	6.00	2.30	-	-	0.15	1.20
	0.75 ¹⁾	18	silver	-	8.00	2.30	-	-	0.15	1.20
	0.75	18	silver	-	10.00	2.30	-	-	0.15	1.20
	1	18	silver	-	6.00	2.50	-	-	0.15	1.40
	1 ¹⁾	18	silver	-	8.00	2.50	-	-	0.15	1.40
	1	18	silver	-	10.00	2.50	-	-	0.15	1.40
	1.5	16	silver	-	7.00	2.80	-	-	0.15	1.70
	1.5	16	silver	-	10.00	2.80	-	-	0.15	1.70
	1.5	16	silver	-	12.00	2.80	-	-	0.15	1.70
	1.5	16	silver	-	15.00	2.80	-	-	0.15	1.70
	1.5	16	silver	-	18.00	2.80	-	-	0.15	1.70
	2.5	14	silver	-	7.00	3.40	-	-	0.15	2.20
	2.5	14	silver	-	12.00	3.40	-	-	0.15	2.20
	2.5	14	silver	-	18.00	3.40	-	-	0.15	2.20
	4	12	silver	-	9.00	4.00	-	-	0.20	2.80
	4	12	silver	-	12.00	4.00	-	-	0.20	2.80
	4	12	silver	-	18.00	4.00	-	-	0.20	2.80
	6	10	silver	-	10.00	4.70	-	-	0.20	3.50
	6	10	silver	-	12.00	4.70	-	-	0.20	3.50
	10	8	silver	-	12.00	5.80	-	-	0.20	4.50
	10	8	silver	-	18.00	5.80	-	-	0.20	4.50
	16	6	silver	-	12.00	7.50	-	-	0.20	5.80
	25 ¹⁾	4	silver	-	12.00	9.50	-	-	0.20	7.30
	25	4	silver	-	15.00	9.50	-	-	0.20	7.30
	25	4	silver	-	18.00	9.50	-	-	0.20	7.30
	25 ¹⁾	4	silver	-	20.00	9.50	-	-	0.20	7.30
	25	4	silver	-	40.00	9.50	-	-	0.20	7.30
	35	2	silver	-	18.00	11.00	-	-	0.20	8.30
	35 ¹⁾	2	silver	-	20.00	11.00	-	-	0.20	8.30
	35	2	silver	-	40.00	11.00	-	-	0.20	8.20
	50	1/0	silver	-	40.00	13.00	-	-	0.30	10.30
	70	2/0	silver	-	40.00	15.00	-	-	0.40	12.50
	95	3/0	silver	-	40.00	17.00	-	-	0.40	14.50

A 0,25- 5	3202465	1000
A 0,25- 7	3202478	1000
A 0,34- 7	3009202	1000
A 0,5- 6	3200218	1000
A 0,5- 8	3202481	1000
A 0,5-10	3202494	1000
A 0,75- 6	3200221	1000
A 0,75- 8	3202504	1000
A 0,75-10	3200234	1000
A 1 - 6	3200247	1000
A 1 - 8	3202517	1000
A 1 -10	3200250	1000
A 1,5- 7	3200263	1000
A 1,5-10	3200276	1000
A 1,5-12	3202588	1000
A 1,5-15	3202591	1000
A 1,5-18	3202601	1000
A 2,5- 7	3200289	1000
A 2,5-12	3200292	1000
A 2,5-18	3202821	1000
A 4 - 9	3200302	1000
A 4 -12	3200315	1000
A 4 -18	3202834	1000
A 6 -10	3202520	500
A 6 -12	3200328	500
A 10 -12	3200331	500
A 10 -18	3200344	500
A 16 -12	3200425	100
A 25 -12	3200357	100
A 25 -15	3200360	100
A 25 -18	3200373	100
A 25 -20	3200386	100
A 25 -40	3241238	100
A 35 -18	3200399	100
A 35 -20	3200409	100
A 35 -40	3241239	100
A 50 -40	3241240	100
A 70 -40	3241241	100
A 95 -40	3241242	100

Ferrules with insulating collar, according to DIN 46228-4

- The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper
- The insulation reliability of close connections is increased and the splicing of wires is prevented
- The Al 0,25.. can also be used to process conductors with a cross section of 0.14 mm²



Notes:

¹⁾ These ferrules are not included in DIN 46228-4:1990-09.



Conductor cross sections from 0.14 to 120 mm²



General data

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

Technical data

Technical data

E-CU / tin-plated (galvanic)
polypropylene
105°C / 120°C

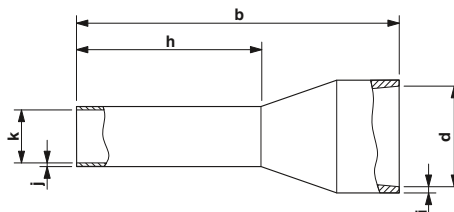
Ordering data

Description	Cross section		Color	Dimensions [mm]							Type	Order No.	Pcs. / Pkt.
	[mm²]	AWG		a	b	d	h	i	j	k			
Ferrules, with plastic sleeve, color range as per DIN 46228-4: 1990-09, CSA-certified													
	0.25¹)	22	yellow	-	10.50	2.00	6.00	0.25	0.15	0.80	AI 0,25- 6 YE	3203024	100
	0.25¹)	22	yellow	-	12.50	2.00	8.00	0.25	0.15	0.80	AI 0,25- 8 YE	3203037	100
	0.5	20	white	-	12.00	2.50	6.00	0.25	0.15	1.10	AI 0,5 - 6 WH	3200687	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	AI 0,5 - 8 WH	3200014	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	AI 0,5 - 8 WH -1000	3200881	1000
	0.5	20	white	-	16.00	2.50	10.00	0.25	0.15	1.10	AI 0,5 -10 WH	3201275	100
	0.5¹)	20	white	-	18.00	2.50	12.00	0.25	0.15	1.10	AI 0,5 -12 WH	3200506	100
	0.75	18	gray	-	12.00	2.80	6.00	0.25	0.15	1.30	AI 0,75- 6 GY	3200690	100
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	AI 0,75- 8 GY	3200519	100
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	AI 0,75- 8 GY -1000	3200894	1000
	0.75	18	gray	-	16.00	2.80	10.00	0.25	0.15	1.30	AI 0,75-10 GY	3201288	100
	0.75	18	gray	-	18.00	2.80	12.00	0.25	0.15	1.30	AI 0,75-12 GY	3200849	100
	1	18	red	-	12.00	3.00	6.00	0.30	0.15	1.50	AI 1 - 6 RD	3200742	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	AI 1 - 8 RD	3200030	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	AI 1 - 8 RD -1000	3200904	1000
	1	18	red	-	16.00	3.00	10.00	0.30	0.15	1.50	AI 1 -10 RD	3200182	100
	1	18	red	-	18.00	3.00	12.00	0.30	0.15	1.50	AI 1 -12 RD	3200674	100
	1.5¹)	16	black	-	12.00	3.40	6.00	0.30	0.15	1.80	AI 1,5 - 6 BK	3200755	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	AI 1,5 - 8 BK	3200043	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	AI 1,5 - 8 BK -1000	3200917	1000
	1.5	16	black	-	16.00	3.40	10.00	0.30	0.15	1.80	AI 1,5 -10 BK	3200195	100
	1.5	16	black	-	18.00	3.40	12.00	0.30	0.15	1.80	AI 1,5 -12 BK	3201482	100
	1.5	16	black	-	24.00	3.40	18.00	0.30	0.15	1.80	AI 1,5 -18 BK	3200056	100
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	AI 2,5 - 8 BU	3200522	100
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	AI 2,5 - 8 BU -1000	3200920	1000
	2.5¹)	14	blue	-	17.00	4.20	10.00	0.30	0.15	2.30	AI 2,5 -10 BU	3202533	100
	2.5	14	blue	-	18.00	4.20	12.00	0.30	0.15	2.30	AI 2,5 -12 BU	3200962	100
	2.5	14	blue	-	24.00	4.20	18.00	0.30	0.15	2.30	AI 2,5 -18 BU	3200580	100
	4	12	gray	-	17.00	4.80	10.00	0.30	0.20	2.80	AI 4 -10 GY	3200535	100
	4	12	gray	-	20.00	4.80	12.00	0.30	0.20	2.80	AI 4 -12 GY	3200959	100
	4	12	gray	-	26.00	4.80	18.00	0.30	0.20	2.80	AI 4 -18 GY	3200593	100
	6	10	yellow	-	20.00	6.20	12.00	0.30	0.20	3.50	AI 6 -12 YE	3200548	100
	6	10	yellow	-	26.00	6.20	18.00	0.30	0.20	3.50	AI 6 -18 YE	3200603	100
	10	8	red	-	22.00	7.50	12.00	0.30	0.20	4.60	AI 10 -12 RD	3200551	100
	10	8	red	-	28.00	7.50	18.00	0.30	0.20	4.60	AI 10 -18 RD	3200616	100
	16	6	blue	-	24.00	8.80	12.00	0.40	0.20	5.80	AI 16 -12 BU	3200564	100
	16	6	blue	-	29.00	8.80	18.00	0.40	0.20	5.80	AI 16 -18 BU	3200629	100
	25	4	yellow	-	30.00	11.00	16.00	0.50	0.20	7.30	AI 25 -16 YE	3200577	50
	25	4	yellow	-	32.00	11.00	18.00	0.50	0.20	7.30	AI 25 -18 YE	3201505	50
	25	4	yellow	-	36.00	11.00	22.00	0.50	0.20	7.30	AI 25 -22 YE	3200700	50
	35	2	red	-	30.00	12.50	16.00	0.50	0.20	8.30	AI 35 -16 RD	3200441	50
	35	2	red	-	32.00	12.50	18.00	0.50	0.20	8.30	AI 35 -18 RD	3201495	50
	35	2	red	-	39.00	12.50	25.00	0.50	0.20	8.30	AI 35 -25 RD	3200713	50
	50	1/0	blue	-	36.00	15.00	20.00	0.60	0.35	10.30	AI 50 -20 BU	3200454	50
	50	1/0	blue	-	40.00	15.00	25.00	0.60	0.35	10.30	AI 50 -25 BU	3200726	25
	70¹)	2	yellow	-	37.00	16.00	20.00	0.60	0.35	12.70	AI 70 -20 YE	3201848	25
	95¹)	4	red	-	44.00	18.00	25.00	0.60	0.35	14.70	AI 95 -25 RD	3201853	25
	120¹)	5	blue	-	48.00	21.00	27.00	0.70	0.45	16.70	AI120 -27 BU	3201822	25

Hand tools

Ferrules with insulating collar with color code in acc. with NF C 63-023

- In terms of dimensions, these ferrules conform to DIN 46228-4: 1990-09
- The color code of the plastic insulating collar is based on the French standard NF C 63-023: 1994-02
- The metal sleeves are made from soft tin-plated electrolytic copper



Notes:

¹⁾ These ferrules are not included in DIN 46228-4:1990-09.



Conductor cross sections from 0.5 to 50 mm²



General data

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

Technical data

Technical data

E-CU / tin-plated (galvanic)
polypropylene
105°C / 120°C

Ordering data

Description Cross section [mm²] AWG Color

Ferrules, with plastic sleeve, color code as per NF C 63-023: 1994-02, CSA-certified

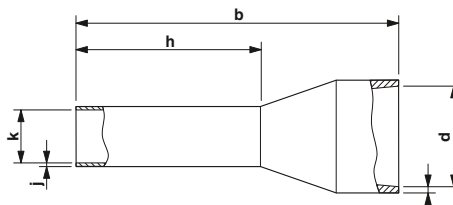
Dimensions [mm]
a b d h i j k

Type Order No. Pcs. / Pkt.

	0.5	20	white	-	12.00	2.50	6.00	0.25	0.15	1.10	AI 0,5 - 6 WH	3200687	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	AI 0,5 - 8 WH	3200014	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	AI 0,5 - 8 WH -1000	3200881	1000
	0.5	20	white	-	16.00	2.50	10.00	0.25	0.15	1.10	AI 0,5 -10 WH	3201275	100
	0.5 ¹⁾	20	white	-	18.00	2.50	12.00	0.25	0.15	1.10	AI 0,5 -12 WH	3200506	100
	0.75	18	blue	-	14.00	2.80	8.00	0.25	0.15	1.30	AI 0,75- 8 BU	3200027	100
	1	18	red	-	12.00	3.00	6.00	0.30	0.15	1.50	AI 1 - 6 RD	3200742	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	AI 1 - 8 RD	3200030	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	AI 1 - 8 RD -1000	3200904	1000
	1	18	red	-	16.00	3.00	10.00	0.30	0.15	1.50	AI 1 -10 RD	3200182	100
	1	18	red	-	18.00	3.00	12.00	0.30	0.15	1.50	AI 1 -12 RD	3200674	100
	1.5 ¹⁾	16	black	-	12.00	3.40	6.00	0.30	0.15	1.80	AI 1,5 - 6 BK	3200755	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	AI 1,5 - 8 BK	3200043	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	AI 1,5 - 8 BK -1000	3200917	1000
	1.5	16	black	-	16.00	3.40	10.00	0.30	0.15	1.80	AI 1,5 -10 BK	3200195	100
	1.5	16	black	-	18.00	3.40	12.00	0.30	0.15	1.80	AI 1,5 -12 BK	3201482	100
	1.5	16	black	-	24.00	3.40	18.00	0.30	0.15	1.80	AI 1,5 -18 BK	3200056	100
	2.5	14	gray	-	14.00	4.20	8.00	0.30	0.15	2.30	AI 2,5 - 8 GY	3200069	100
	2.5	14	gray	-	18.00	4.20	12.00	0.30	0.15	2.30	AI 2,5 -12 GY	3200205	100
	2.5	14	gray	-	24.00	4.20	18.00	0.30	0.15	2.30	AI 2,5 -18 GY	3200072	100
	4	12	orange	-	17.00	4.80	10.00	0.30	0.20	2.80	AI 4 -10 OG	3200085	100
	4	12	orange	-	20.00	4.80	12.00	0.30	0.20	2.80	AI 4 -12 OG	3200438	100
	4	12	orange	-	26.00	4.80	18.00	0.30	0.20	2.80	AI 4 -18 OG	3200098	100
	6	10	green	-	20.00	6.20	12.00	0.30	0.20	3.50	AI 6 -12 GN	3200108	100
	6	10	green	-	26.00	6.20	18.00	0.30	0.20	3.50	AI 6 -18 GN	3200111	100
	10	8	brown	-	22.00	7.50	12.00	0.30	0.20	4.60	AI 10 -12 BN	3200124	100
	10	8	brown	-	28.00	7.50	18.00	0.30	0.20	4.60	AI 10 -18 BN	3200137	100
	16	6	ivory	-	24.00	8.80	12.00	0.40	0.20	5.80	AI 16 -12 IV	3201181	100
	25	4	black	-	30.00	11.00	16.00	0.50	0.20	7.30	AI 25 -16 BK	3200412	50
	25	4	black	-	36.00	11.00	22.00	0.50	0.20	7.30	AI 25 -22 BK	3200739	50
	35	2	red	-	30.00	12.50	16.00	0.50	0.20	8.30	AI 35 -16 RD	3200441	50
	35	2	red	-	39.00	12.50	25.00	0.50	0.20	8.30	AI 35 -25 RD	3200713	50
	50	1/0	blue	-	36.00	15.00	20.00	0.60	0.35	10.30	AI 50 -20 BU	3200454	50
	50	1/0	blue	-	40.00	15.00	25.00	0.60	0.35	10.30	AI 50 -25 BU	3200726	25

Ferrules with insulating collar in special colors

- The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper
- In terms of dimensions, they conform to DIN 46228-4: 1990-09



Notes:

1) These ferrules are not included in DIN 46228-4:1990-09.



Conductor cross sections
from 0.14 to 120 mm²



General data

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

Technical data

Technical data

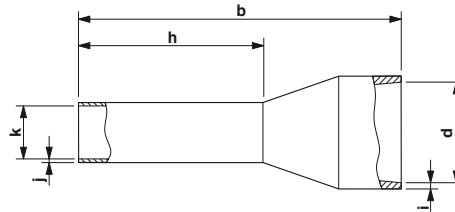
E-CU / tin-plated (galvanic)
polypropylene
105°C / 120°C

Ordering data

Description	Cross section		Color	Dimensions [mm]								Type	Order No.	Pcs. / Pkt.
	[mm ²]	AWG		a	b	d	h	i	j	k				
	0.14	24	gray	-	12.50	2.00	8.00	0.25	0.15	0.80		AI 0,14- 8 GY -1000	3203011	1000
	0.25 ¹⁾	22	blue	-	10.50	2.00	6.00	0.25	0.15	0.80		AI 0,25- 6 BU	3203040	100
	0.25 ¹⁾	22	blue	-	16.50	2.00	12.00	0.25	0.15	0.80		AI 0,25-12 BU	3200632	100
	0.34 ¹⁾	22	turquoise	-	10.50	2.00	6.00	0.25	0.15	0.80		AI 0,34- 6 TQ	3203053	100
	0.34 ¹⁾	22	turquoise	-	12.50	2.00	8.00	0.25	0.15	0.80		AI 0,34- 8 TQ	3203066	100
	0.34 ¹⁾	22	turquoise	-	16.50	2.00	12.00	0.25	0.15	0.80		AI 0,34-12 TQ	3200645	100
	0.5	20	orange	-	12.00	2.50	6.00	0.25	0.15	1.10		AI 0,5 - 6 OG	3201301	100
	0.5	20	orange	-	14.00	2.50	8.00	0.25	0.15	1.10		AI 0,5 - 8 OG	3201123	100
	0.5	20	orange	-	14.00	2.50	10.00	0.25	0.15	1.10		AI 0,5 -10 OG	3241126	500
	0.75	18	white	-	12.00	2.80	6.00	0.25	0.15	1.30		AI 0,75- 6 WH	3201314	100
	0.75	18	white	-	14.00	2.80	8.00	0.25	0.15	1.30		AI 0,75- 8 WH	3201110	100
	1	18	yellow	-	12.00	3.00	6.00	0.30	0.15	1.50		AI 1 - 6 YE	3201327	100
	1	18	yellow	-	14.00	3.00	8.00	0.30	0.15	1.50		AI 1 - 8 YE	3201097	100
	1.5	16	red	-	14.00	3.40	8.00	0.30	0.15	1.80		AI 1,5 - 8 RD	3201136	100
	1.5	16	red	-	14.00	3.40	18.00	0.30	0.15	1.80		AI 1,5 -18 RD	3241125	500
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30		AI 2,5 - 8 BU	3200522	100
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30		AI 2,5 - 8 BU -1000	3200920	1000
	2.5	14	blue	-	18.00	4.20	12.00	0.30	0.15	2.30		AI 2,5 -12 BU	3200962	100
	2.5	14	blue	-	24.00	4.20	18.00	0.30	0.15	2.30		AI 2,5 -18 BU	3200580	100
	4	12	gray	-	17.00	4.80	10.00	0.30	0.20	2.80		AI 4 -10 GY	3200535	100
	4	12	gray	-	20.00	4.80	12.00	0.30	0.20	2.80		AI 4 -12 GY	3200959	100
	4	12	gray	-	26.00	4.80	18.00	0.30	0.20	2.80		AI 4 -18 GY	3200593	100
	6	10	black	-	20.00	6.20	12.00	0.30	0.20	3.50		AI 6 -12 BK	3201107	100
	10	8	ivory	-	22.00	7.50	12.00	0.30	0.20	4.60		AI 10 -12 IV	3201068	100
	16	6	green	-	24.00	8.80	12.00	0.40	0.20	5.80		AI 16 -12 GN	3201152	100
	16	6	green	-	28.00	8.80	18.00	0.40	0.20	5.80		AI 16 -18 GN	3201330	100
	25	4	brown	-	30.00	11.00	16.00	0.50	0.20	7.30		AI 25 -16 BN	3201084	50
	35	2	beige	-	30.00	12.50	16.00	0.50	0.20	8.30		AI 35 -16 BE	3201071	50
	50	1/0	olive	-	36.00	15.00	20.00	0.60	0.35	10.30		AI 50 -20 OL	3201178	50
	95 ¹⁾	4	red	-	44.00	18.00	25.00	0.60	0.35	14.70		AI 95 -25 RD	3201853	25
	120 ¹⁾	5	blue	-	48.00	21.00	27.00	0.70	0.45	16.70		AI120 -27 BU	3201822	25

Ferrules for special applications

- These ferrules enable practical crimping of conductors with increased insulation
- Due to the increased diameter of the insulating collar, this type of ferrule is specifically used with AWG cables



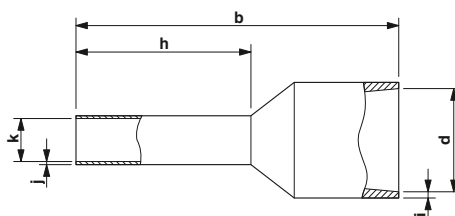
Conductor cross sections from 0.5 to 1.5 mm²



General data				Technical data							Technical data		
Material / coating											E-CU / tin-plated (galvanic)		
Plastic sleeve material											polypropylene		
Long/short-term temperature											105°C / 120°C		
Description				Dimensions [mm]							Ordering data		
				a	b	d	h	i	j	k	Type	Order No.	Pcs. / Pkt.
Ferrules, with plastic sleeves, CSA-certified													
	0.5	20	white	-	13.50	3.00	8.00	0.25	0.15	1.10	AI 0,5 - 8 WH-GB	1208966	500
	0.5	20	white	-	15.50	3.00	10.00	0.25	0.15	1.10	AI 0,5-10 WH-GB	3203150	100
	0.75	18	gray	-	14.00	3.40	8.00	0.25	0.15	1.30	AI 0,75- 8 GY-GB	1208979	500
	0.75	18	gray	-	16.00	3.40	10.00	0.25	0.15	1.30	AI 0,75-10 GY-GB	3203163	100
	1	18	red	-	14.00	3.40	8.00	0.30	0.15	1.50	AI 1 - 8 RD-GB	1208982	500
	1	18	red	-	16.00	3.40	10.00	0.30	0.15	1.50	AI 1 -10 RD-GB-1000	1208869	1000
	1.5	16	black	-	14.00	3.70	8.00	0.30	0.15	1.80	AI 1,5 - 8 BK-GB-1000	3202892	1000
	1.5	16	black	-	16.00	3.70	10.00	0.30	0.15	1.80	AI 1,5 -10 BK-GB-1000	1208872	1000

Ferrules for special applications

- Suitable for conductors with thicker insulation, such as short-circuit-proof conductors

Conductor cross sections from 1.5 to 16 mm²

General data

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

Technical data

Technical data

E-CU / tin-plated (galvanic)
polypropylene
105°C / 120°C

Ordering data

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

Ferrules, with plastic sleeve, color range as per **DIN 46228-4: 1990-09**, CSA-certified

	1.5	16	black
	1.5	16	black
	2.5	14	blue
	2.5	14	blue
	4	12	gray
	6	10	yellow
	10	8	red
	16	6	blue

Dimensions [mm]							
a	b	d	h	i	j	k	

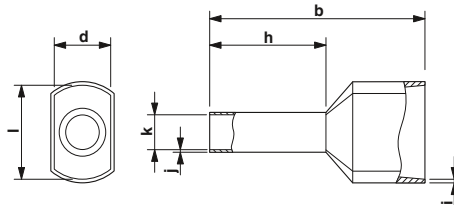
-	17.50	7.00	8.00	0.30	0.15	1.80	
-	19.50	7.00	10.00	0.30	0.15	1.80	
-	17.50	7.90	8.00	0.30	0.15	2.30	
-	21.50	7.90	12.00	0.30	0.15	2.30	
-	19.50	7.90	10.00	0.30	0.20	2.90	
-	23.00	8.70	12.00	0.30	0.20	3.60	
-	24.00	10.20	12.00	0.30	0.20	4.60	
-	25.50	12.50	12.00	0.40	0.20	6.00	

Type	Order No.	Pcs. / Pkt.
AI-XL 1,5- 8 BK	3201916	100
AI-XL 1,5-10 BK	3201974	100
AI-XL 2,5- 8 BU	3201929	100
AI-XL 2,5-12 BU	3201987	100
AI-XL 4 -10 GY	3201932	100
AI-XL 6 -12 YE	3201945	100
AI-XL 10 -12 RD	3201958	100
AI-XL 16 -12 BU	3201961	100

Hand tools

Ferrules for special applications

- The TWIN ferrules provide a practical way of crimping two conductors in one ferrule
- These special ferrules allow chain bridges to be set up with ease
- Different versions of the individual TWIN ferrules can be selected for specific applications



Conductor cross sections
from 2 x 0.5 to 2 x 16 mm²

® EAC

General data

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

Technical data

Technical data

E-CU / tin-plated (galvanic)
polypropylene
105°C / 120°C

Ordering data

Description Cross section [mm²] AWG Color

Ferrules, with plastic sleeve, color range as per DIN 46228-4: 1990-09, CSA-certified

2 x 0.5	2 x 20	white
2 x 0.75	2 x 18	gray
2 x 0.75	2 x 18	gray

2 x 1	2 x 18	red
2 x 1	2 x 18	red
2 x 1	2 x 18	red

2 x 1.5	2 x 16	black
2 x 1.5	2 x 16	black
2 x 1.5	2 x 16	black

2 x 2.5	2 x 14	blue
2 x 2.5	2 x 14	blue

2 x 4	2 x 12	gray
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2 x 6	2 x 10	yellow
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2 x 10	2 x 8	red
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2 x 16	2 x 6	blue
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Ferrules, with plastic sleeve, color range according to NFC 63-023, CSA-certified

2 x 0.75	18	blue
2 x 2.5	14	gray

Dimensions [mm]

b d h i j k l

15.00	2.50	8.00	0.25	0.15	1.50	-
15.00	2.80	8.00	0.25	0.15	1.80	-
17.00	2.80	10.00	0.25	0.15	1.80	-

15.00	3.40	8.00	0.30	0.15	2.05	-
17.00	3.40	10.00	0.30	0.15	2.05	-
19.00	3.40	12.00	0.30	0.15	2.05	-

16.00	3.60	8.00	0.30	0.15	2.30	-
18.00	3.60	10.00	0.30	0.15	2.30	-
20.00	3.60	12.00	0.30	0.15	2.30	-

18.50	4.20	10.00	0.30	0.20	2.90	-
21.50	4.20	13.00	0.30	0.20	2.90	-

23.00	4.90	12.00	0.30	0.20	3.80	-
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25.00	5.90	14.00	0.40	0.20	4.90	-
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26.00	7.20	14.00	0.40	0.20	6.50	-
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31.00	8.80	16.00	0.50	0.20	8.50	-
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15.00	2.80	8.00	0.25	0.15	1.80	-
18.50	4.20	10.00	0.30	0.20	2.90	-

Type Order No. Pcs. / Pkt.

AI-TWIN 2X 0,5 - 8 WH 3200933 100

AI-TWIN 2X 0,75- 8 GY 3200807 100

AI-TWIN 2X 0,75-10 GY 3200975 100

AI-TWIN 2X 1 - 8 RD 3200810 100

AI-TWIN 2X 1 -10 RD 3200988 100

AI-TWIN 2X1-12 RD 3240679 100

AI-TWIN 2X 1,5 - 8 BK 3200823 100

AI-TWIN 2X 1,5 -10 BK 3201534 100

AI-TWIN 2X 1,5 -12 BK 3200991 100

AI-TWIN 2X 2,5 -10 BU 3200836 100

AI-TWIN 2X 2,5 -13 BU 3200878 100

AI-TWIN 2X 4 -12 GY 3201000 100

AI-TWIN 2X 6 -14 YE 3201013 100

AI-TWIN 2X10 -14 RD 3201026 100

AI-TWIN 2X16 -16 BU 3202847 50

AI-TWIN 2X0,75-8 BU 3240668 100

AI-TWIN 2X2,5-10 GY 3240669 100

Ferrules with plastic sleeve, taped, supplied on large coils

- Ferrules in tape format for automatic processing
- The ferrules are supplied on large coils, each containing a quantity of up to 3000



Conductor cross section of 0.5 - 2.5 mm²



General data

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

Description	Cross section		Color
	[mm²]	AWG	
Taped ferrules, with plastic sleeve, large coils for automatic processing, color range acc. to DIN 46228-4: 1990-09, CSA certified			
	0.5	20	white
	0.75	18	gray
	1	18	red
	1.5	16	black
	2.5	14	blue

Dimensions [mm]							
a	b	d	h	i	j	k	
-	14.00	2.50	8.00	0.25	0.15	1.10	
-	14.00	2.80	8.00	0.25	0.15	1.30	
-	14.00	3.00	8.00	0.30	0.15	1.50	
-	14.00	3.40	8.00	0.30	0.15	1.80	
-	14.00	4.20	8.00	0.30	0.15	2.30	

Technical data

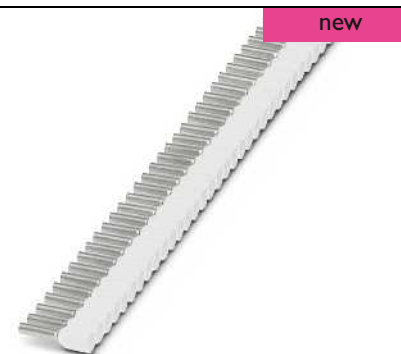
E-CU / tin-plated (galvanic)
polypropylene
105°C / 120°C

Ordering data

Type	Order No.	Pcs. / Pkt.
AI 0,5-8 WH-B 3000	3240663	3000
AI 0,75-8 GY-B 3000	3240664	3000
AI 1-8 RD-B 3000	3240665	3000
AI 1,5-8 BK-B 2500	3240666	2500
AI 2,5-8 BU-B 1500	3240667	1500

Ferrules with plastic collar in strip form

- Suitable for processing with the CRIMPFOX 4 IN 1
- The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper
- In terms of dimensions, they conform to DIN 46228-4: 1990-09



Conductor cross section of 0.5 - 2.5 mm²

General data

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

Description	Cross section		Color
	[mm²]	AWG	
Taped ferrules, 0.5 mm², sleeve length: 8 mm, with plastic collar, according to DIN 46228-4, white, for processing with the CRIMPFOX 4 IN 1, 10 strips each with 50 sleeves per strip	0.5	20	white
	0.75	18	gray
	1	18	red
	1.5	16	black
10 strips each with 40 sleeves per strip	2.5	14	blue

Dimensions [mm]							
a	b	d	h	i	j	k	
-	14.00	2.50	8.00	0.25	0.15	1.10	
-	14.00	2.80	8.00	0.25	0.15	1.30	
-	14.00	3.00	8.00	0.30	0.15	1.50	
-	14.00	3.40	8.00	0.30	0.15	1.80	
-	14.00	4.20	8.00	0.30	0.15	2.30	

Technical data

E-CU / tin-plated (galvanic)
polypropylene
105°C / 120°C

Ordering data

Type	Order No.	Pcs. / Pkt.
AI 0,5-8 WH S1	1200104	500
AI 0,75-8 GY S1	1200105	500
AI 1,0-8 RD S1	1200106	500
AI 1,5-8 BK S1	1200107	500
AI 2,5-8 BU S1	1200108	400

Assortment boxes containing ferrules



- The practical assortment boxes are designed to keep your workshop tidy
- Color coding and the transparent cover facilitate fast access to the required ferrules
- Using the integrated euro-clip, they can be hung up on perforated board walls, for example, to save space



Description	Color
Sorti-box , equipped with ferrules in accordance with DIN 46228-4, CSA-certified 500 pcs. each of AI 0,5-8 WH, AI 2,5-8 BU, 100 pcs. each of AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK	
Sorti-box , equipped with ferrules in accordance with DIN 46228-4, CSA-certified 50 pcs. of AI 4-10 GY, 20 pcs. each of AI 6-12 YE, AI 10-12 RD, 10 pcs. of AI 16-12 BU	red
Sorti-box , equipped with TWIN ferrules in accordance with DIN 46228-4, CSA-certified 500 pcs. each of AI-TWIN 2x0,5-8 WH, AI-TWIN 2x0,75-8 GY, AI-TWIN 2x1-8 RD, AI-TWIN 2x1,5-8 BK 25 pcs. of AI-TWIN 2x2,5-10 BU	anthracite
Sorti-box , equipped with TWIN ferrules in accordance with DIN 46228-4, CSA-certified 20 pcs. of AI-TWIN 2x4-12 GY, 10 pcs. each of AI-TWIN 2x6-14 YE, AI-TWIN 2x10-14 RD	blue
Assortment box , empty, with five compartments	gray
	light gray

Ordering data

Type	Order No.	Pcs. / Pkt.
AI SORTI BOX RD	3202960	1
AI SORTI BOX ANT	3202973	1
AI-TWIN SORTI BOX BU	3202986	1
AI-TWIN SORTI BOX GY	3202999	1
AI SORTI BOX-E LGY	3203008	10

Ferrule set with tool

- Stripping and crimping set with a selection of CSA/CSA-certified ferrules



ERC

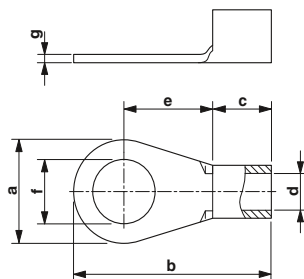
Description
Range box , made of metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified 500 pieces each of Al 0,25-6 YE, Al 0,34-6 TQ, Al 0,5-8 WH, Al 0,75-8 GY, Al 1-8 RD, Al 1,5-8 BK, 300 pieces of Al 2,5-8 BU, 200 pieces of Al 4-10 GY, 100 pieces of Al 6-12 YE as well as stripping tool for wires and conductors of up to 6 mm ² Crimp pliers for ferrules in accordance with DIN 46228, Part 1+4, 0,5 - 6 mm ² , front insertion, trapezoidal crimp
Range box , made of metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified 300 pieces of Al 10-12 RD, 200 pieces of Al 16-12 BU, 100 pieces of Al 25-16 YE as well as stripping tool, for stripping wires of 4,5 - 40 mm, Crimp pliers for ferrules in accordance with DIN 46228, Part 1+4, 10 - 25 mm ² , lateral insertion, WM crimp
Assortment box , metal, no components mounted

Ordering data		
Type	Order No.	Pcs. / Pkt.
CRIMPSET 6	1202072	1
CRIMPSET 25	1202580	1
CRIMPSET 6/25 LEER	1204041	1

Hand tools

Ring cable lugs, non-insulated

- The ring cable lugs without plastic sleeve are made from high-quality tin-plated electrolytic copper for maximum protection against corrosion
- The hard-soldered press zone enables maximum conductor extraction values to be achieved
- The CRIMPFOX-RC... tools from our CRIMPFOX range of crimping pliers are available for optimum crimping

Conductor cross sections from 0.5 to 240 mm²

ERC

General data

Material / coating

Temperature range

[°C]

Technical data

Technical data

Copper / Tin-plated

... 110

Ordering data

Description	Cross section	Color
	[mm ²] AWG	

Ring cable lug, non-insulated, as per DIN 46234

Dimensions [mm]						
a	b	c	d	e	f	g

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

2.5 mm ²	0.5 - 1	20 - 18	silver	6.00	14.00	5.00	1.60	6.00	2.80	0.80
	0.5 - 1	20 - 18	silver	6.00	14.00	5.00	1.60	6.00	3.20	0.80
	0.5 - 1	20 - 18	silver	6.00	14.00	5.00	1.60	6.00	3.70	0.80
	0.5 - 1	20 - 18	silver	8.00	16.00	5.00	1.60	7.00	4.30	0.80
	0.5 - 1	20 - 18	silver	10.00	18.00	5.00	1.60	8.00	5.30	0.80
	0.5 - 1	20 - 18	silver	10.00	18.00	5.00	1.60	8.00	6.50	0.80
	0.5 - 1	20 - 18	silver	11.60	22.00	5.00	1.60	12.00	8.40	0.80
	1 - 2.5	18 - 14	silver	6.00	14.00	5.00	2.30	6.00	3.20	0.80
	1 - 2.5	18 - 14	silver	6.00	14.00	5.00	2.30	6.00	3.70	0.80
	1 - 2.5	18 - 14	silver	8.00	16.00	5.00	2.30	7.00	4.30	0.80
2.6 - 6	1 - 2.5	18 - 14	silver	10.00	19.00	5.00	2.30	9.00	5.30	0.80
	1 - 2.5	18 - 14	silver	11.00	21.50	5.00	2.30	11.00	6.50	0.80
	1 - 2.5	18 - 14	silver	14.00	24.00	5.00	2.30	12.00	8.40	0.80
	1 - 2.5	18 - 14	silver	14.00	25.40	5.00	2.30	12.00	10.50	0.80
	2.6 - 6	12 - 10	silver	8.00	17.50	6.00	3.60	8.00	4.30	1.00
	2.6 - 6	12 - 10	silver	10.00	20.00	6.00	3.60	9.00	5.30	1.00
	2.6 - 6	12 - 10	silver	11.00	22.00	6.00	3.60	10.00	6.50	1.00
	2.6 - 6	12 - 10	silver	14.00	26.00	6.00	3.60	13.00	8.40	1.00
	2.6 - 6	12 - 10	silver	18.00	30.00	6.00	3.60	15.00	10.50	1.00
	2.6 - 6	12 - 10	silver	18.00	35.50	6.00	3.60	15.00	13.00	1.00
- 10	- 10	- 8	silver	10.00	21.00	8.00	4.50	8.00	5.30	1.10
	- 10	- 8	silver	11.00	23.00	8.00	4.50	9.00	6.50	1.10
	- 10	- 8	silver	14.00	27.00	8.00	4.50	12.00	8.40	1.10
	- 10	- 8	silver	18.00	30.00	8.00	4.50	13.00	10.50	1.10
	- 10	- 8	silver	22.00	34.00	8.00	4.50	15.00	13.00	1.10
	- 16	- 6	silver	11.00	26.00	10.00	5.80	10.00	5.30	1.10
	- 16	- 6	silver	11.00	26.00	10.00	5.80	10.00	6.50	1.20
	- 16	- 6	silver	14.00	29.00	10.00	5.80	12.00	8.40	1.20
	- 16	- 6	silver	18.00	33.00	10.00	5.80	14.00	10.50	1.20
	- 16	- 6	silver	22.00	37.00	10.00	5.80	16.00	13.00	1.20
- 25	- 25	- 4	silver	12.00	31.00	11.00	7.50	14.00	5.30	1.50
	- 25	- 4	silver	12.00	31.00	11.00	7.50	14.00	6.50	1.50
	- 25	- 4	silver	16.00	33.00	11.00	7.50	14.00	8.40	1.50
	- 25	- 4	silver	18.00	35.00	11.00	7.50	15.00	10.50	1.50
	- 25	- 4	silver	31.00	42.00	11.00	7.50	20.00	13.00	1.50
	- 25	- 4	silver	35.00	49.00	11.00	7.50	25.00	17.00	1.50
	- 35	- 2	silver	15.00	34.00	12.00	9.00	14.00	6.50	1.60
	- 35	- 2	silver	16.00	34.00	12.00	9.00	14.00	8.40	1.60
	- 35	- 2	silver	18.00	36.00	12.00	9.00	15.00	10.50	1.60
	- 35	- 2	silver	22.00	42.00	12.00	9.00	19.00	13.00	1.60
- 50	- 35	- 2	silver	28.00	50.00	12.00	9.00	24.00	17.00	1.60
	- 50	- 1/0	silver	18.00	43.00	16.00	11.00	18.00	6.50	1.80
	- 50	- 1/0	silver	18.00	43.00	16.00	11.00	18.00	8.40	1.80
	- 50	- 1/0	silver	18.00	43.00	16.00	11.00	18.00	10.50	1.80
	- 50	- 1/0	silver	22.00	47.00	16.00	11.00	20.00	13.00	1.80
	- 50	- 1/0	silver	28.00	54.00	16.00	11.00	24.00	17.00	1.80
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	6.50	2.00
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	8.40	2.00
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	10.50	2.00
	- 95	- 3/0	silver	24.00	54.00	20.00	15.00	22.00	8.40	2.50
- 95	- 95	- 3/0	silver	24.00	54.00	20.00	15.00	22.00	10.50	2.50
	- 95	- 3/0	silver	24.00	54.00	20.00	15.00	22.00	13.00	2.50

C-RC 1/M2,5 DIN	3240069	100
C-RC 1/M3 DIN	3240070	100
C-RC 1/M3,5 DIN	3240071	100
C-RC 1/M4 DIN	3240072	100
C-RC 1/M5 DIN	3240073	100
C-RC 1/M6 DIN	3240074	100
C-RC 1/M8 DIN	3240075	100
C-RC 2,5/M3 DIN	3240076	100
C-RC 2,5/M3,5 DIN	3240077	100
C-RC 2,5/M4 DIN	3240078	100
C-RC 2,5/M5 DIN	3240079	100
C-RC 2,5/M6 DIN	3240080	100
C-RC 2,5/M8 DIN	3240081	100
C-RC 2,5/M10 DIN	3240082	100
C-RC 6/M4 DIN	3240083	50
C-RC 6/M5 DIN	3240084	50
C-RC 6/M6 DIN	3240085	50
C-RC 6/M8 DIN	3240086	50
C-RC 6/M10 DIN	3240087	50
C-RC 6/M12 DIN	3240088	50
C-RC 10/M5 DIN	3240089	100
C-RC 10/M6 DIN	3240090	100
C-RC 10/M8 DIN	3240091	100
C-RC 10/M10 DIN	3240092	100
C-RC 10/M12 DIN	3240093	100
C-RC 16/M5 DIN	3240094	100
C-RC 16/M6 DIN	3240095	100
C-RC 16/M8 DIN	3240096	100
C-RC 16/M10 DIN	3240097	100
C-RC 16/M12 DIN	3240098	100
C-RC 25/M5 DIN	3240099	100
C-RC 25/M6 DIN	3240100	100
C-RC 25/M8 DIN	3240101	100
C-RC 25/M10 DIN	3240102	100
C-RC 25/M12 DIN	3240103	100
C-RC 25/M16 DIN	3240104	100
C-RC 35/M6 DIN	3240105	100
C-RC 35/M8 DIN	3240106	100
C-RC 35/M10 DIN	3240107	100
C-RC 35/M12 DIN	3240108	100
C-RC 35/M16 DIN	3240109	100
C-RC 50/M6 DIN	3240110	100
C-RC 50/M8 DIN	3240111	100
C-RC 50/M10 DIN	3240112	100
C-RC 50/M12 DIN	3240113	100
C-RC 50/M16 DIN	3240114	100
C-RC 70/M6 DIN	3240115	100
C-RC 70/M8 DIN	3240116	100
C-RC 70/M10 DIN	3240117	100
C-RC 95/M8 DIN	3240120	50
C-RC 95/M10 DIN	3240121	50
C-RC 95/M12 DIN	3240122	50

Ring cable lugs, non-insulated

Conductor cross sections from 0.5 to 240 mm²

ERC

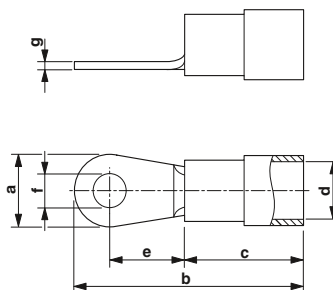
General data			Technical data							
Material / coating										
Temperature range			[°C]							
Description	Cross section		Color	Dimensions [mm]						
	[mm²]	AWG		a	b	c	d	e	f	g
Ring cable lug, non-isolated, as per DIN 46234										
	120	250	silver	24.00	56.00	22.00	16.50	22.00	8.40	3.00
	120	250	silver	24.00	56.00	22.00	16.50	22.00	10.50	3.00
	120	250	silver	24.00	56.00	22.00	16.50	22.00	13.00	3.00
	150	300	silver	30.00	65.00	24.00	19.00	26.00	10.50	3.20
	150	300	silver	30.00	65.00	24.00	19.00	26.00	13.00	3.20
	150	300	silver	30.00	65.00	24.00	19.00	26.00	17.00	3.20
	185	350	silver	36.00	74.00	28.00	21.00	22.00	10.50	3.50
	185	350	silver	36.00	74.00	28.00	21.00	22.00	13.00	3.50
	185	350	silver	36.00	74.00	28.00	21.00	22.00	17.00	3.50
	240	500	silver	38.00	75.00	32.00	23.50	24.00	10.50	4.00
	240	500	silver	38.00	75.00	32.00	23.50	24.00	13.00	4.00
	240	500	silver	38.00	75.00	32.00	23.50	24.00	17.00	4.00

Technical data		
Copper / Tin-plated		
... 110		
Ordering data		
Type	Order No.	Pcs. / Pkt.
C-RC 120/M8 DIN	3240124	25
C-RC 120/M10 DIN	3240125	25
C-RC 120/M12 DIN	3240126	25
C-RC 150/M10 DIN	3240128	25
C-RC 150/M12 DIN	3240129	25
C-RC 150/M16 DIN	3240130	25
C-RC 185/M10 DIN	3240131	20
C-RC 185/M12 DIN	3240132	20
C-RC 185/M16 DIN	3240133	20
C-RC 240/M10 DIN	3240134	10
C-RC 240/M12 DIN	3240135	10
C-RC 240/M16 DIN	3240136	10

Hand tools

Ring cable lugs, insulated

- The insulated ring cable lugs with plastic sleeve are hard-soldered and feature the 'EASY ENTRY' system
- The sleeves are conically tapered to facilitate easy and correct insertion of the conductor



Conductor cross sections from 0.5 to 10 mm²

ERC

General data

Material / coating

Temperature range

[°C]

Technical data

Technical data

Copper / Tin-plated

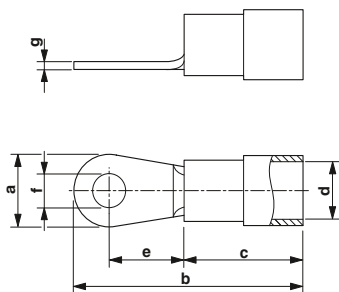
-20 ... 105

Ordering data

Description	Cross section		Color
	[mm²]	AWG	
Ring cable lug, insulated, according to UL			
2.5 mm²	0.5 - 1.5	20 - 16	red
	0.5 - 1.5	20 - 16	red
	0.5 - 1.5	20 - 16	red
	0.5 - 1.5	20 - 16	red
	0.5 - 1.5	20 - 16	red
	1.5 - 2.5	16 - 14	blue
	1.5 - 2.5	16 - 14	blue
	1.5 - 2.5	16 - 14	blue
	1.5 - 2.5	16 - 14	blue
	1.5 - 2.5	16 - 14	blue
	1.5 - 2.5	16 - 14	blue
	4 - 6	12 - 10	yellow
	4 - 6	12 - 10	yellow
	4 - 6	12 - 10	yellow
	4 - 6	12 - 10	yellow
	4 - 6	12 - 10	yellow
- 10	- 8	red	
- 10	- 8	red	
- 10	- 8	red	
- 10	- 8	red	

Dimensions [mm]							
a	b	c	d	e	f	g	
5.50	17.50	10.50	4.10	4.30	3.20	0.75	
5.50	17.50	10.50	4.10	4.30	3.70	0.75	
8.00	21.70	10.50	4.10	7.30	4.30	0.75	
8.00	21.70	10.50	4.10	7.30	5.30	0.75	
11.60	27.60	10.50	4.10	11.20	6.50	0.75	
6.60	20.60	11.00	4.50	7.80	3.20	0.80	
6.60	20.60	11.00	4.50	6.30	3.70	0.80	
8.50	23.00	11.00	4.50	7.80	4.30	0.80	
9.50	23.00	11.00	4.50	7.30	5.30	0.80	
12.00	28.10	11.00	4.50	11.00	6.50	0.80	
12.00	28.10	11.00	4.50	11.00	8.50	0.80	
9.50	26.70	14.00	6.60	8.00	4.30	1.00	
9.50	26.70	14.00	6.60	8.00	5.30	1.00	
12.00	32.70	14.00	6.60	12.70	6.50	1.00	
15.00	34.90	14.00	6.60	13.40	8.50	1.00	
15.00	34.90	14.00	6.60	13.40	10.50	1.00	
10.00	31.30	16.00	7.50	10.90	5.30	1.10	
11.00	31.30	16.00	7.50	19.30	6.50	1.10	
14.00	37.30	16.00	7.50	13.80	8.40	1.10	
18.00	37.30	16.00	7.50	13.80	10.50	1.10	

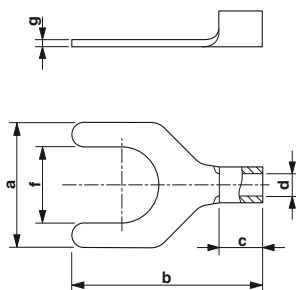
Type	Order No.	Pcs. / Pkt.
C-RCI 1,5/M3	3240016	100
C-RCI 1,5/M3,5	3240017	100
C-RCI 1,5/M4	3240018	100
C-RCI 1,5/M5	3240019	100
C-RCI 1,5/M6	3240020	100
C-RCI 2,5/M3	3240021	100
C-RCI 2,5/M3,5	3240022	100
C-RCI 2,5/M4	3240023	100
C-RCI 2,5/M5	3240024	100
C-RCI 2,5/M6	3240025	50
C-RCI 2,5/M8	3240026	50
C-RCI 6/M4	3240027	50
C-RCI 6/M5	3240028	50
C-RCI 6/M6	3240029	25
C-RCI 6/M8	3240030	25
C-RCI 6/M10	3240031	25
C-RCI 10/M5	3240219	50
C-RCI 10/M6	3240220	50
C-RCI 10/M8	3240221	50
C-RCI 10/M10	3240222	50



Hand tools

Fork-type cable lugs, insulated and non-insulated

- The fork-type cable lugs without plastic sleeve feature a hard-soldered neck. In conjunction with the CRIMPFOX–RC ... and CRIMPFOX–RCI ... pliers they can be used to achieve maximum conductor pull-out forces
- The insulated versions are halogen-free and feature "EASY ENTRY" technology



Conductor cross sections from 0.5 to 6 mm²

General data

Material / coating
Temperature range

[°C]

Technical data

Description	Cross section		Color
	[mm²]	AWG	
Fork-type cable lug, non-isolated DIN 46234			
2.5 mm²	0.5 - 1.5	20 - 16	silver
	0.5 - 1.5	20 - 16	silver
	0.5 - 1.5	20 - 16	silver
	0.5 - 1.5	20 - 16	silver
	0.5 - 1.5	20 - 16	silver
	1.5 - 2.5	16 - 14	silver
	1.5 - 2.5	16 - 14	silver
	1.5 - 2.5	16 - 14	silver
	1.5 - 2.5	16 - 14	silver
	1.5 - 2.5	16 - 14	silver
	1.5 - 2.5	16 - 14	silver
	1.5 - 2.5	16 - 14	silver
	2.6 - 6	12 - 10	silver
	2.6 - 6	12 - 10	silver
2.6 - 6	12 - 10	silver	
2.6 - 6	12 - 10	silver	

Dimensions [mm]							
a	b	c	d	e	f	g	
5.70	16.00	4.50	1.90	-	3.20	0.75	
6.20	16.00	4.50	1.90	-	3.70	0.75	
7.20	16.00	4.50	1.90	-	4.30	0.75	
8.00	16.00	4.50	1.90	-	5.30	0.75	
10.70	17.00	4.50	1.90	-	6.40	0.80	
5.70	16.00	4.80	2.50	-	3.20	0.80	
6.20	16.00	4.80	2.50	-	3.70	0.80	
7.20	16.00	4.80	2.50	-	4.30	0.80	
8.00	16.00	4.80	2.50	-	5.30	0.80	
10.70	17.00	4.80	2.50	-	6.40	0.80	
13.50	22.10	4.80	2.50	-	8.40	0.80	
8.20	19.50	6.50	3.60	-	4.30	1.00	
9.00	19.50	6.50	3.60	-	5.30	1.00	
12.00	23.10	6.50	3.60	-	6.40	1.00	
13.50	25.00	6.50	3.60	-	8.40	1.00	

ERC

Technical data

Copper / Tin-plated
... 110

Ordering data

Type	Order No.	Pcs. / Pkt.
C-FC 1,5/M3	3240137	100
C-FC 1,5/M3,5	3240138	100
C-FC 1,5/M4	3240139	100
C-FC 1,5/M5	3240140	100
C-FC 1,5/M6	3240141	100
C-FC 2,5/M3	3240142	100
C-FC 2,5/M3,5	3240143	100
C-FC 2,5/M4	3240144	100
C-FC 2,5/M5	3240145	100
C-FC 2,5/M6	3240146	100
C-FC 2,5/M8	3240147	100
C-FC 6/M4	3240148	50
C-FC 6/M5	3240149	50
C-FC 6/M6	3240150	50
C-FC 6/M8	3240151	50

Fork-type cable lugs, insulated and non-insulated

- The fork-type cable lugs without plastic sleeve feature a hard-soldered neck. In conjunction with the CRIMPFOX–RC ... and CRIMPFOX–RCI ... pliers they can be used to achieve maximum conductor pull-out forces
- The insulated versions are halogen-free and feature "EASY ENTRY" technology



0.5 to 6 mm² conductor cross sections

ERC

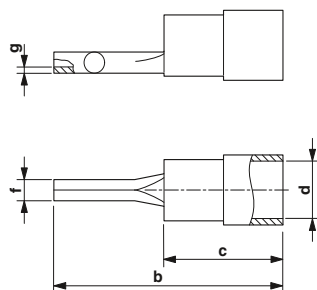
			Technical data								Technical data		
General data													
Material / coating											Copper / Tin-plated		
Temperature range			[°C]								-20 ... 105		
											Ordering data		
Description	Cross section		Color	Dimensions [mm]							Type	Order No.	Pcs. / Pkt.
	[mm²]	AWG		a	b	c	d	e	f	g			
Fork-type cable lug, insulated, according to UL													
	0.5 - 1.5	20 - 16	red	5.70	22.00	10.50	4.10	-	3.20	0.75	C-FCI 1,5/M3	3240032	100
	0.5 - 1.5	20 - 16	red	5.70	22.00	10.50	4.10	-	3.70	0.75	C-FCI 1,5/M3,5	3240033	100
	0.5 - 1.5	20 - 16	red	7.20	22.00	10.50	4.10	-	4.30	0.75	C-FCI 1,5/M4	3240034	100
	0.5 - 1.5	20 - 16	red	8.00	22.00	10.50	4.10	-	5.30	0.75	C-FCI 1,5/M5	3240035	100
	0.5 - 1.5	20 - 16	red	10.70	22.00	10.50	4.10	-	6.50	0.75	C-FCI 1,5/M6	3240036	100
2.5 mm²	1.5 - 2.5	16 - 14	blue	5.70	22.50	11.00	4.50	-	3.20	0.80	C-FCI 2,5/M3	3240037	100
	1.5 - 2.5	16 - 14	blue	5.70	22.50	11.00	4.50	-	3.70	0.80	C-FCI 2,5/M3,5	3240038	100
	1.5 - 2.5	16 - 14	blue	7.20	22.50	11.00	4.50	-	4.30	0.80	C-FCI 2,5/M4	3240039	100
	1.5 - 2.5	16 - 14	blue	8.00	22.50	11.00	4.50	-	5.30	0.80	C-FCI 2,5/M5	3240040	50
	1.5 - 2.5	16 - 14	blue	10.70	22.50	11.00	4.50	-	6.50	0.80	C-FCI 2,5/M6	3240041	50
	4 - 6	12 - 10	yellow	8.20	26.70	14.00	6.60	-	4.30	1.00	C-FCI 6/M4	3240042	50
	4 - 6	12 - 10	yellow	9.00	26.70	14.00	6.60	-	5.30	1.00	C-FCI 6/M5	3240043	50
	4 - 6	12 - 10	yellow	12.00	30.30	14.00	6.60	-	6.50	1.00	C-FCI 6/M6	3240044	25
	4 - 6	12 - 10	yellow	13.50	32.80	14.00	6.60	-	8.50	1.00	C-FCI 6/M8	3240045	25

Hand tools

Pin cable lugs, insulated

The key features of the insulated pin cable lugs with plastic collars are as follows:

- "EASY ENTRY" for easy and reliable conductor entry
- Hard-soldered crimping zone for maximum extraction forces
- Electrolytic tin plating
- Halogen-free



Conductor cross sections from 0.5 to 6 mm²

General data

Material / coating
Temperature range

[°C]

Description	Cross section [mm ²]	AWG	Color
Pin cable lug , isolated as per UL	0.5 - 1.5	20 - 16	red
	1.5 - 2.5	16 - 14	blue
	4 - 6	12 - 10	yellow

Dimensions [mm]							
a	b	c	d	e	f	g	
-	22.50	10.50	4.10	-	2.00	0.75	
-	23.00	11.00	4.50	-	2.00	0.80	
-	27.50	14.00	6.60	-	2.70	0.80	

ERC

Technical data

Copper / Tin-plated
-20 ... 105

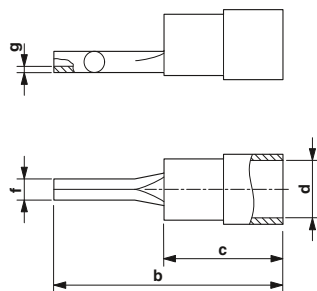
Ordering data

Type	Order No.	Pcs. / Pkt.
C-PCI 1,5/2	3240064	100
C-PCI 2,5/2	3240066	100
C-PCI 6/2,7	3240068	50

Pin cable lugs, insulated with additional crimp zone for conductor insulation

The key features of the insulated pin cable lugs with plastic collars are as follows:

- "EASY ENTRY" for easy and reliable conductor entry
- Hard-soldered crimping zone for maximum extraction forces
- Electrolytic tin plating
- Halogen-free



Conductor cross sections from 0.5 to 6 mm²

General data

Material / coating
Temperature range

[°C]

Description	Cross section [mm ²]	AWG	Color
Pin cable lug, insulated, with additional crimp zone for conductor insulation	0.5 - 1.5	20 - 16	red
	1.5 - 2.5	16 - 14	blue
	4 - 6	12 - 10	yellow

Dimensions [mm]							
a	b	c	d	e	f	g	
-	23.50	11.00	4.10	-	1.90	0.75	
-	23.50	11.00	4.50	-	1.90	0.80	
-	26.70	13.00	6.50	-	2.80	0.80	

Technical data

Copper / Tin-plated
-20 ... 105

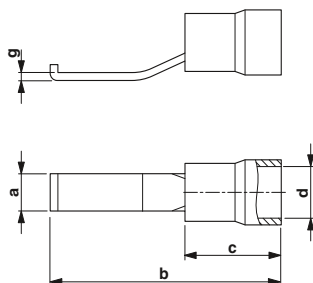
Ordering data

Type	Order No.	Pcs. / Pkt.
C-PCEI 1,5/2	3241215	100
C-PCEI 2,5/2	3241216	100
C-PCEI 6/2	3241217	100

Flat pin cable lugs with hooks, insulated

The key features of the flat pin cable lugs with plastic collars are as follows:

- "EASY ENTRY" for easy and reliable conductor entry
- Electrolytic tin plating
- Halogen-free



Conductor cross sections from 0.5 to 6 mm²

General data

Material / coating

Temperature range

[°C]

Description	Cross section		Color	Dimensions [mm]						
	[mm²]	AWG		a	b	c	d	e	f	g
Flat pin cable lug, insulated										
	0.5 - 1.5	20 - 16	red	2.80	28.00	10.50	4.00	-	-	0.80
	0.5 - 1.5	20 - 16	red	4.60	28.00	10.50	4.00	-	-	0.80
	1.5 - 2.5	16 - 14	blue	2.80	28.50	11.00	4.50	-	-	0.80
	1.5 - 2.5	16 - 14	blue	4.60	28.50	11.00	4.50	-	-	0.80
	4 - 6	12 - 10	yellow	2.80	32.00	14.00	6.50	-	-	0.80
	4 - 6	12 - 10	yellow	4.60	32.00	14.00	6.50	-	-	1.00
Flat pin cable lug, approved for horizontal crushing. Also ideal for spring-assisted USST... screw terminal blocks										
	4 - 6	12 - 10	yellow	2.80	30.50	13.00	6.50	-	-	0.80
	4 - 6	12 - 10	yellow	4.60	30.50	13.00	6.50	-	-	1.00

Technical data

Copper / Tin-plated

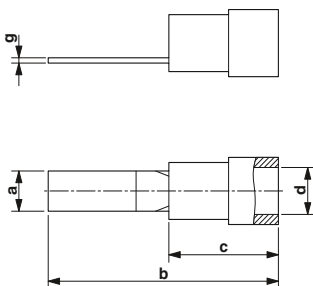
-20 ... 105

Ordering data

Type	Order No.	Pcs. / Pkt.
C-BCI 1,5/2,8	3240015	100
C-BCI 1,5/4,6	3240568	100
C-BCI 2,5/2,8	3240046	100
C-BCI 2,5/4,6	3240569	100
C-BCI 6/2,8	3240047	50
C-BCI 6/4,6	3240570	50
C-BCI 6/2,8 SO	3240057	50
C-BCI 6/4,6 SO	3240067	50

Flat pin cable lugs, straight, insulated

- Easy and reliable conductor entry thanks to "EASY ENTRY"
- Hard-soldered crimping zone for maximum conductor pull-out force in connection with CRIMPFOX RCI... pliers
- Electrogalvanized
- Halogen-free



Conductor cross sections from 0.5 to 6 mm²

General data

Material / coating

Temperature range

[°C]

Description	Cross section		Color	Dimensions [mm]						
	[mm²]	AWG		a	b	c	d	e	f	g
Flat pin cable lug, insulated, pin dimensions:										
19.5 x 2.8 mm	0.5 - 1.5	20 - 16	red	2.80	19.50	10.50	4.10	-	-	0.75
20 x 2.8 mm	1.5 - 2.5	16 - 14	blue	2.80	20.00	11.00	4.50	-	-	0.80
32 x 4.5 mm	4 - 6	12 - 10	yellow	2.80	24.00	14.00	6.60	-	-	1.00
24 x 2.8 mm	4 - 6	12 - 10	yellow	4.50	32.00	14.00	6.60	-	-	1.00

Technical data

CU / electrogalvanized

-20 ... 105

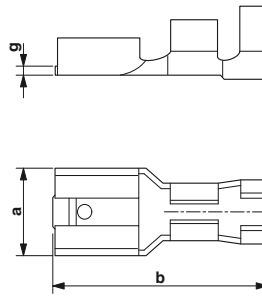
Ordering data

Type	Order No.	Pcs. / Pkt.
C-BCSI 1,5/9X2,8	3240531	100
C-BCSI 2,5/9X2,8	3240532	100
C-BCSI 6/10X2,8	3240546	100
C-BCSI 6/18X4,5	3240533	50

Hand tools

Slip-on sleeves and flat connectors, non-insulated

- The non-insulated slip-on sleeves and flat connectors are made from electrolytically tin-plated brass
- They complete the product range in terms of connectors



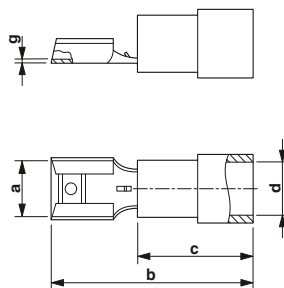
Conductor cross sections from 0.5 to 6 mm²

General data				Technical data							Technical data			
Material / coating											Brass / Tin-plated			
Temperature range				[°C]							... 110			
Description		Cross section		Color	Dimensions [mm]						Type	Order No.	Pcs. / Pkt.	
		[mm²]	AWG		a	b	c	d	e	f	g			
Slip-on sleeve, non-isolated as per DIN 46247														
	0.5 - 1	20 - 18	silver	2.80	14.50	-	-	-	-	-	0.30	C-SCF 1/2,8X0,5	3240152	100
	0.5 - 1	20 - 18	silver	2.80	12.50	-	-	-	-	-	0.30	C-SCF 1/2,8X0,8	3240153	100
	0.5 - 1.5	20 - 16	silver	4.80	15.60	-	-	-	-	-	0.40	C-SCF 1,5/4,8X0,5	3240154	100
	0.5 - 1.5	20 - 16	silver	4.80	15.60	-	-	-	-	-	0.40	C-SCF 1,5/4,8X0,8	3240155	100
	0.5 - 1.5	20 - 16	silver	6.30	19.20	-	-	-	-	-	0.40	C-SCF 1,5/6,3X0,8	3240156	100
	1.5 - 2.5	16 - 14	silver	4.80	15.60	-	-	-	-	-	0.40	C-SCF 2,5/4,8X0,5	3240157	100
	1.5 - 2.5	16 - 14	silver	4.80	15.60	-	-	-	-	-	0.40	C-SCF 2,5/4,8X0,8	3240158	100
	1.5 - 2.5	16 - 14	silver	6.30	19.20	-	-	-	-	-	0.40	C-SCF 2,5/6,3X0,8	3240159	100
	4 - 6	12 - 10	silver	6.30	19.20	-	-	-	-	-	0.40	C-SCF 6/6,3X0,8	3240160	100
Flat connector, non-isolated as per DIN 46248														
	0.5 - 1.5	20 - 16	silver	6.30	20.00	-	-	-	-	-	0.80	C-SCM 1,5/6,3X0,8	3240161	100
	1.5 - 2.5	16 - 14	silver	6.30	20.00	-	-	-	-	-	0.80	C-SCM 2,5/6,3X0,8	3240162	100
Accessories														
Insulating sleeve, as shock protection for slip-on sleeves, to be threaded onto the cable in advance														
For 2.8 mm slip-on sleeves			transparent								PT/FS 2,8	1406700	500	
For 4.8 mm slip-on sleeves			transparent								PT/FS 4,8	1670497	25	
For 6.3 mm slip-on sleeves			transparent								PT/FS 6,3	0604707	500	

Slip-on sleeves and flat connectors, insulated

The key features of the insulated flat connectors and slip-on sleeves with plastic collars are as follows:

- "EASY ENTRY" for easy and reliable conductor entry
- Hard-soldered crimping zone for maximum extraction forces
- Electrolytic tin plating
- Halogen-free



Conductor cross sections from 0.5 to 6 mm²

General data

Material / coating

Temperature range

[°C]

Technical data

Description	Cross section		Color
	[mm²]	AWG	
Slip-on sleeve, insulated, according to UL			
	0.5 - 1.5	20 - 16	red
	0.5 - 1.5	20 - 16	red
	0.5 - 1.5	20 - 16	red
	0.5 - 1.5	20 - 16	red
	0.5 - 1.5	20 - 16	red
	1.5 - 2.5	16 - 14	blue
	1.5 - 2.5	16 - 14	blue
	1.5 - 2.5	16 - 14	blue
	4 - 6	12 - 10	yellow
Slip-on blade connector, insulated, according to UL			
	0.5 - 1.5	20 - 16	red
	1.5 - 2.5	16 - 14	blue
	4 - 6	12 - 10	yellow

Dimensions [mm]								
a	b	c	d	e	f	g		
2.80	18.50	10.50	4.10	-	-	0.25		
2.80	18.50	10.50	4.10	-	-	0.25		
4.80	19.50	10.50	4.10	-	-	0.40		
4.80	19.50	10.50	4.10	-	-	0.40		
6.30	21.50	10.50	4.10	-	-	0.40		
4.80	20.00	11.00	5.00	-	-	0.40		
4.80	20.00	11.00	5.00	-	-	0.40		
6.30	22.00	11.00	5.00	-	-	0.40		
6.30	25.00	14.00	6.60	-	-	0.40		
6.30	22.00	10.50	4.10	-	-	0.80		
6.30	22.50	11.00	4.50	-	-	0.80		
6.30	24.50	14.00	6.60	-	-	0.80		

Technical data

Brass / Tin-plated

-20 ... 105

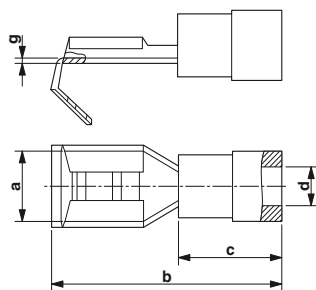
Ordering data

Type	Order No.	Pcs. / Pkt.
C-SCFI 1,5/2,8X0,5	3240048	100
C-SCFI 1,5/2,8X0,8	3240049	100
C-SCFI 1,5/4,8X0,5	3240050	100
C-SCFI 1,5/4,8X0,8	3240051	100
C-SCFI 1,5/6,3X0,8	3240052	100
C-SCFI 2,5/4,8X0,5	3240053	50
C-SCFI 2,5/4,8X0,8	3240054	50
C-SCFI 2,5/6,3X0,8	3240055	50
C-SCFI 6/6,3X0,8	3240056	50
C-SCMI 1,5/6,3X0,8	3240058	100
C-SCMI 2,5/6,3X0,8	3240059	50
C-SCMI 6/6,3X0,8	3240060	50

Hand tools

Slip-on distributor, insulated

- Easy and reliable conductor entry thanks to "EASY ENTRY"
- Hard-soldered crimping zone for maximum conductor pull-out force in connection with CRIMPFOX RCI... pliers
- Electrogalvanized
- Halogen-free



Conductor cross sections from 0.5 to 2.5 mm²

ERC

General data

Material / coating
Temperature range [°C]

Description	Cross section [mm ²]	AWG	Color
Slip-on distributor, insulated, for 6.3 x 0.8 mm plugs and sleeves			
	0.5 - 1.5	20 - 16	red
	1.5 - 2.5	16 - 14	blue

Dimensions [mm]							
a	b	c	d	e	f	g	
6.30	22.50	10.50	41.00	-	-	0.40	
6.30	23.00	11.00	11.00	-	-	0.40	

Technical data

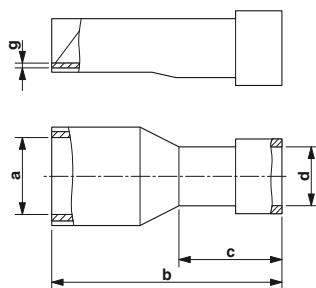
Brass / electrogalvanized
-20 ... 105

Ordering data

Type	Order No.	Pcs. / Pkt.
C-SCFMI 1,5/6,3X0,8	3240529	50
C-SCFMI 2,5/6,3X0,8	3240530	50

Slip-on sleeves, fully insulated

- Easy and reliable conductor entry, thanks to "EASY ENTRY"
- Hard-soldered crimping zone for maximum conductor pull-out force in connection with CRIMPFOX RCI... pliers
- Electrogalvanized
- Halogen-free



Conductor cross sections from 0.5 to 6 mm²

ERC

General data

Material / coating
Temperature range [°C]

Description	Cross section [mm ²]	AWG	Color
Slip-on sleeve, fully insulated, for connectors:			
2.8 x 0.5 mm	0.5 - 1.5	20 - 16	red
2.8 x 0.8 mm	0.5 - 1.5	20 - 16	red
4.8 x 0.5 mm	0.5 - 1.5	20 - 16	red
4.8 x 0.8 mm	0.5 - 1.5	20 - 16	red
6.3 x 0.8 mm	0.5 - 1.5	20 - 16	red
4.8 x 0.5 mm	1.5 - 2.5	16 - 14	blue
4.8 x 0.8 mm	1.5 - 2.5	16 - 14	blue
6.3 x 0.8 mm	1.5 - 2.5	16 - 14	blue
6.3 x 0.8 mm	4 - 6	12 - 10	yellow

Dimensions [mm]							
a	b	c	d	e	f	g	
2.80	19.00	10.50	4.30	-	-	0.25	
2.80	19.00	10.50	4.30	-	-	0.25	
4.80	19.50	10.50	4.30	-	-	0.40	
4.80	19.50	10.50	4.30	-	-	0.40	
6.30	21.50	10.50	4.30	-	-	0.40	
4.80	20.00	11.00	5.00	-	-	0.40	
4.80	20.00	11.00	5.00	-	-	0.40	
6.30	22.00	11.00	5.00	-	-	0.40	
6.30	26.00	14.00	6.60	-	-	0.40	

Technical data

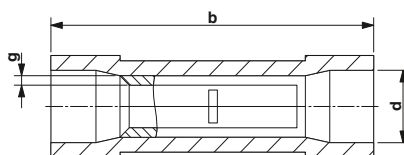
Brass / electrogalvanized
-20 ... 105

Ordering data

Type	Order No.	Pcs. / Pkt.
C-SCFFI 1,5/2,8X0,5	3240534	50
C-SCFFI 1,5/2,8X0,8	3240535	50
C-SCFFI 1,5/4,8X0,5	3240536	50
C-SCFFI 1,5/4,8X0,8	3240537	50
C-SCFFI 1,5/6,3X0,8	3240538	50
C-SCFFI 2,5/4,8X0,5	3240539	50
C-SCFFI 2,5/4,8X0,8	3240540	50
C-SCFFI 2,5/6,3X0,8	3240547	25
C-SCFFI 6/6,3X0,8	3240541	25

Butt connector, fully insulated

- Conductor through connection protection
- Hard-soldered crimping zone for maximum conductor pull-out force in connection with CRIMPFOX RCI... pliers
- Electrogalvanized
- Halogen-free

**Conductor cross sections from 0.5 to 6 mm²****General data**

Material / coating

Temperature range

[°C]

Technical data

Description	Cross section		Color
	[mm ²]	AWG	
Butt connector, insulated	0.5 - 1.5	20 - 16	red
	1.5 - 2.5	16 - 14	blue
	4 - 6	12 - 10	yellow

Dimensions [mm]							
a	b	c	d	e	f	g	
-	25.00	-	4.00	-	-	0.75	
-	25.30	-	4.50	-	-	0.80	
-	27.50	-	6.50	-	-	1.00	

ERC

Technical data

CU / electrogalvanized

-20 ... 105

Ordering data

Type	Order No.	Pcs. / Pkt.
C-JCI 1,5	3240061	50
C-JCI 2,5	3240062	50
C-JCI 6	3240063	25



Automatic devices - TOOL fox

Phoenix Contact provides a comprehensive range of innovative automatic tools for flexible and fast processing of conductors and cables where various steps can be automated.

A combination of functionality, quality, and short modification times guarantees high levels of flexibility while ensuring excellent results every time. Cutting machines, stripping machines, and crimping machines are available.

Product range overview

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Stripping and crimping machine for bulk goods	480



Automatic stripping



Automatic crimping



Automatic stripping and crimping in a single operation



The CUTFOX 10 automatic cutting device cuts conductors and cables with a cross section of up to 10 mm². Solid and stranded conductors can be cut to length with millimeter precision. The length and number of cuts is entered via the user-friendly display. The CUTFOX 10 automatically adapts to the diameter when there is a change in material.



The WF 1000 stripping machine enables the automatic stripping of conductors with a cross section of up to 6 mm² or cables with a diameter of up to 6 mm, as well as the option of partial stripping. The stripping dimensions are set individually via rotary buttons and shown visually on the display.



The Crimphandy is a portable hand-held device for stripping and crimping ferrules in one step. Automatic monitoring functions ensure permanent, high-quality crimping.



The CF 500 crimping device is characterized by a high press capacity in a compact design. Thanks to the adjustable press capacity and interchangeable dies, it is suitable for insulated cable lugs, tubular cable lugs, and crimping wire lugs, as well as slip-on sleeves and ferrules up to 50 mm².



The CF 3000-2,5 stripping and crimping machine processes taped ferrules with insulating collars in accordance with DIN 46228-4. This device allows conductors with a cross section range of 0.25 - 2.5 mm² to be stripped and fitted with ferrules in one operation. The automatic device can be adapted to various cross sections in under a minute.



The automatic stripping and crimping machine CF 1000 processes loose (bulk) ferrules with insulating collars in accordance with DIN 46228-4. Using this machine, conductors can be stripped and fitted with ferrules in one operation.

Automatic devices

Automatic cutting device for conductors and cables



- The automatic cutting device can be used to cut conductors, cables, and similar profiles
- It impresses with its easy handling and enables materials to be changed in a matter of seconds
- The desired length and number of cuts can be specified in a user-friendly way via the display
- The drive and measurement rolls automatically adjust to each inserted diameter
- Additional inputs and settings are not necessary
- High length accuracy, thanks to separate measuring and transport roll
- Light weight enables mobile use

Notes:

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.



Conductor cross sections from 0.25 to 10 mm²

ERC

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

Technical data		
Width	Length	Height
195	295	230

Weight	11
Power consumption	80
Finely stranded	0.25 - 10
Solid strand	0.25 - 2.5
Max. throughput	8
Cross section setting	automatic
Maximum number of cuts	999
Length	2 ... 99999
Feed rate	0.5
Unit of measurement	mm/inch
Dialog language	German / English / French / Italian

Description
Automatic cutting device , 100 - 240 V/50 - 60 Hz version, for conductors and cables with a diameter of up to 8 mm, solid (up to 2.5 mm ²) and stranded (up to 10 mm ²)

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

Cable unwinders, for CUTFOX 10, for accommodating and gently unwinding cable rings and coils, complete

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

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

Replacement drive rollers, for CUTFOX 10, 2 pcs.

Spare knife set, for CUTFOX 10

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

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

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



Stripping machine

Notes:

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.



- Compact stripping machine for automatically stripping conductors with a cross section of 0.08 to 6 mm²
- Multi-strand cables with a diameter of up to 6 mm can also be stripped
- Partial stripping is supported
- Even special types of insulation, such as PTFE and silicone, can be stripped in addition to standard types
- The clamping force automatically adjusts itself to the required extraction force, this reduces/prevents pressure points on sensitive insulation
- The stripping dimensions are set individually via rotary buttons and shown visually on the large display

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

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

Spare stripping knife , for WF 1000
Actuation button for WF 1000
Replacement receptacle tray , for WF 1000



Conductor cross sections from 0.08 to 6 mm²

ERC

Technical data		
Width	Length	Height
141	363	221

Weight	9.5
Power consumption	160
Working cycle	0.3
Stripping power	
Finely stranded	0.08 - 6
Stripping length	3-20
Partial stripping length	2-20
Max. throughput	6

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

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

Automatic devices

Pneumatic crimping pliers

- These crimping pliers are pneumatic tools for ferrules with a cross section range of 0.25 to 10 mm²
- The perfect alternative to the hand pliers, which protects joints and tendons. They are light, easy to handle, and perfect for control cabinet manufacturing
- The ZAP...T table models are designed for work at the workbench and equipped with a foot switch. This keeps both hands free for equipping the conductor



Conductor cross sections from 0.25 to 2.5 mm²



Conductor cross section of 0.25 to 4 mm²

		Technical data			Technical data		
Application range							
Conductor	[mm ²] / AWG	0.25 - 2.5 / 24 - 14			0.25 - 4 / 24 - 12		
Pressure range	[bar]	4 - 6			4 - 6		
Air consumption per compression	[l]	0.2			0.2		
Compression		trapezoidal			trapezoidal		
		Ordering data			Ordering data		
Description		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Pneumatic crimping pliers, for ferrules according to DIN 46228, universal die, lateral and front entry		ZAP 25	1203110	1			
Pneumatic crimping pliers, for ferrules according to DIN 46228, three marked die stations, lateral entry					ZAP 40	1212630	1
Pneumatic crimping pliers, for ferrules according to DIN 46228, three marked die stations, lateral entry							
Pneumatic crimping pliers, for ferrules according to DIN 46228, universal die, lateral and front entry, with foot switch and table clamp							
Pneumatic crimping pliers, for ferrules according to DIN 46228, Universal die, lateral and front entry, with foot switch and table clamp							

Conductor cross sections from 4 to 10 mm²Conductor cross sections from
0.25 to 2.5 mm²Conductor cross sections from 4 to 10 mm²

Technical data
4 - 10 / 12 - 8
4 - 6
0.2
trapezoidal

Ordering data		
Type	Order No.	Pcs. / Pkt.
ZAP 100	1203259	1

Technical data
0.25 - 2.5 / 24 - 14
4 - 6
0.2
trapezoidal

Ordering data		
Type	Order No.	Pcs. / Pkt.
ZAP 25 T	1203123	1

Technical data
4 - 10 / 12 - 8
4 - 6
0.2
trapezoidal

Ordering data		
Type	Order No.	Pcs. / Pkt.
ZAP 100 T	1203262	1

Automatic devices

Portable crimping machine for ferrules, cable lugs, and connectors



A key feature of the CF 500 is its easy handling and high degree of flexibility.

A huge range of different contact types can be processed with the crimping device. Positioning aids make it easier to crimp the contacts.

- The crimp inserts can be changed quickly and easily in a matter of seconds
- The carrier handle means that it is also suitable for mobile use
- The crimping procedure is activated via a foot switch. This keeps both hands free for equipping the conductors with the appropriate contacts
- The contact can be fixed in place before the crimping procedure via an additional two-stage operating mode. This makes it easier to process crimp contacts and prevents incorrect crimping

Notes:

See data sheet for further technical data.

For more information about dies, visit: phoenixcontact.net/products.

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.



Connectors up to 50 mm²

ERC

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

Technical data		
Width	Length	Height
140	220	320

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

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

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

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

Dies for crimping machine



The large number of crimping dies makes the CF 500 an all-rounder.

- In addition to standard contacts, there are a range of special dies to be used, which (among other things) enable the FBS... jumpers from the CLIPLINE complete system
- FBS ...-4, FBS ...-5, FBS ...-6, FBS ...-8
- If the die you require is not listed, please contact us



ERIC

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
CF 500 die , for ferrules (A... and Al...) 0,25-6 mm ²			
For ferrules (A... and Al...) 10, 16 and 25 mm ²	CF 500/DIE Al 6	1212238	1
	CF 500/DIE Al 25	1212239	1
For ferrules (A... and Al...) 35 and 50 mm ²	CF 500/DIE Al 50	1212261	1
For TWIN ferrules (Al-TWIN...) 2 x 4, 2 x 6 and 2 x 10 mm ²	CF 500/DIE Al-TWIN 10	1212262	1
CF 500 die			
For insulated cable lugs (RCI... and FCI...) 0,14 - 1,5 mm ²	CF 500/DIE RCI 1,5	1212263	1
For insulated cable lugs (RCI... and FCI...) 0,5 - 6 mm ²	CF 500/DIE RCI 6	1212240	1
For insulated cable lugs (RCI... and FCI...) 0,5 - 6 mm ² (asymmetrical crushing mold)	CF 500/DIE RCI 6-1	1212691	1
For cable lugs (RC... and FC...) 0,5 - 10 mm ²	CF 500/DIE RC 10	1212244	1
For cable lugs (RC... and FC...) 16 mm ²	CF 500/DIE RC 16	1212257	1
CF 500 die			
For slip-on sleeves and flat connectors (SCF... and SCM...) 0,1 - 1,5 mm ²	CF 500/DIE SC 1,5	1212241	1
For slip-on sleeves and flat connectors (SCF... and SCM...) 0,5 - 6 mm ²	CF 500/DIE SC 6	1212242	1
CF 500 die			
For turned contacts with pin diameters 2,5 and 4,0 mm (CK 2,5..., CK 4,0) 0,14 - 4 mm ²	CF 500/DIE TC 4	1212237	1
For turned contacts (CK 4,0) 6 - 10 mm ²	CF 500/DIE TC 10	1212260	1
CF 500 die , for MC 4 solar contacts, 2,5 - 6 mm ²			
CF 500 die , for uninsulated cable lugs (RC..., FC...) and tubular cable lugs 0,34 - 4 mm ²	CF 500/DIE SR 6-2	1212692	1
For tube lugs 0,34 - 2,5 mm ²	CF 500/DIE RCT 4	1212243	1
For standard tubular cable lugs 4 - 10 mm ² , 4 mm ² : outer-Ø 5 mm, inner-Ø 3 mm, 6 mm ² : outer-Ø 6,5 mm, inner-Ø 3,5 mm, 10 mm ² : outer-Ø 7 mm, inner-Ø 4,5 mm	CF 500/DIE RCT 10-1	1212245	1
For tube lugs 4 - 10 mm ² , 4 mm ² : Outside Ø 5 mm, inside Ø 3 mm, 6 mm ² : Outside Ø 5,5 mm, inside Ø 3,8 mm, 10 mm ² : Outside Ø 6 mm, inside Ø 4,5 mm	CF 500/DIE RCT 10-2	1212246	1
For tube lugs 4 - 10 mm ² , 4 mm ² : Outside Ø 5 mm, inside Ø 3 mm, 6 mm ² : Outside Ø 5,5 mm, inside Ø 3,8 mm, 10 mm ² : Outside Ø 6 mm, inside Ø 4,5 mm	CF 500/DIE RCT 10-3	1212256	1
CF 500 die , for assembling FBS ... plug-in bridges			
For FBS ... plug-in bridges	CF 500/DIE FBS	1212461	1

Automatic devices

CRIMPHANDY, portable hand-held machine, for a 1.0 mm² conductor cross section

The product innovation for switchgear manufacturing – the Crimphandy. You can strip and crimp your conductors in under two seconds using this portable hand-held device – in 75% less time than before.

- The Crimphandy impresses with its easy, effortless handling, which helps protect your joints and tendons
- The compact lightweight is ideal for mobile use in the field. Up to 2000 crimping operations can be performed thanks to the high-performance lithium-ion polymer battery
- Automatic cross section monitoring prevents faulty crimping as a result of incorrect conductor sizes
- The attachable waste receptacle catches the discarded insulation and thereby helps to ensure a clean working environment

Notes:

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.

1.0 mm² conductor cross section

Dimensions	
	[mm]
General data	
Weight	[kg]
Conductor	[mm ²] / AWG
Working cycle	[s]
Compression	

Technical data		
Width	Length	Height
43	205	70
0.43	- 1 / -	< 2
Square crimp		

Description
Portable hand-held machine, battery-powered , for ferrules, 1.0 mm ² , incl. battery and charger, 100 -240 V, in a robust case
For standard PVC conductors (class 5)

Ordering data		
Type	Order No.	Pcs. / Pkt.
CF CRIMPHANDY 1,0	1212465	1

Reel ferrules , 1.0 mm ² , 8 mm, with plastic sleeve, according to DIN 46228-4, 50 pieces per strip, 20 strips per unit pack
Red, according to DIN 46228-4 and NF C 63-023: 1994-02
Yellow, special color, according to DIN 46228-4 and NF C 63-023: 1994-02
Replacement battery , for CF Crimphandy..., Li-ion 7.4 V, 0.68 Ah
Replacement charger , for CF CRIMPHANDY..., 100 - 240 V AC
Receptacle tray for CF-CRIMPHANDY
Replacement service tool , for CF-CRIMPHANDY 1.0

Accessories		
	Order No.	Pcs. / Pkt.
AI 1,0-8 RD-S	1212523	1000
AI 1,0-8 YE-S	1212782	1000
CF CRIMPHANDY/ACCU	1212518	1
CF CRIMPHANDY/CHARGER	1212519	1
CF CRIMPHANDY/COVER	1212709	1
CF CRIMPHANDY 1,0/SERVICE-TOOL	1212759	1



CRIMPHANDY, portable hand-held machine, for a 1.5 mm² conductor cross section



The product innovation for switchgear manufacturing – the Crimphandy. You can strip and crimp your conductors in under two seconds using this portable hand-held device – in 75% less time than before.

- Ferrules are automatically fed in, in strip form, via the integrated magazine, enabling multiple conductors to be crimped one after another without interruption
- The sleeves can be reloaded within a matter of seconds. The special sleeves with function end prevent incorrect insertion

The square crimp mold is ideal for the terminal blocks from the CLIPLINE complete system

- UT... screw connection terminal blocks
- ST... spring-cage connection terminal blocks
- PT... push-in connection terminal blocks
- COMBI plug-in connection solutions

Notes:

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.



1.5 mm² conductor cross section

Dimensions

[mm]

General data

Weight	[kg]
Conductor	[mm ²] / AWG
Working cycle	[s]
Compression	

Description

Portable hand-held machine, battery-powered, for ferrules, 1.5 mm², incl. battery and charger, 100 - 240 V, in a robust case

For standard PVC conductors (class 5)

Reel ferrules, 1.5 mm², 8 mm, with plastic sleeve, according to DIN 46228-4, 50 pieces per strip, 20 strips per unit pack

Black, according to DIN 46228-4 and NF C 63-023: 1994-02

Red, special color, according to DIN 46228-4 and NF C 63-023: 1994-02

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

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

Receptacle tray for CF-CRIMPHANDY

Service tool, for CF-CRIMPHANDY 1,5, for rectifying malfunctions

Technical data

Width	Length	Height
43	205	70
0.43	- 1.5 / -	< 2
Square crimp		

Ordering data

Type	Order No.	Pcs. / Pkt.
CF CRIMPHANDY 1,5	1212466	1

Accessories

AI 1,5-8 BK-S	1212524	1000
AI 1,5-8 RD-S	1212781	1000
CF CRIMPHANDY/ACCU	1212518	1
CF CRIMPHANDY/CHARGER	1212519	1
CF CRIMPHANDY/COVER	1212709	1
CF CRIMPHANDY 1,5/SERVICE-TOOL	1212708	1



Automatic devices

Portable automatic stripping and crimping device for taped products



- The compact stripping and crimping machine can be used to process taped ferrules with insulating collars in accordance with DIN 46228-4
- Up to 1000 conductors can be processed an hour
- The conductor is stripped in a single operation and is crimped with a ferrule to a high standard of quality
- Particularly suitable for pre-assembling conductors
- Thanks to its compact and lightweight design, it can also be used as a portable solution for transport between different work locations
- The automatic device can be adapted to various cross sections in under a minute
- Color coding in accordance with ferrule standard DIN 46228-4 makes the assignment of modification components really clear
- The suitable taped ferrules support the use of all modular terminal blocks, especially from the **CLIPLINE complete system**:
 - UT... screw terminal blocks
 - ST spring-cage terminal blocks
 - Push-in connection terminal blocks PT
 - COMBI plug-in connection solutions

Notes:

An application video can be found in the download area for the relevant product on our website at phoenixcontact.net/products.



Conductor cross sections from 0.25 to 2.5 mm²

ERC

Dimensions	
	[mm]
General data	
Weight	[kg]
Application range	
Conductor	[mm ²] / AWG
Power consumption	[VA]
Working cycle	[s]
Compression	

Technical data		
Width	Length	Height
165	320	300
12		
0.25 - 2.5 / 24 - 14		
80		
1.2		
trapezoidal		

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

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

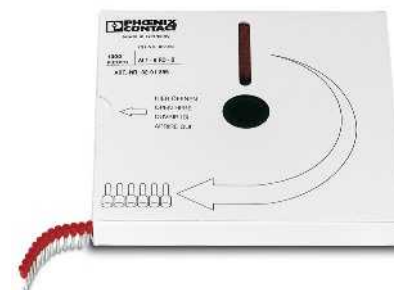
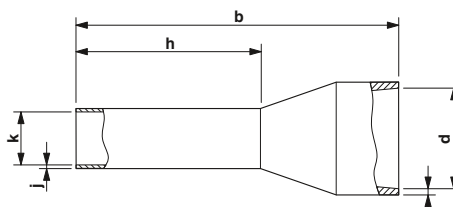
Extension kit , complete, for CF 3000, for taped insulated ferrules, 0.25/0.34 mm ² , sleeve length 8 mm
Spare locator , 0.25 mm ² 0.5 mm ² 0.75 mm ² 1.0 mm ² 1.5 mm ² 2.5 mm ²
Spare knife , 0.25 mm ² , adjustable 0.25 mm ² , adjustable 0.5 mm ² 0.75 mm ² 1.0 mm ² 1.5 mm ² 2.5 mm ²

Accessories		
CF 3000-TOOLKIT 0,25	1212376	1
CF 3000 LOC 0,25	1212377	1
CF 3000 LOC 0,5	1205639	1
CF 3000 LOC 0,75	1205642	1
CF 3000 LOC 1,0	1205655	1
CF 3000 LOC 1,5	1205668	1
CF 3000 LOC 2,5	1205671	1
CF 3000 AB 0,25	1212380	1
CF 3000 AM 0,5	1205587	1
CF 3000 AM 0,75	1205590	1
CF 3000 AM 1,0	1205600	1
CF 3000 AM 1,5	1205613	1
CF 3000 AM 2,5	1205626	1



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

- The taped ferrules have been developed specifically for the CF 3000-2,5 crimping machine
- Available in the main color ranges up to 2.5 mm²
- Can be used to wire all terminal blocks, especially those of the CLIPLINE complete system



Conductor cross sections from 0.25 to 8 mm²



General data

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

Technical data

Technical data

E-CU / tin-plated (galvanic)
polypropylene
105°C / 120°C

Description Cross section [mm²] AWG Color

Taped ferrule, with plastic sleeve, color range as per DIN 46228-4: 1990-09, CSA-certified

0.25	22	yellow
0.5	20	white
0.75	18	gray
1	18	red
1.5	16	black
2.5	14	blue

Taped ferrules, with plastic sleeve, color code as per NF C 63-023: 1994-02, CSA-certified

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

Taped ferrules, with plastic sleeve, special colors, CSA-certified

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

Dimensions [mm]

a	b	d	h	i	j	k
-	14.00	2.20	8.00	0.25	0.15	0.80
-	14.00	2.50	8.00	0.25	0.15	1.10
-	14.00	2.80	8.00	0.25	0.15	1.30
-	14.00	3.00	8.00	0.30	0.15	1.50
-	14.00	3.40	8.00	0.30	0.15	1.80
-	14.00	4.20	8.00	0.30	0.15	2.30

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

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

Ordering data

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

Automatic devices

Stripping and crimping machine for bulk goods



The stripping and crimping device can be used to process loose ferrules from 0.25 to 4 mm² with insulating collars according to DIN 46228-4.

The optimized sensor technology has improved the processing of small cross sections.

- The conductor is stripped and crimped with a ferrule to a high standard of quality in a single step, which enables up to 1000 conductors to be processed per hour
- The added counter provides you with an overview of the quantity
- The pull-out forces conform to the requirements of IEC/EN 60999 and IEC/EN 60947
- The press unit can be switched off at the touch of a button so that the CF 1000 can be used as a stripping machine
- A cross section change can be carried out in just a few steps without any need for tools. The sleeve length can be easily set with a screwdriver. Additional settings are not necessary. You can order additional feeder bowls as accessories for an even faster cross section change
- Robust design, suitable for industrial bulk processing
- High reliability thanks to maintenance and wear-free components
- Additional feeder bowls make the cross section change even quicker

Notes:

Accessories and replacement parts for older device versions can be found at phoenixcontact.net/products.



Conductor cross sections from 0.34 to 4 mm²

ERC

Technical data

Width	Length	Height
240	490	390
General data		
Weight	[kg]	29
Power supply	[V]	100 ... 240, 50 Hz ... 60 Hz
Air consumption per compression	[l]	1.2
Working cycle	[s]	1.5
Compression		trapezoidal

Ordering data

Type	Order No.	Pcs. / Pkt.
CF 1000-1,5	1208199	1

Accessories

CF 1000-TOOLKIT 0,34/6-8	1208226	1
CF 1000-TOOLKIT 2,5/6-12	1208242	1
CF 1000-TOOLKIT 4,0/10	1208271	1
CF 1000 EM	1205215	1
CF 1000 EM4,0	1212663	1
CF 1000 VEP1,5 GB	1206901	1
CF 1000 LOC0,5 GB	1212907	1
CF 1000 LOC0,75 GB	1212908	1
CF 1000 LOC1,0 GB	1212909	1
CF 1000 LOC1,5 GB	1212910	1
CF 1000 SORT0,34	1206890	1
CF 1000 SORT1,5	1204326	1
CF 1000 SORT4,0	1206887	1

Dimensions	[mm]
General data	
Weight	[kg]
Power supply	[V]
Air consumption per compression	[l]
Working cycle	[s]
Compression	

Description

Stripping and crimping device, 100 - 240 V version, electro-pneumatic, for loose ferrules with insulating collar, 0.34 – 4 mm², incl. conversion kits 0.5 – 1.5 mm² (sleeve length 6 - 12 mm)

Extension kit, complete, for CF 1000, for loose ferrules with insulating collar, from serial number 160637

0.25/0.34 mm², sleeve length 6 and 8 mm
2.5 mm², sleeve length 6 to 12 mm
4 mm², sleeve length 10 mm

Spare knife, V-form, for CF 1000

0.25 to 2.5 mm²
4 mm²

Extension components for processing Al...GB sleeves and conductors with thicker insulation. (from device serial number 160637)

Separation plate, for Al...GB, 0.5 to 1.5 mm²

Sleeve receiver, for Al...GB 0.5 mm² sleeves

for Al...GB 0.75 mm² sleeves

for Al...GB 1.0 mm² sleeves

for Al...GB 1.5 mm² sleeves

Replacement feeder bowl, for CF 1000-1,5

0.25 - 0.34 mm² sleeves

0.50 - 1.5 mm² sleeves

2.5 and 4.0 mm² sleeves

Stripping and crimping machine for bulk goods

The CF 1000-10 processes loose ferrules from 4 - 10 mm² with plastic collars according to DIN 46228-4

- The conductor is stripped and crimped with a ferrule to a high standard of quality in a single step, which enables up to 1000 conductors to be processed per hour
- The added counter provides you with an overview of the quantity
- The cross section change can be carried out in just a few steps without any need for tools. The sleeve length can be easily set with a screwdriver. Additional settings are not necessary
- The pull-out forces conform to the requirements of IEC/EN 60999 and IEC/EN 60947



Conductor cross section of 4 / 6 / 10 mm²

Dimensions	
	[mm]

General data	
Weight	[kg]
Power supply	[V]
Air consumption per compression	[l]
Working cycle	[s]
Compression	

Description

Stripping and crimping device, 100 - 240 V version, electro-pneumatic, for loose ferrules with insulating collar, 4 mm², 6 mm², and 10 mm², without conversion kit

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

Replacement knife, V-form, for CF 1000-10

4 mm ²
6 mm ²
10 mm ²

ERC

Technical data		
Width	Length	Height
240	490	390

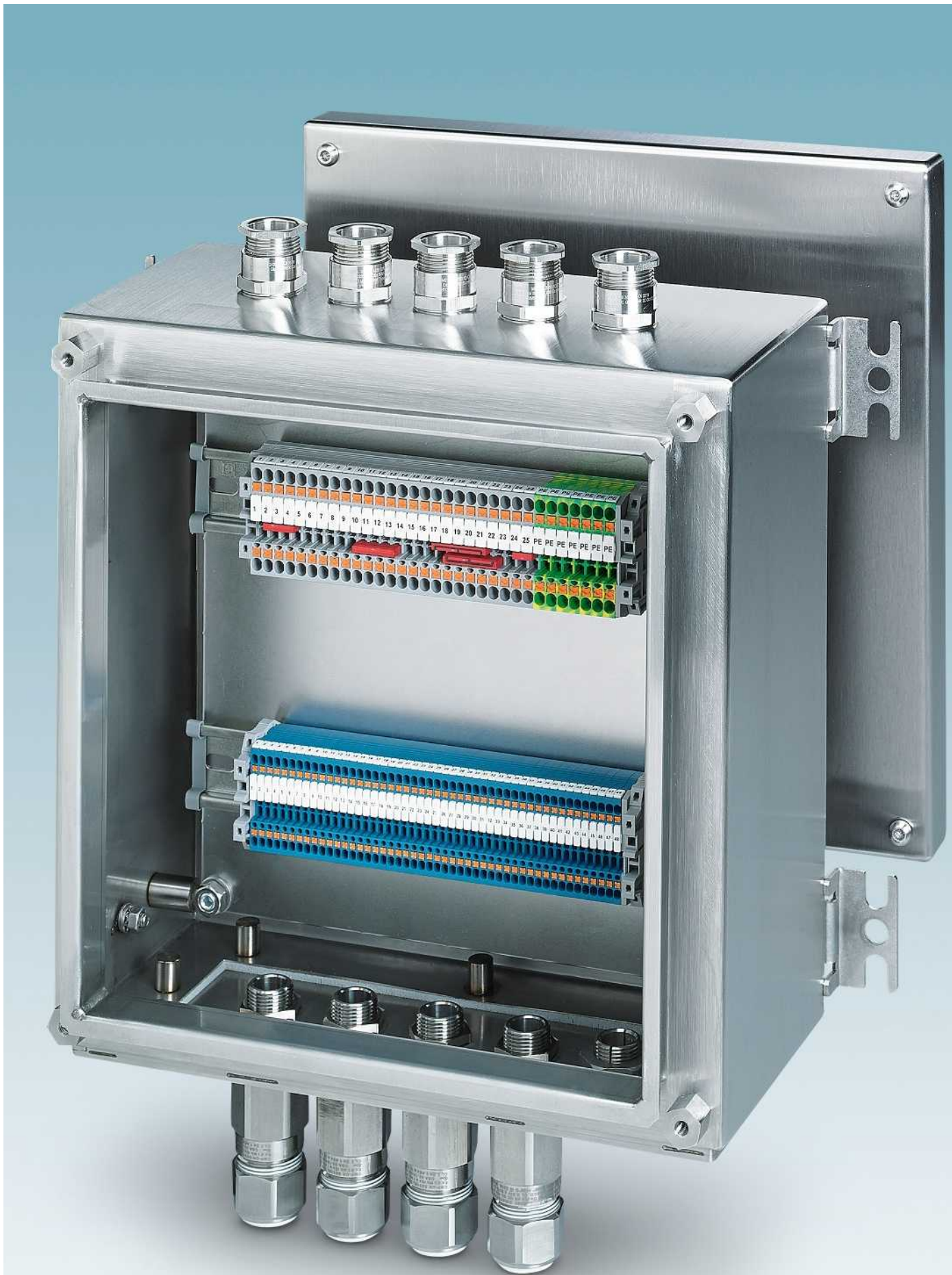
29
100 ... 240, 50 Hz ... 60 Hz
1.2
1.5
trapezoidal

Ordering data

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

Accessories

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



Installation and mounting material - CABINET add-on

The CABINET add-on range includes terminal boxes as well as mounting material and assembly equipment.

The robust CLIPSAFE stainless steel Ex terminal boxes and empty housings provide all-round protection for your application in industrial environments as well as in process technology. The housing range includes standardized housings with dimensions of up to 1000 x 1000 x 300 mm. We can also adjust these to suit your requirements while adhering to Ex standards according to ATEX and IECEx. Supplied pre-equipped with terminal blocks and cable glands for use in potentially explosive areas with corresponding device approval.

Your web code: #0140

The installation of switchgear and control cabinets need not be time- and space-consuming if suitable mounting devices are used. 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 security is assured by cover profiles, while shield connection clamps enable EMC-compliant wiring.

The cable management product range includes an extensive range of cable protection systems and cable ducts, as well as cable binders for every application.

Product range overview

CLIPSAFE stainless steel Ex terminal boxes and empty housings	484
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CLIPSAFE ABS terminal boxes	496
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Ex cable glands	500
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Component mounting

NS 15, NS 35, and NS 32 DIN rails	508
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End brackets for DIN rails	520
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Marking for terminal strips	522
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Brackets for mounting on DIN rails	524
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Adapter and support bracket	525
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Busbars

Neutral busbar	530
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Power and branch terminal blocks	531
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Connection terminal blocks for busbars	532
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Connection terminal blocks and sockets

Europe connectors	534
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Junction box connectors	538
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Sockets	540
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Shielding

Shield connection clamps	542
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Supports	544
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Cable management

Cable routing	552
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Cable ducts	553
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Scissors and cutters	556
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Cable clamps for DIN rail	557
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Cable protection

Protective hoses and screw connections	558
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Accessories	576
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Cable bundling

Cable binders	582
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Empty Ex housing

Choose the right stainless steel housing for your application from 140 Ex-approved versions. Custom dimensions and surface treatments are available on request.



Empty Ex housing processed according to customer specifications

We can customize the housings according to your specifications with threads, bore holes, and rectangular cutouts, taking Ex standards according to ATEX and IECEx into consideration.



Ex terminal boxes

Terminal boxes are supplied ready equipped with terminal blocks and cable glands with corresponding ATEX and IECEx device approval. Individual control boxes with electronic components are available on request.



Comprehensive product range

The housings are available as door or cover versions in nine different depths and sizes up to 1000 mm x 1000 mm x 300 mm. The robust housings made from up to 2 mm thick high-grade 1.4404 (V4A), AISI 316L stainless steel are ideal for use under extreme conditions.



Flexible door stop

The door stop can be easily changed according to your individual requirements or the installation situation. The 135° opening angle of the door guarantees comfortable work during maintenance and servicing. The special door and cover seal guarantees a reliable seal even after it has been opened multiple times.



Flexible wall fastening

The mounting brackets that are supplied as standard can be flexibly adapted to the installation situation. Welded-on mounting brackets are available on request.



Individual flange plate fixing

The terminal boxes and empty housings can be equipped with flange plates on up to four sides. The flange plates are equipped with a patented protective sealing frame and with captive mounting screws.



Safe outdoor use

The housings satisfy all the requirements of IP66 protection according to EN 60529, NEMA 4X, and NEMA 250 and are designed for safe use outdoors in the temperature range from -55°C to 135°C. A drainage channel reliably prevents the ingress of moisture and dirt when opened.



Ex cable glands

A comprehensive range of Ex cable glands made from stainless steel or nickel-plated brass is available to safely feed through standard, reinforced, and shielded cables. IP66, IP67, and IP68 protection provides maximum safety.

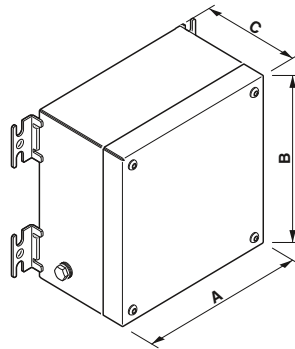
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Installation and mounting material - CABINET add-on

CLIPSAFE stainless steel Ex terminal boxes and empty housings

Empty housing, depth of 80 - 120 mm

- Defined stops and the special seal support ensure optimum seal compression and therefore satisfy the stringent requirements for housing leak-tightness
- From a depth (C) of 160 mm, up to four housing sides can be fitted with flange plates on request
- 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 design features a large assembly opening for easy access to the terminal boxes. The flat seal edge prevents injury during installation, servicing or maintenance work



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

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see "Device marking" section

Marking

Baseefa 14 ATEX 0393U

IECEx BAS 14.0179U

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db

-55°C ≤ Ta ≤ +135°C Type IP66

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.

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

Technical data	
Stainless steel, 316L/1.4404	
Silicon	
IP66	
7	
brushed, 240 grain	
-55 ... 135	
Screw-on cover, Allen screws	
External fixing clips	
1.5	

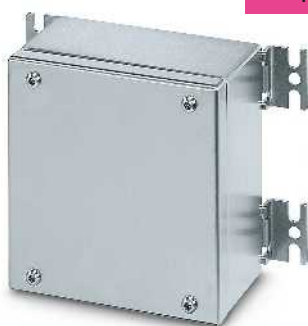
Description	Dimension A x B x C [mm]
Terminal box, without mounting plate	100 x 100 x 80
	150 x 100 x 80
	200 x 100 x 80
	120 x 120 x 100
Terminal box, with mounting plate	150 x 150 x 80
	200 x 150 x 80
	300 x 150 x 80
	400 x 150 x 80
	200 x 200 x 80
	300 x 200 x 80
	150 x 150 x 100
	200 x 200 x 120
	300 x 200 x 120
	400 x 200 x 120
	600 x 200 x 120
	200 x 300 x 120
	300 x 300 x 120

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

Mounting plate , sheet steel, galvanized	
Dimensions: 150 x 150 x 2 mm	
Dimensions: 200 x 150 x 2 mm	
Dimensions: 300 x 150 x 2 mm	
Dimensions: 400 x 150 x 2 mm	
Dimensions: 200 x 200 x 2 mm	
Dimensions: 300 x 200 x 2 mm, can also be used for 200 x 300 mm	
Dimensions: 400 x 200 x 2 mm	
Dimensions: 600 x 200 x 2 mm	
Dimensions: 300 x 300 x 2 mm	
Torque screwdrivers , adjustable from 3 - 6 Nm	black
Screw bit , hexagonal, E6.3-1/4" drive, hardened, suitable for holder according to 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	

Accessories		
Type	Order No.	Pcs. / Pkt.
TSD-M 6NM	1212226	1
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
EMP-V4A CS LID-S	0839005	10

new



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

new



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

new



Depth of 120 mm,
housing with cover screwed in place,
without flange, with mounting plate

Technical data

Stainless steel, 316L/1.4404
Silicon
IP66
7
brushed, 240 grain
-55 ... 135
Screw-on cover, Allen screws
External fixing clips
1.5

Technical data

Stainless steel, 316L/1.4404
Silicon
IP66
7
brushed, 240 grain
-55 ... 135
Screw-on cover, Allen screws
External fixing clips
1.5

Technical data

Stainless steel, 316L/1.4404
Silicon
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

Ordering data

Type	Order No.	Pcs. / Pkt.
E S6 A 150X150X100	0899010	1

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

Accessories

AE MP SH 150X150	0161962	1
AE MP SH 200X150	0161963	1
AE MP SH 300X150	0161964	1
AE MP SH 400X150	0161965	1
AE MP SH 200X200	0161966	1
AE MP SH 300X200	0161967	1
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

Accessories

AE MP SH 150X150	0161962	1
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

Accessories

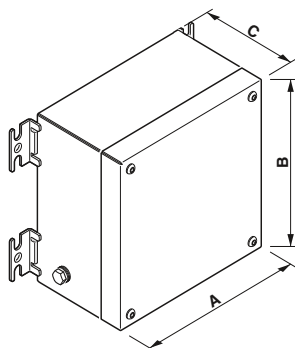
AE MP SH 200X200	0161966	1
AE MP SH 300X200	0161967	1
AE MP SH 400X200	0161968	1
AE MP SH 600X200	0161969	1
AE MP SH 300X300	0161970	1
TSD-M 6NM	1212226	1
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
EMP-V4A CS LID	0839003	10

Installation and mounting material - CABINET add-on

CLIPSAFE stainless steel Ex terminal boxes and empty housings

Empty housing, depth of 160 mm

- Defined stops and the special seal support ensure optimum seal compression and therefore satisfy the stringent requirements for housing leak-tightness
- From a depth (C) of 160 mm, up to four housing sides can be fitted with flange plates on request
- 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 design features a large assembly opening for easy access to the terminal boxes. The flat seal edge prevents injury during installation, servicing or maintenance work



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

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see "Device marking" section

Marking

Baseefa 14 ATEX 0393U

IECEX BAS 14.0179U

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIC Db

-55°C ≤ Ta ≤ +135°C Type IP66

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.

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

Technical data
Stainless steel, 316L/1.4404
Silicon
IP66
7
brushed, 240 grain
-55 ... 135
Screw-on cover, Allen screws
External fixing clips
1.5

Description	Dimension A x B x C [mm]
Terminal box	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

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

Mounting plate , sheet steel, galvanized
Dimensions: 200 x 200 x 2 mm
Dimensions: 260 x 260 x 2 mm
Dimensions: 400 x 260 x 2 mm
Dimensions: 300 x 200 x 2 mm, can also be used for 200 x 300 mm
Dimensions: 300 x 300 x 2 mm
Dimensions: 400 x 300 x 2 mm
Dimensions: 260 x 380 x 2 mm
Dimensions: 380 x 380 x 2 mm
Dimensions: 500 x 400 x 2 mm
Dimensions: 382 x 458 x 2 mm
Dimensions: 480 x 480 x 2 mm
Dimensions: 300 x 500 x 2 mm
Dimensions: 350 x 500 x 2 mm
Dimensions: 450 x 620 x 2 mm
Torque screwdrivers , adjustable from 3 - 6 Nm
black
Screw bit , hexagonal, E6.3-1/4" drive, hardened, suitable for holder according to 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

Accessories		
AE MP SH 200X200	0161966	1
AE MP SH 260X260	0161987	1
AE MP SH 400X260	0162001	1
AE MP SH 300X200	0161967	1
AE MP SH 300X300	0161970	1
AE MP SH 400X300	0161971	1
AE MP SH 260X380	0161972	1
AE MP SH 380X380	0161973	1
AE MP SH 500X400	0161974	1
AE MP SH 382X458	0161975	1
AE MP SH 480X480	0161976	1
AE MP SH 300X500	0161981	1
AE MP SH 350X500	0161982	1
AE MP SH 450X620	0161983	1
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

new



Depth of 160 mm, housing with cover screwed in place, with flange plates on the bottom, with mounting plate

new



Depth of 160 mm, cabinet with hinged door, without flange, with mounting plate

new



Depth of 160 mm, cabinet with hinged door, with flange plates on the bottom, with mounting plate

Technical data

Stainless steel, 316L/1.4404
Silicon
IP66
7
brushed , 240 grain
-55 ... 135
Screw-on cover, Allen screws

External fixing clips
1.5

Technical data

Stainless steel, 316L/1.4404
Silicon
IP66
7
brushed , 240 grain
-55 ... 135
Door with hinge, Quarter turn locking with two-way key bit

External fixing clips
1.5

Technical data

Stainless steel, 316L/1.4404
Silicon
IP66
7
brushed , 240 grain
-55 ... 135
Door with 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

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

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

Accessories

AE MP SH 200X200	0161966	1
AE MP SH 260X260	0161987	1
AE MP SH 450X620	0161983	1
AE MP SH 300X200	0161967	1
AE MP SH 300X300	0161970	1
AE MP SH 400X300	0161971	1
AE MP SH 260X380	0161972	1
AE MP SH 380X380	0161973	1
AE MP SH 500X400	0161974	1
AE MP SH 382X458	0161975	1
AE MP SH 480X480	0161976	1
AE MP SH 300X500	0161981	1
AE MP SH 350X500	0161982	1
AE MP SH 450X620	0161983	1
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

Accessories

AE MP SH 200X200	0161966	1
AE MP SH 260X260	0161987	1
AE MP SH 450X620	0161983	1
AE MP SH 300X200	0161967	1
AE MP SH 300X300	0161970	1
AE MP SH 400X300	0161971	1
AE MP SH 260X380	0161972	1
AE MP SH 380X380	0161973	1
AE MP SH 500X400	0161974	1
AE MP SH 382X458	0161975	1
AE MP SH 480X480	0161976	1
AE MP SH 300X500	0161981	1
AE MP SH 350X500	0161982	1
AE MP SH 450X620	0161983	1
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

Accessories

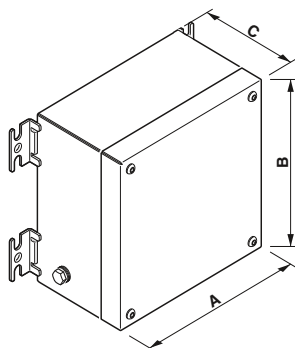
AE MP SH 200X200	0161966	1
AE MP SH 260X260	0161987	1
AE MP SH 450X620	0161983	1
AE MP SH 300X200	0161967	1
AE MP SH 300X300	0161970	1
AE MP SH 400X300	0161971	1
AE MP SH 260X380	0161972	1
AE MP SH 380X380	0161973	1
AE MP SH 500X400	0161974	1
AE MP SH 382X458	0161975	1
AE MP SH 480X480	0161976	1
AE MP SH 300X500	0161981	1
AE MP SH 350X500	0161982	1
AE MP SH 450X620	0161983	1
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

CLIPSAFE stainless steel Ex terminal boxes and empty housings

Terminal boxes, depth of 200 mm

- Defined stops and the special seal support ensure optimum seal compression and therefore satisfy the stringent requirements for housing leak-tightness
- From a depth (C) of 160 mm, up to four housing sides can be fitted with flange plates on request
- 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 design features a large assembly opening for easy access to the terminal boxes. The flat seal edge prevents injury during installation, servicing or maintenance work



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

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see "Device marking" section

Marking

Baseefa 14 ATEX 0393U

IECEx BAS 14.0179U

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db

-55°C ≤ Ta ≤ +135°C Type IP66

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.

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

Technical data	
Stainless steel, 316L/1.4404	
Silicon	
IP66	
7	
brushed, 240 grain	
-55 ... 135	
Screw-on cover, Allen screws	
External fixing clips	
1.5	

Description	Dimension A x B x C [mm]
Terminal box, 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
Control box, with door and twist lock	260 x 300 x 200
	300 x 300 x 200
	600 x 400 x 200

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

Mounting plate, sheet steel, galvanized	
Dimensions: 260 x 300 x 2 mm	
Dimensions: 300 x 300 x 2 mm	
Dimensions: 400 x 300 x 2 mm	
Dimensions: 400 x 400 x 2 mm	
Dimensions: 600 x 400 x 2 mm	
Torque screwdrivers, adjustable from 3 - 6 Nm	black
Screw bit, hexagonal, E6.3-1/4" drive, hardened, suitable for holder according to 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	

Accessories		
AE MP SH 260X300	0161984	1
AE MP SH 300X300	0161970	1
AE MP SH 400X300	0161971	1
AE MP SH 400X400	0161985	1
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

new



Depth of 200 mm, cabinet with hinged door,
without flange plates, with mounting plate

Technical data

Stainless steel, 316L/1.4404

Silicon

IP66

7

brushed , 240 grain

-55 ... 135

Door with 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

Accessories

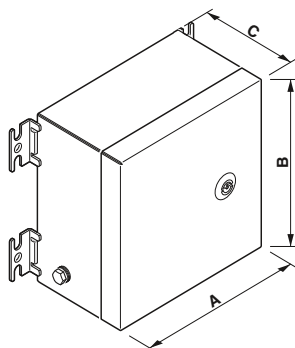
AE MP SH 260X300	0161984	1
AE MP SH 300X300	0161970	1
AE MP SH 600X400	0161986	1
TSD-M 6NM	1212226	1
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
EMP-V4A CS DOOR	0839001	10

Installation and mounting material - CABINET add-on

CLIPSAFE stainless steel Ex terminal boxes and empty housings

Empty housing, depth of 210 mm

- Defined stops and the special seal support ensure optimum seal compression and therefore satisfy the stringent requirements for housing leak-tightness
- From a depth (C) of 160 mm, up to four housing sides can be fitted with flange plates on request
- 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 design features a large assembly opening for easy access to the terminal boxes. The flat seal edge prevents injury during installation, servicing or maintenance work



Depth of 210 mm, cabinet with hinged door, without flange plates, with mounting plate

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see "Device marking" section

Marking

Baseefa 14 ATEX 0393U

IECEX BAS 14.0179U

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db

-55°C ≤ Ta ≤ +135°C Type IP66

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.

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

Technical data	
Stainless steel, 316L/1.4404	
Silicon	
IP66	
7	
brushed , 240 grain	
-55 ... 135	
Door with hinge, Quarter turn locking with two-way key bit	
External fixing clips	
1.5	

Description	Dimension A x B x C [mm]
Terminal box, 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

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

Mounting plate , sheet steel, galvanized	
Dimensions: 260 x 260 x 2 mm	
Dimensions: 300 x 300 x 2 mm	
Dimensions: 260 x 380 x 2 mm	
Dimensions: 600 x 400 x 2 mm	
Dimensions: 382 x 458 x 2 mm	
Dimensions: 480 x 480 x 2 mm	
Dimensions: 350 x 500 x 2 mm	
Dimensions: 600 x 600 x 2 mm	
Dimensions: 450 x 620 x 2 mm	
Dimensions: 550 x 740 x 2 mm	
Dimensions: 508 x 762 x 2 mm	
Dimensions: 640 x 860 x 2 mm	
Dimensions: 610 x 914 x 2 mm	
Dimensions: 740 x 980 x 2 mm	
Torque screwdrivers , adjustable from 3 - 6 Nm	black
Screw bit , hexagonal, E6.3-1/4" drive, hardened, suitable for holder according to 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	

Accessories		
AE MP SH 260X260	0161987	1
AE MP SH 300X300	0161970	1
AE MP SH 260X380	0161972	1
AE MP SH 600X400	0161986	1
AE MP SH 382X458	0161975	1
AE MP SH 480X480	0161976	1
AE MP SH 350X500	0161982	1
AE MP SH 600X600	0161988	1
AE MP SH 450X620	0161983	1
AE MP SH 550X740	0161989	1
AE MP SH 508X762	0161990	1
AE MP SH 640X860	0161991	1
AE MP SH 610X914	0161992	1
AE MP SH 740X980	0161993	1
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



new



new

Depth of 210 mm, cabinet with hinged door,
with flange plates on the bottom, with
mounting plate

Depth of 210 mm, cabinet with hinged door,
with flange plates on the bottom, left, and
right, with mounting plate

Technical data

Stainless steel, 316L/1.4404
Silicon
IP66
7
brushed , 240 grain
-55 ... 135
Door with hinge, Quarter turn locking with two-way key bit

External fixing clips
1.5

Technical data

Stainless steel, 316L/1.4404
Silicon
IP66
7
brushed , 240 grain
-55 ... 135
Door with 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

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

Accessories

AE MP SH 260X260	0161987	1
AE MP SH 300X300	0161970	1
AE MP SH 260X380	0161972	1
AE MP SH 600X400	0161986	1
AE MP SH 382X458	0161975	1
AE MP SH 480X480	0161976	1
AE MP SH 350X500	0161982	1
AE MP SH 600X600	0161988	1
AE MP SH 450X620	0161983	1
AE MP SH 550X740	0161989	1
AE MP SH 508X762	0161990	1
AE MP SH 640X860	0161991	1
AE MP SH 610X914	0161992	1
AE MP SH 740X980	0161993	1
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

Accessories

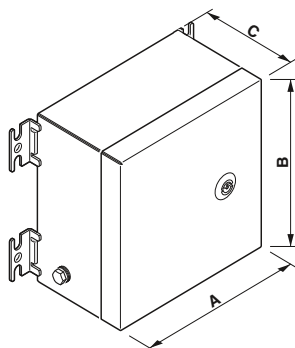
AE MP SH 260X260	0161987	1
AE MP SH 300X300	0161970	1
AE MP SH 260X380	0161972	1
AE MP SH 600X400	0161986	1
AE MP SH 382X458	0161975	1
AE MP SH 480X480	0161976	1
AE MP SH 350X500	0161982	1
AE MP SH 600X600	0161988	1
AE MP SH 450X620	0161983	1
AE MP SH 550X740	0161989	1
AE MP SH 508X762	0161990	1
AE MP SH 640X860	0161991	1
AE MP SH 610X914	0161992	1
AE MP SH 740X980	0161993	1
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

CLIPSAFE stainless steel Ex terminal boxes and empty housings

Empty housing, depth of 240 mm, 260 mm, and 300 mm

- Defined stops and the special seal support ensure optimum seal compression and therefore satisfy the stringent requirements for housing leak-tightness
- From a depth (C) of 160 mm, up to four housing sides can be fitted with flange plates on request
- 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 design features a large assembly opening for easy access to the terminal boxes. The flat seal edge prevents injury during installation, servicing or maintenance work



new

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

Terminal box marking

An extensive range of marking materials is available for the durable and unique marking of terminal boxes; see "Device marking" section

Marking

Baseefa 14 ATEX 0393U

IECEX BAS 14.0179U

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db

-55°C ≤ Ta ≤ +135°C Type IP66

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.

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

Technical data	
Stainless steel, 316L/1.4404	
Silicon	
IP66	
7	
brushed, 240 grain	
-55 ... 135	
Door with hinge, Quarter turn locking with two-way key bit	
External fixing clips	
2	

Description	Dimension A x B x C [mm]
Terminal box 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
Control box with door and twist lock, including 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

Mounting plate, sheet steel, galvanized	
Dimensions: 600 x 650 x 2 mm	
Dimensions: 400 x 650 x 2 mm	
Dimensions: 600 x 600 x 2 mm	
Dimensions: 508 x 762 x 2 mm	
Dimensions: 600 x 800 x 2 mm	
Dimensions: 800 x 800 x 2 mm	
Dimensions: 740 x 980 x 2 mm	
Dimensions: 1000 x 1000 x 2 mm	
Torque screwdrivers, adjustable from 3 - 6 Nm	black
Screw bit, hexagonal, E6.3-1/4" drive, hardened, suitable for holder according to 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	

Ordering data		
Type	Order No.	Pcs. / Pkt.
C S6 A 600X650X240	0899126	1

Accessories		
AE MP SH 600X650	0161994	1
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



new

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



new

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



new

Depth of 300 mm, cabinet with hinged door, with flange plates on the bottom, with mounting plate

Technical data
Stainless steel, 316L/1.4404
Silicon
IP66
7
brushed , 240 grain
-55 ... 135
Door with hinge, Quarter turn locking with two-way key bit
External fixing clips
2

Technical data
Stainless steel, 316L/1.4404
Silicon
IP66
7
brushed , 240 grain
-55 ... 135
Door with hinge, Quarter turn locking with two-way key bit
External fixing clips
2

Technical data
Stainless steel, 316L/1.4404
Silicon
IP66
7
brushed , 240 grain
-55 ... 135
Door with 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

Ordering data		
Type	Order No.	Pcs. / Pkt.
C S6 A 600X600X300	0899128	1
C S6 A 508X762X300	0899130	1
C S6 A 600X800X300	0899132	1
C S6 A 800X800X300	0899134	1
C S6 A 740X980X300	0899136	1
C S6 A 1000X1000X300	0899138	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
C1 S6 A 600X600X300	0899129	1
C1 S6 A 508X762X300	0899131	1
C1 S6 A 600X800X300	0899133	1
C1 S6 A 800X800X300	0899135	1
C1 S6 A 740X980X300	0899137	1
C1 S6 A 1000X1000X300	0899139	1

Accessories		
AE MP SH 400X650	0161995	1
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

Accessories		
AE MP SH 600X600	0161988	1
AE MP SH 508X762	0161990	1
AE MP SH 600X800	0161996	1
AE MP SH 800X800	0161997	1
AE MP SH 740X980	0161993	1
AE MP SH 1000X1000	0161998	1
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

Accessories		
AE MP SH 600X600	0161988	1
AE MP SH 508X762	0161990	1
AE MP SH 600X800	0161996	1
AE MP SH 800X800	0161997	1
AE MP SH 740X980	0161993	1
AE MP SH 1000X1000	0161998	1
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

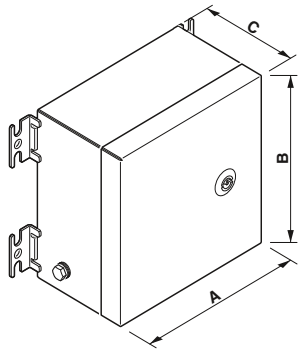
CLIPSAFE ABS terminal boxes

Assembled terminal boxes

- Terminal box with cover, pre-assembled terminal strip, and push-in 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, solid: 0.14 mm²
Max. conductor cross section, solid: 4 mm²



Terminal box with 6 2.5 mm² terminal blocks and push-in technology

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

Technical data	
ABS	
Silicon	
IP66	
2 according to EN 62262/EN 50102	
- , -	
-40 ... 70	
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 6PT	3001998	1



Terminal box with 12 2.5 mm² terminal blocks and push-in technology



Terminal box with 20 2.5 mm² terminal blocks and push-in technology

Technical data

ABS
Silicon
IP66
2 according to EN 62262/EN 50102
"-", "-"
-40 ... 70
Screw-on cover, Phillips-Recess
Screw connection in housing base

Ordering data

Type	Order No.	Pcs. / Pkt.
E AB A 130X80X60 12PT	3001999	1

Technical data

ABS
Silicon
IP66
2 according to EN 62262/EN 50102
"-", "-"
-40 ... 70
Screw-on cover, Phillips-Recess
Screw connection in housing base

Ordering data

Type	Order No.	Pcs. / Pkt.
E AB A 180X130X100 20PT	3002001	1

CLIPSAFE ABS terminal boxes

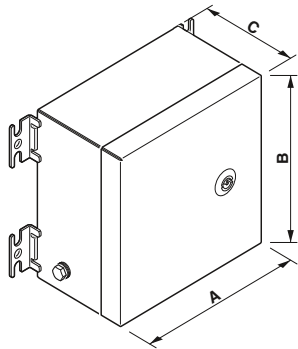
Assembled terminal boxes

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, solid: 0.5 mm²
Max. conductor cross section, solid: 4 mm²



Terminal box with 6 2.5 mm² terminal blocks and screw connection technology

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

Technical data	
ABS	
Silicon	
IP66	
2 according to EN 62262/EN 50102	
- , -	
-40 ... 70	
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
IP66
2 according to EN 62262/EN 50102
-, -
-40 ... 70
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
IP66
2 according to EN 62262/EN 50102
-, -
-40 ... 70
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

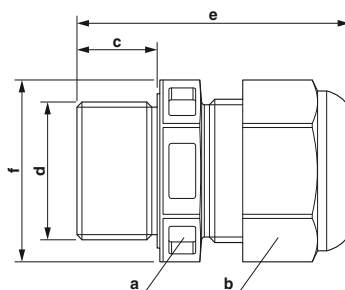
Ex cable glands

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



Notes:

For counter nuts, see page 506



new

Plastic cable gland



Ex: Ex e IIC Gb
PTB 13 ATEX 1015 X / IECEx PTB 13.0034X

Technical data

Polyamide
EPDM
EPDM
-40°C ... 75°C

General data

Cable gland material
Seal material
O-ring material
Ambient temperature (operation)

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

Dimensions [mm]							
a	b	c	d	e	f	g	
16.00	16.00	15.00	12.00	35.00	18.00	-	
20.00	20.00	15.00	16.00	37.00	23.00	-	
24.00	24.00	15.00	20.00	41.00	28.00	-	
29.00	29.00	15.00	25.00	43.00	33.00	-	
36.00	36.00	15.00	32.00	45.00	41.00	-	
46.00	46.00	18.00	40.00	58.00	51.00	-	
55.00	55.00	18.00	50.00	63.00	61.00	-	
68.00	68.00	18.00	63.00	67.00	75.00	-	

Ordering data

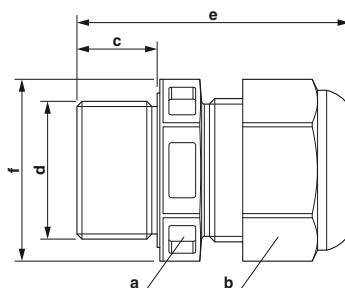
Type	Order No.	Pcs. / Pkt.
G-ESIS-M12-S68L-PEPDS-BK	1415106	10
G-ESIS-M16-S68L-PEPDS-BK	1415107	10
G-ESIS-M20-S68L-PEPDS-BK	1415108	10
G-ESIS-M25-M68L-PEPDS-BK	1415109	10
G-ESIS-M32-M68L-PEPDS-BK	1415110	5
G-ESIS-M40-M68L-PEPDS-BK	1415111	5
G-ESIS-M50-L68L-PEPDS-BK	1415112	1
G-ESIS-M63-L68L-PEPDS-BK	1415113	1

Plastic cable glands, metric, Ex protection

- Halogen-free
- Vibration-proof plastic cable gland with protection against over-tightening of the cap nut
- Glow-wire test: 750°C
- Degree of protection: IP66/IP68, 5 bar (30 minutes)

Marking:

- II 2 G Ex e IIC Gb
- II 2 D Ex IIIC Db IP68



Notes:

For counter nuts, see page 506



new

Plastic cable gland



Ex: Ex e IIC Gb
PTB 13 ATEX 1015 X / IECEx PTB 13.0034X

Technical data

Polyamide
EPDM
EPDM
-40°C ... 75°C

General data

Cable gland material
Seal material
O-ring material
Ambient temperature (operation)

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

Dimensions [mm]							
a	b	c	d	e	f	g	
16.00	16.00	15.00	12.00	35.00	18.00	-	
20.00	20.00	15.00	16.00	37.00	23.00	-	
24.00	24.00	15.00	20.00	41.00	28.00	-	
29.00	29.00	15.00	25.00	43.00	33.00	-	
36.00	36.00	15.00	32.00	45.00	41.00	-	
46.00	46.00	18.00	40.00	58.00	51.00	-	
55.00	55.00	18.00	50.00	63.00	61.00	-	
68.00	68.00	18.00	63.00	67.00	75.00	-	

Ordering data

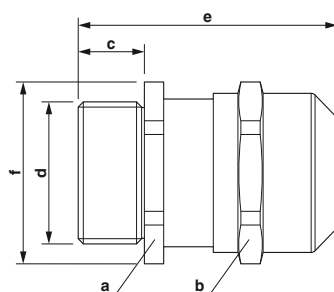
Type	Order No.	Pcs. / Pkt.
G-ESIS-M12-S68L-PEPDS-BL	1415114	10
G-ESIS-M16-S68L-PEPDS-BL	1415116	10
G-ESIS-M20-S68L-PEPDS-BL	1415117	10
G-ESIS-M25-M68L-PEPDS-BL	1415118	10
G-ESIS-M32-M68L-PEPDS-BL	1415119	5
G-ESIS-M40-M68L-PEPDS-BL	1415120	5
G-ESIS-M50-L68L-PEPDS-BL	1415121	1
G-ESIS-M63-L68L-PEPDS-BL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



Notes:

For counter nuts, see page 506



Brass cable gland



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

Technical data

Nickel-plated brass
EPDM
EPDM
-40°C ... 75°C

Ordering data

General data

Cable gland material
Seal material
O-ring material
Ambient temperature (operation)

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

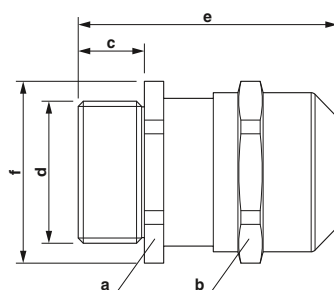
Dimensions [mm]							
a	b	c	d	e	f	g	
-	16.00	12.00	12.00	30.00	18.00	-	-
-	20.00	12.00	16.00	33.00	22.00	-	-
-	24.00	12.00	20.00	35.00	27.00	-	-
-	29.00	12.00	25.00	38.00	32.00	-	-
-	36.00	15.00	32.00	43.00	40.00	-	-
-	46.00	15.00	40.00	51.00	51.00	-	-
-	55.00	15.00	50.00	57.00	61.00	-	-
-	68.00	15.00	63.00	61.00	75.00	-	-

Brass EMC cable glands, metric, Ex protection

- Halogen-free
- Polyamide compression ring
- Permanent braided shield contact by means of grounding cones in the EMC screw connection
- Degree of protection: IP66/IP68, 5 bar (30 minutes)

Marking:

- II 2 G Ex e IIC Gb
- II 2 D Ex IIIC Db IP68



Notes:

For ribbed counter nut, see page 507



Brass EMC cable gland



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

Technical data

Nickel-plated brass
EPDM
EPDM
-40°C ... 75°C

Ordering data

General data

Cable gland material
Seal material
O-ring material
Ambient temperature (operation)

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

Dimensions [mm]							
a	b	c	d	e	f	g	
16.00	16.00	12.00	12.00	30.00	18.00	-	-
20.00	20.00	12.00	16.00	33.00	22.00	-	-
24.00	24.00	12.00	20.00	35.00	27.00	-	-
29.00	29.00	12.00	25.00	38.00	32.00	-	-
36.00	36.00	15.00	32.00	43.00	40.00	-	-
46.00	46.00	15.00	40.00	51.00	51.00	-	-
55.00	55.00	15.00	50.00	57.00	61.00	-	-
68.00	68.00	15.00	63.00	61.00	75.00	-	-

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

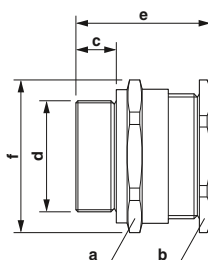
Installation and mounting material - CABINET add-on

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 506

Ex: CIDET EAC Ex NEPSI
SIRA13ATEX1068X / IECEx SIR13.0023X

Technical data

Nickel-plated brass
Thermoplastic elastomers
Viton
-60°C ... 130°C

General data

Cable gland material
Seal material
O-ring material
Ambient temperature (operation)

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

Dimensions [mm]							
a	b	c	d	e	f	g	
27.00	27.00	15.00	20.00	39.00	29.70	-	
36.00	36.00	15.00	25.00	41.00	39.60	-	
41.00	41.00	15.00	32.00	42.00	45.10	-	
50.00	50.00	15.00	40.00	43.00	55.00	-	
60.00	60.00	15.00	50.00	45.00	66.00	-	
75.00	75.00	15.00	63.00	45.00	82.50	-	

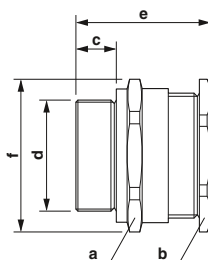
Ordering data

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 507

Ex: CIDET EAC Ex NEPSI
SIRA13ATEX1068X / IECEx SIR13.0023X

Technical data

Stainless steel 1.4404
Thermoplastic elastomers
Viton
-60°C ... 130°C

General data

Cable gland material
Seal material
O-ring material
Ambient temperature (operation)

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

Dimensions [mm]							
a	b	c	d	e	f	g	
27.00	27.00	15.00	20.00	39.00	29.70	-	
36.00	36.00	15.00	25.00	41.00	39.60	-	
41.00	41.00	15.00	32.00	42.00	45.10	-	
50.00	50.00	15.00	40.00	43.00	55.00	-	
60.00	60.00	15.00	50.00	45.00	66.00	-	
75.00	75.00	15.00	63.00	45.00	82.50	-	

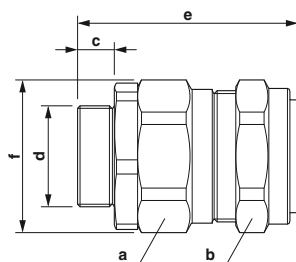
Ordering data

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 506

Ex: CIDET EAC Ex NEPSI
SIRA13ATEX1070X / IECEx SIR13.0025X

Technical data

Nickel-plated brass
Thermoplastic elastomers
Viton
-60°C ... 130°C

Ordering data

General data

Cable gland material
Seal material
O-ring material
Ambient temperature (operation)

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

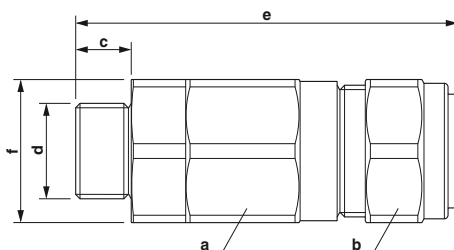
Dimensions [mm]							
a	b	c	d	e	f	g	
24.00	24.00	15.00	20.00	62.00	26.40	-	
30.50	30.50	15.00	20.00	65.00	33.60	-	
37.50	37.50	15.00	25.00	70.00	41.30	-	
46.00	46.00	15.00	32.00	73.00	50.60	-	
55.00	55.00	15.00	40.00	73.00	60.50	-	
70.00	70.00	15.00	50.00	75.00	77.00	-	
80.00	80.00	15.00	63.00	78.00	88.00	-	

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	1
G-ESSWU-M63-L66L-NTES-S	1411102	1

Stainless steel cable glands, metric, Ex protection

The cable glands for armored cables provide flameproof (type "d"), increased safety (type "e"), and restricted breathing (type "nR") protection.

– Degree of protection: IP66/IP67/IP68



Stainless steel cable gland

Notes:

For counter nuts, see page 507

Ex: CIDET EAC Ex NEPSI
SIRA13ATEX1073X / IECEx SIR13.0028X

Technical data

Stainless steel 1.4404
Thermoplastic elastomers
Viton
-60°C ... 130°C

Ordering data

General data

Cable gland material
Seal material
O-ring material
Ambient temperature (operation)

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

Dimensions [mm]							
a	b	c	d	e	f	g	
24.00	24.00	15.00	20.00	85.00	26.40	-	
30.50	30.50	15.00	20.00	87.00	33.60	-	
37.50	37.50	15.00	25.00	97.00	41.30	-	
46.00	46.00	15.00	32.00	100.00	50.60	-	
55.00	55.00	15.00	40.00	101.00	60.50	-	
70.00	70.00	15.00	50.00	115.00	77.00	-	
80.00	80.00	15.00	63.00	118.00	88.00	-	

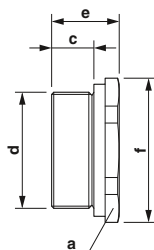
Type	Order No.	Pcs. / Pkt.
G-EDSWU-M20S-S66L-STES-S	1411089	10
G-EDSWU-M20-M66L-STES-S	1411091	10
G-EDSWU-M25-M66L-STES-S	1411093	10
G-EDSWU-M32-L66L-STES-S	1411095	5
G-EDSWU-M40-L66L-STES-S	1411099	1
G-EDSWU-M50-L66L-STES-S	1411101	1
G-EDSWU-M63-L66L-STES-S	1411103	1

Installation and mounting material - CABINET add-on

Ex cable glands

Brass screw plugs, metric, Ex protection

Screw plugs provide IP66 and IP68 protection when installed with an entry thread ring, sealing unused cable entries in flameproof (type "d") and increased safety (type "e") installations.



Brass screw plug

Notes:

For counter nuts, see page 506.

Ex:  

SIRA01ATEX1284U / IECEx SIR07.0083X

Technical data

Nickel-plated brass
-60°C ... 200°C

Ordering data

General data

Material
Ambient temperature (operation)

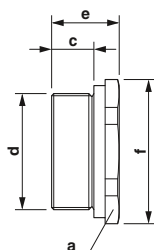
Thread type	Color	Clamping area [mm]
M20	silver	-
M25	silver	-
M32	silver	-
M40	silver	-
M50	silver	-
M63	silver	-

Dimensions [mm]							
a	b	c	d	e	f	g	
24.00	-	15.00	20.00	24.00	26.40	-	
30.00	-	15.00	25.00	24.00	33.00	-	
36.00	-	15.00	32.00	24.00	39.60	-	
46.00	-	15.00	40.00	24.00	50.60	-	
55.00	-	15.00	50.00	24.00	60.50	-	
65.00	-	15.00	63.00	24.00	77.00	-	

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

Screw plugs provide IP66 and IP68 protection when installed with an entry thread ring, sealing unused cable entries in flameproof (type "d") and increased safety (type "e") installations.



Stainless steel screw plug

Notes:

For counter nuts, see page 507.

Ex:  

SIRA01ATEX1284U / IECEx SIR07.0083X

Technical data

Stainless steel 1.4404
-60°C ... 200°C

Ordering data

General data

Material
Ambient temperature (operation)

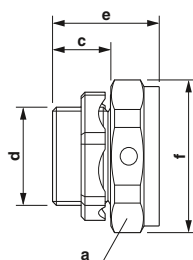
Thread type	Color	Clamping area [mm]
M20	silver	-
M25	silver	-
M32	silver	-
M40	silver	-
M50	silver	-
M63	silver	-

Dimensions [mm]							
a	b	c	d	e	f	g	
24.00	-	15.00	20.00	24.00	26.40	-	
30.00	-	15.00	25.00	24.00	33.00	-	
36.00	-	15.00	32.00	24.00	39.60	-	
46.00	-	15.00	40.00	24.00	50.60	-	
55.00	-	15.00	50.00	24.00	60.50	-	
65.00	-	15.00	63.00	24.00	77.00	-	

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.



Brass pressure compensation

Notes:

For counter nuts, see page 506.

Ex: EAC Ex NEPSI
SIRA10ATEX1307U / IECEx SIR10.0149U

Technical data

Nickel-plated brass
-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

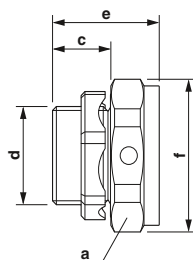
Material
Ambient temperature (operation)

Thread type	Color	Clamping area [mm]
M20	silver	-
M25	silver	-

Dimensions [mm]						
a	b	c	d	e	f	g
30.00	-	15.00	20.00	32.00	33.00	-
31.50	-	15.00	25.00	32.00	39.60	-

Stainless steel pressure compensation, metric, Ex protection

Breather/drain plugs for increased safety (type "e") provide superior ventilation for devices. They are designed to act as a pressure compensation element preventing moisture build-up to IP66.



Stainless steel pressure compensation

Notes:

For counter nuts, see page 507.

Ex: EAC Ex NEPSI
SIRA10ATEX1307U / IECEx SIR10.0149U

Technical data

Stainless steel 1.4404
-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
Ambient temperature (operation)

Thread type	Color	Clamping area [mm]
M20	silver	-
M25	silver	-

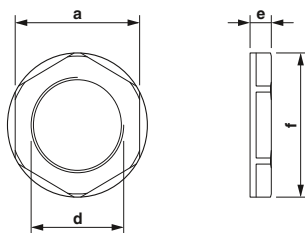
Dimensions [mm]						
a	b	c	d	e	f	g
30.00	-	15.00	20.00	32.00	26.40	-
31.50	-	15.00	25.00	32.00	33.00	-

Installation and mounting material - CABINET add-on

Ex cable glands

Plastic counter nuts, metric, EN 60423

- Material: polyamide 6
- Color: deep black (RAL 9005)
- Ambient temperature: -20°C ... +80°C



Plastic counter nut

General data

Material
Ambient temperature (operation)

Technical data

PA 6 GF 30
-20°C ... 80°C

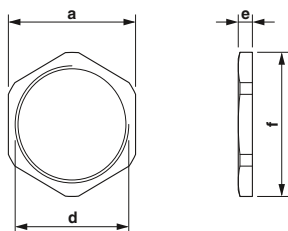
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm]					
			a	b	c	d	e	f
M12	jet black	-	18.00	-	-	12.00	5.00	19.50
M16	jet black	-	22.00	-	-	16.00	5.00	24.20
M20	jet black	-	26.00	-	-	20.00	6.00	28.60
M25	jet black	-	32.00	-	-	25.00	6.00	35.00
M32	jet black	-	41.00	-	-	32.00	7.00	46.10
M40	jet black	-	50.00	-	-	40.00	7.00	55.30
M50	jet black	-	60.00	-	-	50.00	8.00	66.10
M63	jet black	-	75.00	-	-	63.00	8.00	82.50

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

- Material: brass, nickel-plated
- Ambient temperature: -70°C ... +220°C



Brass counter nut

General data

Material
Ambient temperature (operation)

Technical data

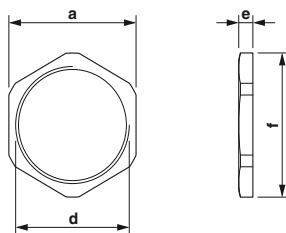
Nickel-plated brass
-70°C ... 220°C

Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm]					
			a	b	c	d	e	f
M12	silver	-	15.00	-	-	12.00	2.80	16.50
M16	silver	-	19.00	-	-	16.00	2.80	21.00
M20	silver	-	24.00	-	-	20.00	3.00	27.00
M25	silver	-	30.00	-	-	25.00	3.50	33.50
M32	silver	-	36.00	-	-	32.00	4.00	40.00
M40	silver	-	46.00	-	-	40.00	5.00	50.00
M50	silver	-	57.00	-	-	50.00	5.00	65.00
M63	silver	-	70.00	-	-	63.00	6.00	75.00

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



Stainless steel counter nut

General data

Material
Ambient temperature (operation)

Technical data

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

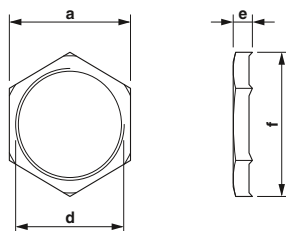
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm]						
			a	b	c	d	e	f	g
M20	silver	-	24.00	-	-	20.00	3.00	27.00	-
M25	silver	-	30.00	-	-	25.00	3.50	33.50	-
M32	silver	-	36.00	-	-	32.00	4.00	40.00	-
M40	silver	-	46.00	-	-	40.00	5.00	50.00	-
M50	silver	-	55.00	-	-	50.00	5.00	65.00	-
M63	silver	-	70.00	-	-	63.00	6.00	75.00	-

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

- Material: brass, nickel-plated
- Ambient temperature: -70°C ... +220°C
- Version: ribbed



Brass counter nut

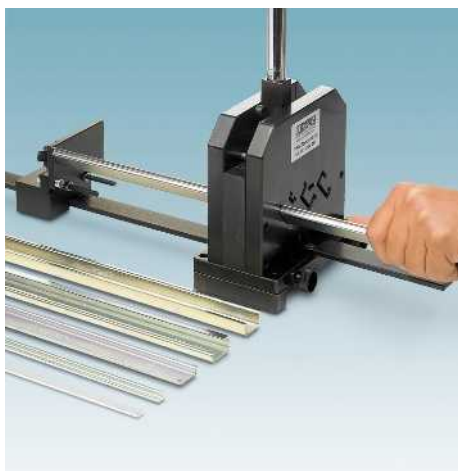
Thread type	Color	Clamping area [mm]	Dimensions [mm]						
			a	b	c	d	e	f	g
M12	silver	-	15.00	-	-	12.00	4.70	16.50	-
M16	silver	-	19.00	-	-	16.00	4.70	21.00	-
M20	silver	-	24.00	-	-	20.00	4.70	27.00	-
M25	silver	-	30.00	-	-	25.00	5.20	33.50	-
M32	silver	-	36.00	-	-	32.00	5.70	40.00	-
M40	silver	-	46.00	-	-	40.00	6.50	50.00	-
M50	silver	-	60.00	-	-	50.00	6.50	65.00	-
M63	silver	-	70.00	-	-	63.00	7.00	75.00	-

Ordering data

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

Component mounting

DIN rails NS 15, flat design



- The design of the DIN rails complies with European standard EN 60715
- Particular attention has been paid to a high degree of dimensional accuracy and surface tempering
- All DIN rails are also available cut to length

The DIN rails are available with various surface coatings and are suitable for the following applications:

- Zinc plated, for indoor applications
- White passivated, for indoor applications
- Zinc plated and thick layer passivated, for indoor and protected outdoor applications
- Aluminum; as a result of their improved conductivity, these versions can also be used as PEN busbars

Notes:

For dimensional drawings and ordering examples, see page 519.

For PPS ... DIN rail profile cutters, see page 370.

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.



Unperforated, zinc plated, 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 - 15 x 5.5 mm, galvanized and thick layer passivated, supply length: 2 m	silver
DIN rail, unperforated , in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length according to customer specifications ¹⁾	silver
DIN rail, unperforated , in acc. with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length acc. to customer specifications and provided with mounting holes ²⁾	silver
DIN rail, perforated , in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, supply length: 2 m	silver
DIN rail, perforated , in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length according to customer specifications ¹⁾	silver
DIN rail, perforated , dimensions according to EN 60715 - 15 x 5.5 mm, white passivated, low design, supply length: 2 m	white
DIN rail, perforated , dimensions in acc. with EN 60715 - 15 x 5.5 mm, supply length: 2 m, material: aluminum	silver

Type	Order No.	Pcs. / Pkt.
NS 15 UNPERF 2000MM	1401695	5
NS 15 UNPERF/...	1208089	1
NS 15 UNPERF/SO/...	1208092	1



Perforated, zinc plated, and thick layer passivated



Perforated, white passivated



Perforated, 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

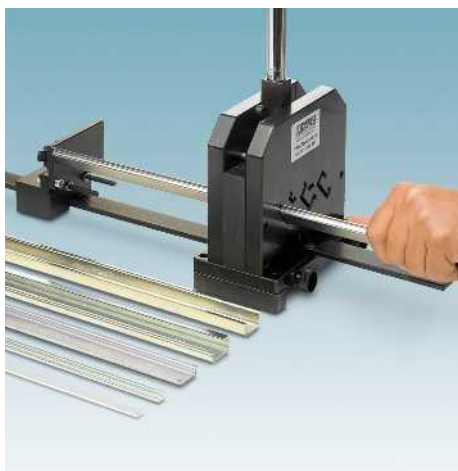
Ordering data

Type	Order No.	Pcs. / Pkt.
NS 15 AL PERF 2000MM	1401763	5

Installation and mounting material - CABINET add-on

Component mounting

DIN rails NS 35, flat design



- The design of the DIN rails complies with European standard EN 60715
- Particular attention has been paid to a high degree of dimensional accuracy and surface tempering
- All DIN rails are also available cut to length

The DIN rails are available with various surface coatings and are suitable for the following applications:

- Zinc plated, for indoor applications
- White passivated, for indoor applications
- Zinc plated and thick layer passivated, for indoor and protected outdoor applications
- Aluminum; as a result of their improved conductivity, these versions can also be used as PEN busbars

Notes:

For dimensional drawings and ordering examples, see page 519.

For PPS ... DIN rail profile cutters, see page 370.

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.



Unperforated, zinc plated, 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 acc. with EN 60715 - 35 x 7.5 mm, galvanized and passivated with a thick layer, low design, supply length: 2 m	silver
DIN rail, unperforated , according to EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, supply length: 1 m	silver
DIN rail, unperforated , in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications ¹⁾	silver
DIN rail, unperforated , in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications and provided with mounting holes ²⁾	silver
DIN rail, unperforated , dimensions according to EN 60715 - 35 x 7.5 mm, white passivated, low design, supply length: 2 m	white
DIN rail, unperforated , dimensions in acc. with EN 60715 - 35 x 7.5 mm, galvanized, low design, supply length: 2 m	silver
DIN rail, unperforated , dimensions in acc. with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, Material: copper	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 piece

for DIN rail NS35/7.5

Accessories

NS 35/ 7,5 CAP	1206560	100
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Unperforated, white passivated



Unperforated, zinc plated



Unperforated, copper

Technical data		
Steel / galvanized, white passivated		

Ordering data		
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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		
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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		
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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 519.

For PPS ... DIN rail profile cutters, see page 370.



Unperforated, aluminum



Unperforated, stainless steel

General data

Material / coating

Technical data

Aluminum / uncoated

Technical data

Stainless steel V2A / uncoated

Ordering data

Type	Order No.	Pcs. / Pkt.
NS 35/ 7,5 AL UNPERF 2000MM	0801704	5

Ordering data

Type	Order No.	Pcs. / Pkt.
NS 35/ 7,5 V2A UNPERF 2000MM	0801377	5

Accessories

NS 35/ 7,5 CAP	1206560	100
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Accessories

NS 35/ 7,5 CAP	1206560	100
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Description	Color
DIN rail, unperforated , dimensions in acc. with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, Material: aluminum	silver
DIN rail, unperforated , dimensions in acc. with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, Material: high-grade steel V2A	silver

DIN rail end piece
for DIN rail NS35/7.5

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 370.



Perforated, zinc plated, and thick layer passivated



Perforated, zinc plated

General data

Material / coating

Technical data

Steel / galvanized, passivated with a thick layer

Technical data

Steel / galvanized

Ordering data

Description

silver

DIN rail, perforated, in acc. with EN 60715 - 35 x 7.5 mm, galvanized and passivated with a thick layer, low design, supply length: 2 m

DIN rail, perforated, according to EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, supply length: 1 m

silver

DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, for cabinet width / depth of 0.8 m

Length: 755 mm

silver

For cabinet width / depth of 1.2 m, supply length: 1155 mm

silver

DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications¹⁾

silver

DIN rail, perforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, galvanized, low design, supply length: 2 m

silver

DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, for cabinet width / depth of 0.8 m

Length: 755 mm

silver

DIN rail end piece

for DIN rail NS35/7.5

Type

Order No.

Pcs. / Pkt.

NS 35/ 7,5 PERF 2000MM

0801733

5

NS 35/ 7,5 PERF 1000MM

1207651

20

NS 35/ 7,5 PERF 755MM

1207640

10

NS 35/ 7,5 PERF 1155MM

1207666

10

NS 35/ 7,5 PERF/...

1208131

1

Type

Order No.

Pcs. / Pkt.

NS 35/ 7,5 ZN PERF 2000MM

1206421

5

NS 35/ 7,5 PERF 755MM

1207640

10

Accessories

NS 35/ 7,5 CAP

1206560

100

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 519
For PPS ... DIN rail profile cutters, see page 370
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.



Unperforated, zinc plated, and thick layer passivated



Unperforated, white passivated

General data

Material / coating

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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Description	Color
DIN rail, unperforated , in acc. with EN 60715 - 35 x 15 mm, galvanized and passivated with a thick layer, tall design, supply length: 2 m	silver
DIN rail, unperforated , according to EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, low design, supply length: 1 m	silver
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, cut to length according to customer specifications ¹⁾	silver
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, cut to length according to customer specifications and provided with mounting holes ²⁾	silver
DIN rail, unperforated , similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, white passivated, tall design, supply length: 2 m	white
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, tin-plated, tall design, supply length: 2 m	silver
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, tall design, supply length: 2 m, Material: copper	copper-colored
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, 2.3 mm thick, galvanized and thick layer passivated, tall design, for universal cut, supply length: 2 m	silver

for DIN rail NS35/15



Unperforated, zinc plated



Unperforated, copper



Unperforated, zinc plated, 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

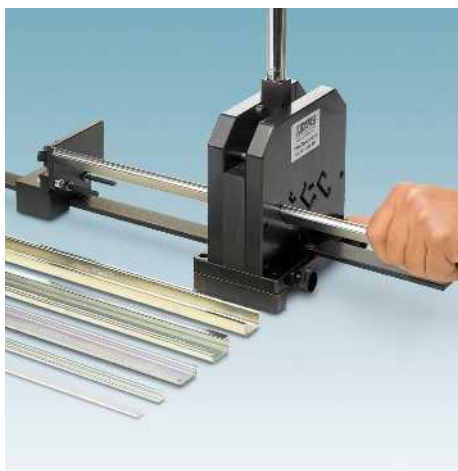
Type	Order No.	Pcs. / Pkt.
NS 35/15-2,3 UNPERF 2000MM	1201798	5

Accessories

--	--	--

Component mounting

NS 35 DIN rails, tall design, perforated



- The design of the DIN rails complies with European standard EN 60715
- Particular attention has been paid to a high degree of dimensional accuracy and surface tempering
- All DIN rails are also available cut to length

The DIN rails are available with various surface coatings and are suitable for the following applications:

- Zinc plated, for indoor applications
- White 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

Notes:

For dimensional drawings and ordering examples, see page 519.

For PPS ... DIN rail profile cutters, see page 370.

¹⁾ Please specify the desired length in millimeters when placing your order. See order example.



Perforated, zinc plated, and thick layer passivated

General data

Material / coating

Description

Color

DIN rail, perforated, in acc. with EN 60715 - 35 x 15 mm, galvanized and passivated with a thick layer, tall design, supply length: 2 m

silver

DIN rail, perforated, according to EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 1 m

silver

DIN rail, perforated, in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, for cabinet width / depth of 0.8 m

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 in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 2 m, cut to length according to the customer specifications¹⁾

silver

DIN rail, perforated, according to EN 60715 - 35 x 15 mm, white passivated, tall design, supply length: 2 m

white

DIN rail, perforated similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, tin-plated, tall design, supply length: 2 m

silver

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	20
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



Perforated, white passivated



Perforated, zinc plated

Technical data		
Steel / galvanized, white passivated		
Ordering data		
Type	Order No.	Pcs. / Pkt.
NS 35/15 WH PERF 2000MM	0806602	5

Technical data		
Steel / galvanized		
Ordering data		
Type	Order No.	Pcs. / Pkt.
NS 35/15 ZN PERF 2000MM	1206599	5

Component mounting

NS 32 DIN rails

Notes:

For PPS ... DIN rail profile cutters, see page 370.



NS 32 DIN rail

General data

Material / coating

Description

Color

DIN rail, unperforated, in accordance with EN 60715 - G32, supply length: 2 m, galvanized and thick layer passivated

silver

DIN rail, perforated, in accordance with EN 60715 - G32, galvanized and thick layer passivated, supply length: 2 m

silver

Technical data

Steel / galvanized, passivated with a thick layer

Ordering data

Type	Order No.	Pcs. / Pkt.
NS 32 UNPERF 2000MM	1201015	5
NS 32 PERF 2000MM	1201002	5

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 519.



NS 35, 15 mm high DIN rail with slide nut guide

Dimensions

[mm]

General data

Material

Description

Color

DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, supply length: 2 m

silver

DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, cut to length according to customer specifications

silver

Slide nut, for DIN rail NS 35/15-AL, for fixing devices, **material:** Steel

M4

silver

M5

silver

M6

silver

Technical data

Width Length Height

35 2000 15

Aluminum

Ordering data

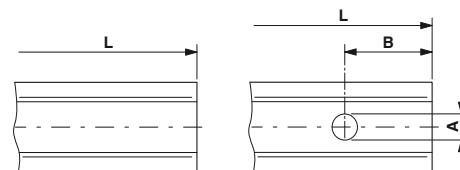
Type	Order No.	Pcs. / Pkt.
NS 35/15 AL UNPERF 2000MM	1201756	5
NS 35/15 AL UNPERF/...	1210213	1
GLM 4	1201769	100
GLM 5	1201772	100
GLM 6	1201785	100

Example configuration for NS 35/15 UNPERF/SO/...:

(minimum order quantity 20 units)

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 information must be given:

Item	Order No.	Length in mm	Dim. A	Dim. B	Dim. C
20	1208157	550	6	50	20

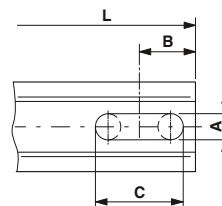


Example configuration for NS 35/7,5 UNPERF/...:

(minimum order quantity 20 units)

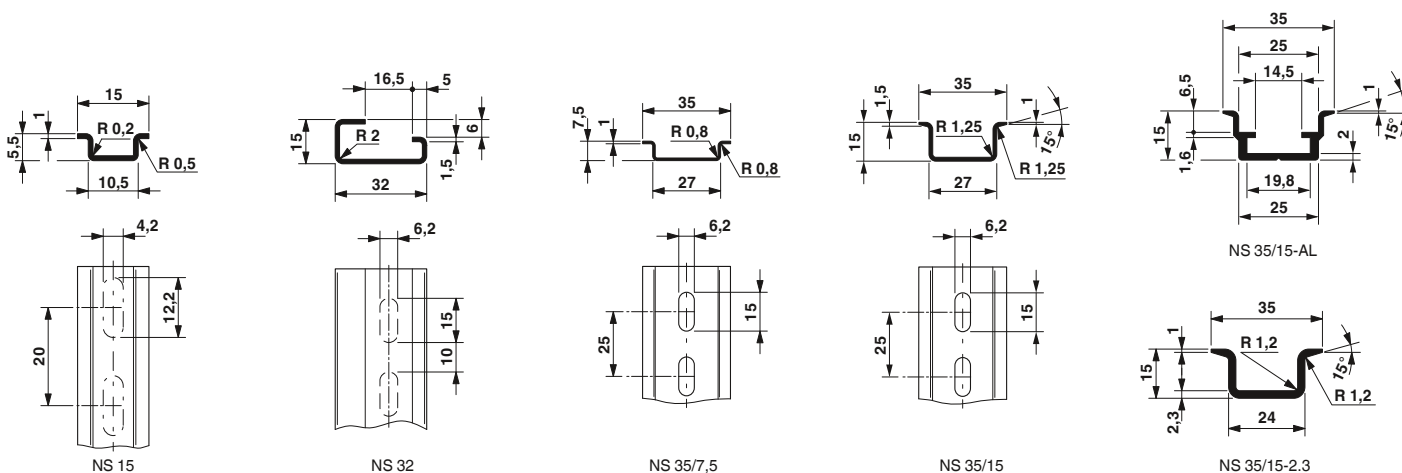
When ordering 20 unperforated NS 35/7,5 DIN rails without end holes with a length of 1750 mm, the following information must be given:

Item	Order No.	Length in mm
20	1208115	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



Installation and mounting material - CABINET add-on

Component mounting

Snap-on end bracket, for NS 15 and NS 35 DIN rails

- Phoenix Contact has engineered its CLIPFIX end brackets to maintain a secure grip on the various DIN rail systems
- Design 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	[mm]
General data	
Material	
Inflammability class according to UL 94	

Technical data		
Width	Length	Height
5.2	22	22.6
PA		
V2		

Ordering data		
Type	Order No.	Pcs. / Pkt.
CLIPFIX 15	3022263	50

Technical data		
Width	Length	Height
5.15	48.5	35
PA		
V2		

Ordering data		
Type	Order No.	Pcs. / Pkt.
CLIPFIX 35-5	3022276	50
CLIPFIX 35	3022218	50

Screw-on end bracket, for NS 35 and NS 32 DIN rails

- With universal foot for NS 35 and NS 32 DIN rails
- High 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	[mm]
General data	
Material	
Tightening torque	[Nm]
Inflammability class according to UL 94	

Technical data		
Width	Length	Height
9.5	50.5	35.3
PA		
0.4 - 0.5		
V2		

Ordering data		
Type	Order No.	Pcs. / Pkt.
E/UK	1201442	50

Technical data		
Width	Length	Height
10	55.5	50
PA		
0.4 - 0.5		
V2		

Ordering data		
Type	Order No.	Pcs. / Pkt.
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

Dimensions	
	[mm]
General data	
Material	PA
Tightening torque	[Nm] 0.4 - 0.5
Inflammability class according to UL 94	V2
Description	Color
End clamp , to snap on NS 15, for slide-on miniature terminal blocks, can be fastened with a screw, can be marked with KLM 1	
	gray
End clamp , to screw on NS 15, 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



For NS 15 DIN rail

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 DIN rail

- The E/AL-NS 35 provides optimum support for large terminals and devices
- Large area for marking



For NS 35 DIN rail

Dimensions	
	[mm]
General data	
Material	PA
Tightening torque	[Nm] 0.4 - 0.5
Inflammability class according to UL 94	V2
Description	Color
End clamp , to screw on 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 mm ² terminal blocks, can be marked with ZB 10, for mounting on NS 35...	
	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



For terminal blocks from 50 mm² on NS 35 DIN rails

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

Installation and mounting material - CABINET add-on

Component mounting

Marking for terminal strips

- The KLM has been specially developed for the CLIPFIX end brackets
- The precise engagement mechanism allows infinite adjustment of the marking area height
- The KLM 3-L is suitable for multi-level terminal blocks and can be cut at two defined points



For CLIPFIX end brackets, can be marked with snap-on label

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

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

Marking for terminal strips



For E/MK and E/MBK end brackets

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

General data	
Material	
Inflammability class according to 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	
Lettering field size: 24 x 4 mm, 5000 labels p. roll	white
Lettering field size: 25 x 6 mm, 5000 labels per roll	white

Marking for terminal strips



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



For end bracket and DIN rail mounting

General data

Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Components	

Technical data

ABS
HB
-40 ... 80
Free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
KLM-A	1004348	100

Description

Terminal strip markers, for strip marking, adjustable height, for use with end clamps E/UK, E/NS 35 N or CLIPFIX 35, lettering field: 44 x 7 mm

Terminal strip marker carriers, for marking terminal groups, for end bracket E/UK, lettering field: 40 x 17 mm
Hood material: PE

Terminal strip marker carrier, for marking terminal block groups, for assembly on NS 32... or NS 35... DIN rail, lettering field size: 40 x 17 mm
Hood material: PE

Accessories

Insert strip for thermal transfer printer , for terminal strip marker UBE/D or UBE Lettering field size: 40 x 17 mm, 2300 labels per roll	white
Insert strip for laser printer , perforated, for terminal strip marker KLM-A Lettering field size: 44 x 7 mm Lettering field size: 40 x 17 mm, 1 sheet = 56 labels	white

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
UBE	0800310	10
UBE/D	0800307	10

Accessories

EMT (40X17)R	0817293	1
ESL 40X17	0808095	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, high

Dimensions	[mm]
General data	
Material	

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

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

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	

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	84	12
Steel		

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

Technical data		
Width	Length	Height
20	37	15
Steel		

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

Universal adapter

- 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

Dimensions		Technical data		
	[mm]	Width	Length	Height
		10	42.6	19
General data		PA		
Material		V2		
Inflammability class according to UL 94				
Description		Ordering data		
	Color	Type	Order No.	Pcs. / Pkt.
Universal rail adapter , for NS 35... or NS 32... DIN rail, for accommodation of switching devices, 10 mm wide				
For M3 screws	gray	USA 10	1201578	10
For M5 screws	gray	USA 10/4,6	1202713	10

Mounting accessories

- The support bracket can be used for totally 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



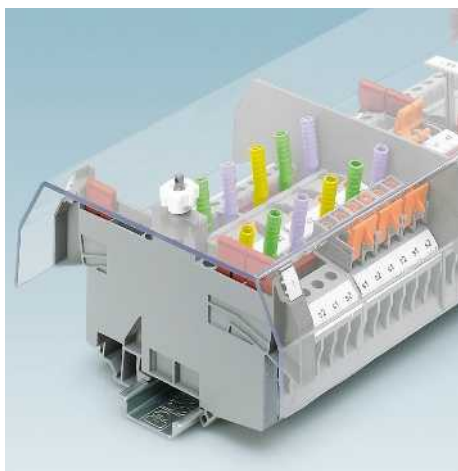
Protective caps for DIN rails

Dimensions		Technical data		
	[mm]	Width	Length	Height
		38	35	21
General data		PA		
Material		V2		
Inflammability class according to UL 94				
Description		Ordering data		
	Color	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 piece				
for DIN rail NS35/7.5	gray			
for DIN rail NS35/15	gray			

Dimensions		Technical data		
	[mm]	Width	Length	Height
		7	37.5	9
General data		PP		
Material		HB		
Inflammability class according to UL 94				
Description		Ordering data		
	Color	Type	Order No.	Pcs. / Pkt.
NS 35/... CAP				
		NS 35/ 7,5 CAP	1206560	100
		NS 35/15 CAP	1206573	100

Component mounting

Cover profiles



- Cover profiles provide protection against unauthorized use of terminal strips
- This profile has been specially adapted to the contour of the measuring transducer disconnect terminal blocks
- The cover can be securely snapped onto the corresponding APH-ME end brackets and sealed as an option
- The AH-ME cover, which is enclosed on all sides, is snapped onto the end brackets and can be optionally sealed



Cover profile and hood, sealable

General data	
Material	PVC
Temperature range	-15 ... 65 [°C]

Technical data

PVC
-15 ... 65

Description	Color
Cover profile, supply length 1 m	transparent
Cover profile, please specify the desired length in cm	transparent
Covering hood, for the contact and dust-protected encapsulation of the components	transparent

Ordering data

Type	Order No.	Pcs. / Pkt.
AP-ME METER	3034361	10
AP-ME CM	3034345	1
AH-ME	3240265	5

Holder for AP-ME cover profiles

- The APH-ME end bracket is used in conjunction with the AP-ME cover
- It provides facilities for retaining FBS ...-8 plug-in bridges and is optionally sealable
- The APT-ME holder serves as a partition plate or intermediate support in the case of long terminal strips



Cover profile end bracket, sealable



Cover profile holder

General data	
Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 115 [°C]

Technical data

PA
V2
-40 ... 115

Ordering data

Type	Order No.	Pcs. / Pkt.
APH-ME	3034374	10

Technical data

PA
V2
-40 ... 115

Ordering data

Type	Order No.	Pcs. / Pkt.
APT-ME	3034358	10

Description	Color
End bracket, for AP-ME cover profile	gray
Holder, for AP-ME cover profile	gray

Cover profiles

- Cover profiles provide protection against unauthorized use of terminal strips
- Large-area marking possible with AP-ES insert strips

Notes:

¹⁾ When ordering please specify the desired length in cm.
Accuracy 1 mm.



Cover profile mounting on a DIN rail



Cover profile for mounting on end bracket

General data	
Material	PVC
Inflammability class according to UL 94	V2
Temperature range	-15 ... 65 [°C]
Description	
Color	
Cover profile , for terminal strips, can be marked with insert strips AP-ES, a cover profile carrier should be placed at the ends and at intervals of approx. 40 cm, maximum supply length: 1 m ¹⁾	
Can be snapped onto cover profile carrier AP 2-TU	transparent
Can be snapped onto AP 3-TU or AP 3-TNS 35	transparent
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
	gray
Sealable cover profile , for mounting on NS 35 DIN rail, for fixing the cover profile AP 3, with plastic knurled nut M5, space requirement: 13 mm	
	gray
U-shaped cover , Inner dimensions: 100 x 38 mm, 2 mm thick, maximum supply length: 2.05 m, also required: 2 end brackets E/UK and 2 cover holders VAH, made acc. to length specifications ¹⁾	
	transparent
Adjustable cover holder , for mounting covers (up to 3 mm thick), additional requirements: One end bracket E/UK or CLIPFIX 35, material PA	
	gray
Insert strips , for group marking, for sliding into the cover profile AP 2 and AP 3, cardboard, lettering field: 35 x 500 mm	
	white

Technical data		
Ordering data		
Type	Order No.	Pcs. / Pkt.
AP 2 CM	5022889	1
AP 3 CM	5022876	1
AP 2-TU	5022630	50
AP 3-TU	5022656	50
AP 3-TNS 35	5022672	10
AP-ES	5022685	10

Technical data		
Polycarbonate PC		
V2		
-40 ... 115		
Ordering data		
Type	Order No.	Pcs. / Pkt.
A/U CM	5021110	1
VAH	1201468	10

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		
Inflammability class according to 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 neutral terminal, 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 terminals, snap fit	transparent	EA 5	1024014	100
Single cover, for covering the UK 16 neutral terminal, 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 terminals, snap fit, black print: Lightning flash	yellow	EA 5-WS	1024085	100
Single cover, for covering the UK 35, UIK 35 terminal, 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

Material	
Inflammability class according to UL 94	
Temperature range	[°C]
Components	

Technical data

Polycarbonate PC
V2
-40 ... 115
Free from silicone and halogen

Description

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

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

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

Ordering data

Type	Order No.	Pcs. / Pkt.
APK 1	5022795	10
APK-HP 2 METER	5022818	2
APK-TU	5022805	10

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	
	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		
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

There is a choice of three support frames available 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 shield conn. terminal blocks SK



Support bracket, multi-level, insulated

Dimensions	[mm]
General data	
Material	
Inflammability class according to UL 94	

Description	Color
Support bracket , insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars	
	gray
Double support bracket , insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar, height: 48 mm	
Height 48 mm	gray
Height 36.8 mm	gray
Triple support bracket , made from isolation 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

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

Power terminals



10 (16) mm², 76 A, power terminal



35 (35) mm², 125 A, power terminal

Dimensions	[mm]
Max. electrical data	
Rated data	
Nominal current / cross section	[A] / [mm²]
Connection capacity	
1 conductor	[mm²]
2 conductors (of the same type)	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]

Technical data			
Width	Length	Height	
8	40	36	
I _{max.} [A]		max. Ø [mm ²]	AWG (UL)
76		0.5 - 16	-
IEC	UL	CSA	IEC/ EN 60079-7
57 / 10	-	-	-
solid	stranded	ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 16	0.5 - 10
0.5 - 10	0.5 - 10	0.5 - 10	-
14			
M5			
2.5 - 3			

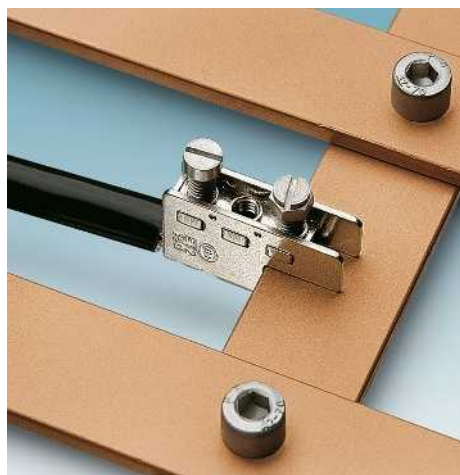
Description	Color
Power terminal, copper, nickel-plated	aluminum

Ordering data			
Type	I _{max}	Order No.	Pcs. / Pkt.
EK 116		0401010	10

Technical data			
Width	Length	Height	
12	40	37	
I _{max.} [A]		max. Ø [mm ²]	AWG (UL)
125		0.75 - 35	-
IEC	UL	CSA	IEC/ EN 60079-7
125 / 35	-	-	95 / 25
solid	stranded	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	-
14			
M6			
3.2 - 3.7			

Ordering data			
Type	I _{max}	Order No.	Pcs. / Pkt.
EK 135		0401023	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 block because the terminal block can be attached and firmly clamped anywhere on a copper rail (up to max. 5 mm thick) later on

Dimensions	[mm]
Max. electrical data	
Rated data	
Nominal current / cross section	[A] / [mm²]
Connection capacity	
1 conductor	[mm²]
2 conductors (of the same type)	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]

Description	Color
Branch terminal block, for connection to copper bars up to 5 mm thick	aluminum



35 (35) mm², 125 A, branch terminal

Technical data			
Width	Length	Height	
12	40	36	
I _{max} [A]		max. Ø [mm²]	AWG (UL)
125		0.75 - 35	-
IEC	UL	CSA	IEC/ EN 60079-7
125 / 35	-	-	-
solid	stranded	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	-
15			
M6			
3.2 - 3.7			

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

Busbars

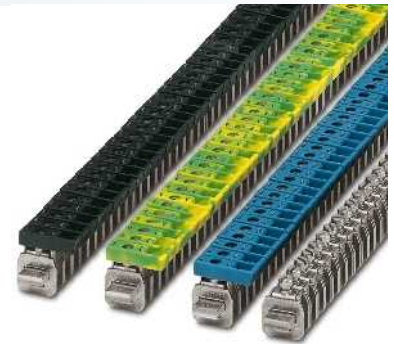
L/N/PE connection terminal blocks



– 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 in several ways:

- Through individual marking of each terminal block
- By their blue, green-yellow or black colored housings
- Large marking possible with ZB, UC-TM, UCT-TM



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

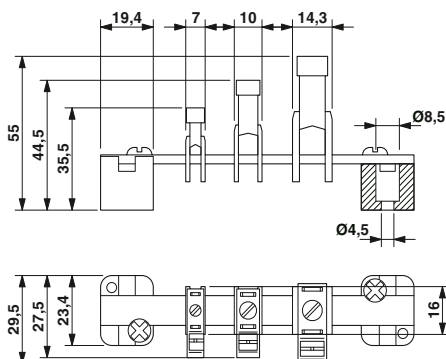


Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
2 conductors (of the same type)	[mm²]
2 stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

Technical data			
Width	Length	Height	
7	23.7	23.6	
I _{max} [A]	U _{max} [V]	max. Ø [mm²]	AWG (UL)
41	300	0.5 - 6	22-12
IEC	UL	CSA	IEC/ EN 60079-7
300	300	-	-
41 / 4	20 / -	-	-
4	-	-	-
20 - 10	22-12	-	-
solid	stranded	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 mm² solid, 7 mm wide	green-yellow
Up to 6 mm² solid, 7 mm wide	blue
Without insulating cap	silver
Connection terminal block , steel, pushed onto NLS neutral busbar, can be marked with ZB ...	black
Up to 16 mm² solid, 10 mm wide	green-yellow
Up to 16 mm² solid, 10 mm wide	blue
Without insulating cap	silver
Connection terminal block , steel, pushed onto NLS neutral busbar, can be marked with ZB ...	black
Up to 35 mm² solid, 14.3 mm wide	green-yellow
Up to 35 mm² solid, 14.3 mm wide	blue
Without insulating cap	silver

Type	I _{max}	Order No.	Pcs. / Pkt.
AKG 4 BK		0421032	50
AKG 4 GNYE		0421029	50
AKG 4 BU		0421016	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	23.7	29	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
76	300	1.5 - 16	18-6
IEC	UL	CSA	IEC/ EN 60079-7
300	300	-	-
76 / 16	50 / -	65 / -	-
16	-	-	-
16 - 6	18-6	18-6	-
solid	stranded	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	39	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
125	300	2.5 - 35	18-2
IEC / EN	UL	CSA	IEC/ EN 60079-7
300	300	-	-
125 / 35	115 / -	135 / -	-
35	-	-	-
14 - 2	18-2	18-2	-
solid	stranded	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
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
AK 35		0404046	50

Connection terminal blocks and sockets

Europe connectors

Notes:

For more variants, see phoenixcontact.net/products.



- 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

Dimensions	
	[mm]
Max. 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 stranded conductors with a TWIN ferrule	[mm ²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

Description	Color
Europe connector, 12-pos., with wire protection	transparent



2.5 (2.5) mm², 24 A, 12-pos.



Technical data			
Width	Length	Height	
16.2	93.6	13.4	
I _{max} [A]	U _{max} [V]	max. Ø [mm²]	AWG (UL)
24	450	0.5 - 2.5	22-12
IEC	UL	CSA	IEC/ EN 60079-7
450	300	-	-
24 / 2.5	20 / -	-	-
2.5	-	-	-
20 - 14	22-12	-	-
solid	stranded	ferrule without/with plastic sleeve	
0.5 - 2.5	0.5 - 2.5	0.5 - 1.5	0.5 - 1
0.5 - 0.75	0.5 - 0.75	-	-
-	-	-	0.5
5			
M2,6			
0.4 - 0.5			
PA			
V2			
Ordering data			
Type	Order No.		Pcs. / Pkt.
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	CSA	IEC/ EN 60079-7
450	300	-	-
32 / 4	30 / -	-	-
4	-	-	-
18 - 12	20-10	-	-
solid	stranded	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			



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	CSA	IEC/ EN 60079-7
450	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
16 - 10	14-8	-	-
solid	stranded	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			



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	CSA	IEC/ EN 60079-7
450	300	-	-
76 / 16	55 / -	-	-
16	-	-	-
10 - 6	10-6	-	-
solid	stranded	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 4 P TR	3240171	10

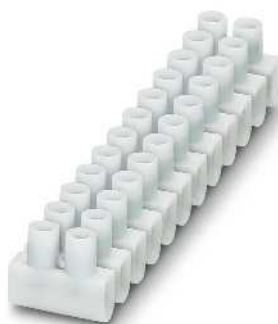
Ordering data		
Type	Order No.	Pcs. / Pkt.
EC 6 P TR	3240175	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
EC 16 P TR	3240182	10

Connection terminal blocks and sockets

Europe connectors

- These Europe connectors are suitable for solid and stranded conductors with a max. cr. sect. of 25 mm²
- The prismatic clamping part facilitates conductor entry and secure contact can be established even in the case of conductors without ferrules
- The polypropylene insulating housing allows individual positions to be disconnected simply by twisting and without the need for tools
- 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]
Max. 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 stranded conductors with a TWIN ferrule	[mm ²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	

Width	Length	Height		
16.6	94.9	13		
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)	
32	450	0.5 - 4	-	
IEC	UL	CSA	IEC/ EN 60079-7	
450	-	-	-	
32 / 4	-	-	-	
4	-	-	-	
20 - 12	-	-	-	
solid	stranded	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

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

ERC

Technical data

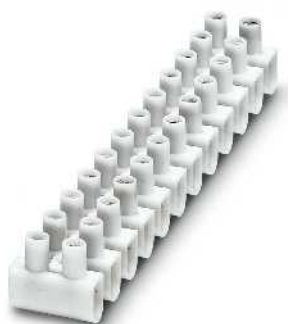
Width	Length	Height		
18.9	116.5	14.9		
I _{max.} [A]	U _{max.} [V]	max. Ø [mm²]	AWG (UL)	
41	450	0.75 - 6	-	
IEC	UL	CSA	IEC/ EN 60079-7	
450	-	-	-	
41 / 6	-	-	-	
6	-	-	-	
18 - 10	-	-	-	
solid	stranded	ferrule without/with plastic sleeve		
0.75 - 6	0.75 - 6	0.75 - 4	0.75 - 2.5	
0.75 - 1.5	0.75 - 1.5	0.5 - 1	-	
-	-	-	0.5 - 1	
6				
M3				
0.5 - 0.6				
PP				

Ordering data

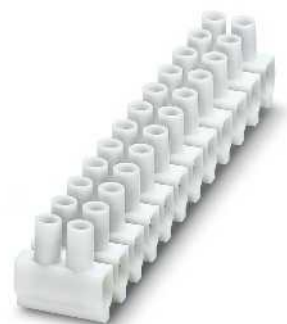
Type	Order No.	Pcs. / Pkt.
EC 6	3240172	10
EC 6 BK	3240173	10



10 (10) mm², 57 A, 12-pos.



16 (16) mm², 76 A, 12-pos.



25 (25) mm², 101 A, 12-pos.

ERC

ERC

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	CSA	IEC/ EN 60079-7
450	-	-	-
57 / 10	-	-	-
10	-	-	-
16 - 8	-	-	-
solid	stranded	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			

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	CSA	IEC/ EN 60079-7
450	-	-	-
76 / 16	-	-	-
16	-	-	-
14 - 6	-	-	-
solid	stranded	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			

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	CSA	IEC/ EN 60079-7
750	-	-	-
101 / 25	-	-	-
25	-	-	-
8 - 4	-	-	-
solid	stranded	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 10	3240176	10
EC 10 BK	3240177	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
EC 16	3240179	10
EC 16 BK	3240180	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
EC 25	3240183	10
EC 25 BK	3240184	10



- Thanks to their push-in connection method, the three junction box connectors available from Phoenix Contact enable wiring to be installed under the tightest of conditions without the need for tools
- Solid single-strand conductors with a cross section range of 0.5 mm² to 2.5 mm² can be connected
- Solid multi-strand conductors (7 litz wires) with a cross section range of 1.5 mm² to 2.5 mm² can be safely connected
- Different cross sections can be 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.

ERC

Dimensions	
	[mm]
Max. 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	
Inflammability class according to UL 94	

Description	Color
Plug-in terminal block, 3-pos.	transparent
5-pos.	transparent
8-pos.	transparent

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	CSA	IEC/EN 60079-7
450	-	-	-
24 / 2.5	-	-	-
2.5	-	-	-
20 - 14	-	-	-
Connection capacity		ferrule	
solid	stranded	without/with plastic sleeve	
0.5 - 2.5	1.5 - 2.5	-	-
General data			
8			
PC/PA			
V2			

Ordering data		
Type	Order No.	Pcs. / Pkt.
JBC 2,5/3	3240164	100



2.5 (2.5) mm², 24 A, 5-pos.



2.5 (2.5) mm², 24 A, 8-pos.



Technical data			
Width	Length	Height	
26	15.6	8.9	
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
24	450	0.5 - 2.5	-
IEC	UL	CSA	IEC/ EN 60079-7
450	-	-	-
24 / 2.5	-	-	-
2.5	-	-	-
20 - 14	-	-	-
solid	stranded	ferrule without/with plastic sleeve	
0.5 - 2.5	1.5 - 2.5	-	-
8			
PC/PA			
V2			

Technical data			
Width	Length	Height	
39.2	15.6	8.9	
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
24	450	0.5 - 2.5	-
IEC	UL	CSA	IEC/ EN 60079-7
450	-	-	-
24 / 2.5	-	-	-
2.5	-	-	-
20 - 14	-	-	-
solid	stranded	ferrule without/with plastic sleeve	
0.5 - 2.5	1.5 - 2.5	-	-
8			
PC/PA			
V2			

Ordering data		
Type	Order No.	Pcs. / Pkt.
JBC 2,5/5	3240165	100

Ordering data		
Type	Order No.	Pcs. / Pkt.
JBC 2,5/8	3240166	50

Connection terminal blocks and sockets

Sockets with 45 mm standard pitch



It is equally important in modern switchgears as in simple distributions: the rail-mountable socket in standard format.

The socket is mounted in an exposed position to allow mounting tools, service devices and other electrical equipment to be installed comfortably.

The mains connecting terminal blocks (L1, N and PE) are arranged on one side of the socket for easy connection. All SD sockets are supplied with equipment marker tags. Additional equipment marker tags are available for the EMG housings.

The 45 mm socket is available with or without a miniature fuse. There is a 6.3 A fine fuse (5 x 20 mm) for protection.

System parts, in which items are still live even after the main switch has been turned off, must be marked in accordance with DIN VDE 0105-1 and IEC 60204-1/EN 60204-1/DIN VDE 0113-1 as well as the Accident Prevention Regulation VBG 4. In this case, a socket version in a yellow housing is available.

The sockets with a 45 mm standard pitch and with 90 mm double housings can be quickly snapped onto the 35 mm DIN rail in accordance with EN 60715.

For the sockets, you can choose between the following versions:

- Screw or Spring-Cage Connection
- with or without light indicator
- Grounding connector, Belgian, French or USA version
- Housing: green, yellow or light gray

With the VS-SI-SD... socket inserts, the sockets can be integrated into the IP65 VS-SI-EB-EMV-1 mounting frame, for example. For further information, visit phoenixcontact.net/products.

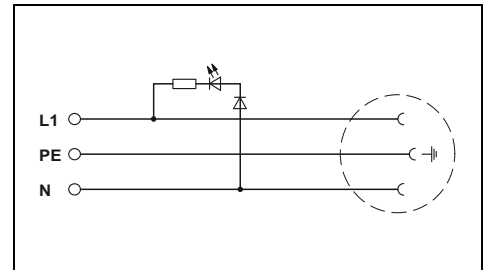
Notes:

Type of housing:
SD-... Polyamide non-reinforced PA
EMG...-SD: polycarbonate fiber reinforced PCF
EM-DUO... PVC 94 V0
Socket insert Aminoplast type 131

For approvals and dimensional drawing, visit phoenixcontact.net/products



Germany



Technical data

Nominal voltage
 Max. continuous current

General data

Dimensions W / H / D
 Connection data solid / stranded / AWG
 Standards/regulations
 Contact material
 Ambient temperature range
 Standards/regulations

250 V AC
 16 A

SD-D... and EMG 45... EMG 90...
 45 mm / 75 mm / 65.2 mm 90 mm / 75 mm / 70.5 mm
 0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12
 IP20
 CuZn37
 -20°C ... 60°C
 IEC 83 , DIN 49440-1

Ordering data

Description

Socket for the DIN rail

Screw connection, light indicator, green
 Screw connection, light indicator, gray
 Screw connection, light indicator, yellow
 Screw connection, green
 Screw connection, gray
 Screw connection, yellow
 Spring-cage connection, light indicator, green
 Spring-cage connection, light indicator, gray
 Spring-cage connection, light indicator, yellow
 Spring-cage connection, green
 Spring-cage connection, gray
 Spring-cage connection, yellow

Socket for the DIN rail with device fuse (5 x 20 mm, 6.3 A)

Screw connection, light indicator, green
 Screw connection, light indicator, yellow

Double socket for the DIN rail

Screw connection, light indicator, green
 Screw connection, gray
 Screw connection, residual current circuit breaker, gray

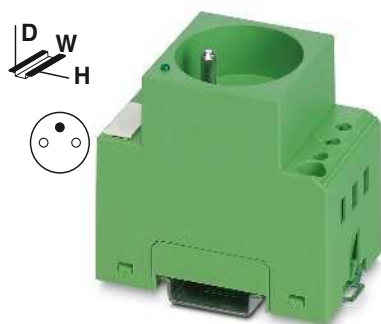
Type	Order No.	Pcs. / Pkt.
SD-D/SC/LA	2964898	5
SD-D/SC/LA/GY	2963491	5
SD-D/SC/LA/YE	2963404	5
SD-D/SC	2963310	5
SD-D/SC/GY	2963815	5
SD-D/SC/YE	2963459	5
SD-D/SP/LA	2963307	5
SD-D/SP/LA/GY	2963488	5
SD-D/SP/LA/YE	2963475	5
SD-D/SP	2963323	5
SD-D/SP/GY	2963501	5
SD-D/SP/YE	2963462	5
EMG 45-SD-D/LA/SI	2943738	5
EMG 45-SD-D/LA/SI YE	2940825	5
EMG 90-2SD-D/LA	2941523	2

Accessories

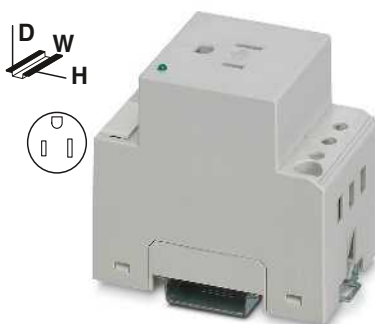
Marker tags, 5-section, unprinted, marking with X-PEN, B-STIFT, plotter or BKMT 20 x 8 label

Lettering field size: 20 x 8 mm white
 Lettering field size: 20 x 8 mm yellow
marked according to customer specifications white

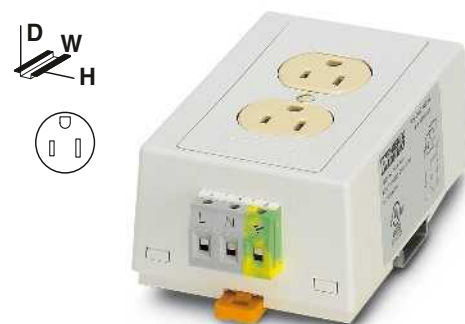
SS-ZB WH	5031171	50
SS-ZB YE	5031650	50
SS-ZB WH CUS	0824470	1



France/Belgium



USA

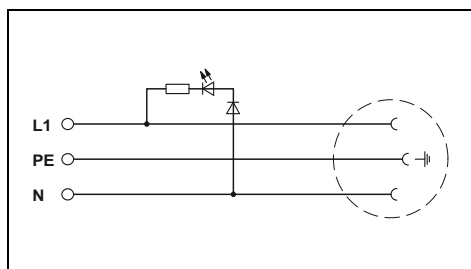


USA

ERC

ERC

ERC



Technical data

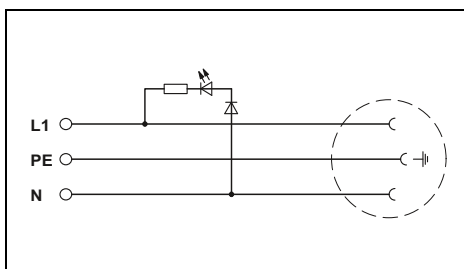
250 V AC
16 A
SD-F...
45 mm / 75 mm / 70.5 mm
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12
IP20
CuZn37
-20°C ... 60°C
IEC 83 , DIN 49440-1

Ordering data

Type	Order No.	Pcs. / Pkt.
SD-F/SC/LA	2963336	5
SD-F/SC/LA/GY	2963844	5
SD-F/SC/LA/YE	2963909	5
SD-F/SC	2963352	5
SD-F/SC/GY	2963828	5
SD-F/SP/LA	2963349	5
SD-F/SP/LA/GY	2963857	5

Accessories

SS-ZB WH	5031171	50
SS-ZB YE	5031650	50
SS-ZB WH CUS	0824470	1



Technical data

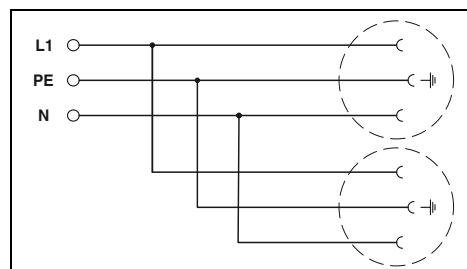
125 V AC
15 A
SD-US...
45 mm / 75 mm / 70.5 mm
0.2 - 4 mm² / 0.2 - 2.5 mm² / 30 - 12
IP20
CuZn37
-20°C ... 60°C
IEC 83 , DIN 49440-1

Ordering data

Type	Order No.	Pcs. / Pkt.
SD-US/SC/LA/GY	2963860	10

Accessories

SS-ZB WH	5031171	50
SS-ZB YE	5031650	50
SS-ZB WH CUS	0824470	1



Technical data

125 V AC
15 A
EM-DUO... EM-DUO.../GFI
83 mm / 134 mm / 49 mm 83 mm / 134 mm / 52 mm
0.2 - 6 mm² / 0.2 - 4 mm² / 30 - 10
IP20
-20°C ... 50°C
UL 508 , CSA 22.2

Ordering data

Type	Order No.	Pcs. / Pkt.
EM-DUO 120/15	5600461	1
EM-DUO/120/15/GFI	5600462	1

Accessories

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Shielding

Shield clamps SK ...

The screw-type shield connection terminal blocks of the SK series are characterized by:

- Simple handling
- Knurled screw
- Spring-loaded, large pressure piece
- Are suited to direct and busbar mounting

Notes:

For dimensional drawings, see page 551.



Shield connection clamps for busbar mounting



Shield connection clamps for direct mounting

ERC

Ordering data

Description	Color
Shield terminal block , 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 1.5-1.8 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 1.5-1.8 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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Shield clamps SKS ...

- The spring shield connection terminal blocks SKS ... 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



Shield connection clamps for busbar and direct mounting



Shield connection clamps for DIN rail mounting

Notes:

For dimensional drawings, see page 551.

ERC

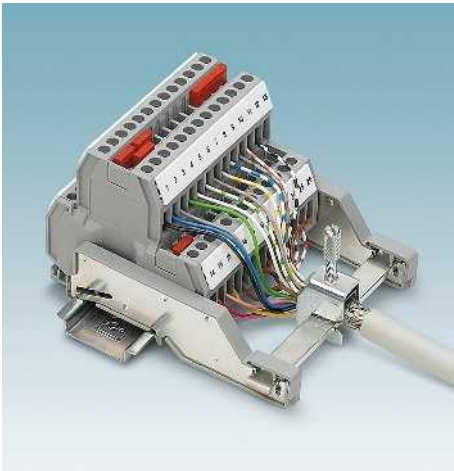
Ordering data		
Type	Order No.	Pcs. / Pkt.
Shield terminal block , for applying the shield to busbars, contact resistance < 1 mΩ		
Ø 3-8 mm silver	SKS 8 3240210	10
Ø 3-14 mm silver	SKS 14 3240211	10
Ø 5-20 mm silver	SKS 20 3240212	10
Shield connection terminal block , for directly applying the shield to conductive mounting plates, metal thickness 1-2 mm, with fastening screw M4		
Ø 3-8 mm silver	SKS 8-D 3240213	10
Ø 3-14 mm silver	SKS 14-D 3240214	10
Ø 5-20 mm silver	SKS 20-D 3240215	10
Shield connection terminal block , 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 terminal block , 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		
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

ERC

Ordering data		
Type	Order No.	Pcs. / Pkt.
Shield connection terminal block , with screwfix, mounting on DIN rail NS 35..., for shield support on busbars		
SKS 8-NS35	3240216	10
SKS 14-NS35	3240217	10
SKS 20-NS35	3240218	10
Shield connection terminal block , with snap-on foot, mounting on DIN rail NS 35..., for shield support on busbars		
SKS 8-SNS35	3062786	10
SKS 14-SNS35	3062799	10
SKS 20-SNS35	3062809	10
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10

Shielding

Support bracket for shield support on one side



AB-SK TOP

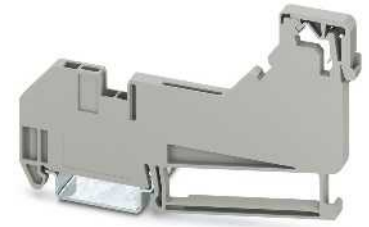
- For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
- The 3 x 10 mm rail can be mounted in the support frames vertically, horizontally and at a 45° angle for optimum conductor placing
- Compact design in a 5.2 mm pitch
- Can be marked with zack marker strip and KLM terminal strip marker ...; see Catalog 5
- Parking facility for plug-in bridges FBS
- End holder function
- For mounting shield connection terminal blocks SK and SKS

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 shield connection terminal blocks SK

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 holder function
- For mounting shield connection terminal blocks SK and SKS



Support bracket frame, tall, for shield connection terminal blocks SK & SKS

Dimensions	[mm]
------------	------

General data
Material

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

Support bracket frame with end holder function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, shield connection terminal blocks SK and SKS

gray

Support bracket with end holder function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for shield connection terminal blocks SK and SKS

gray

Support bracket, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, shield connection terminal blocks SK

gray

Support bracket, 65 mm, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, shield connection terminal blocks SK

gray

Support bracket with end holder function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for shield connection terminal blocks SK and SKS

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		
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Type	Order No.	Pcs. / Pkt.
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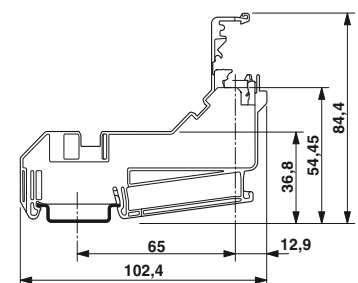
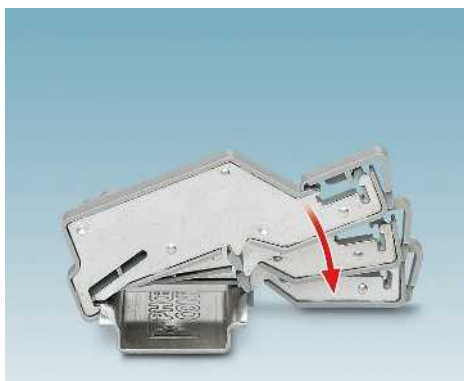
AB-SK TOP	3062090	10
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AB-SK TOP INSULATED	3062074	10
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Accessories		
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NLS-CU 3/10 SN 1000MM	0402174	10
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UC-TM 5, UCT-TM 5 or ZB 5
UC-TMF 5, UCT-TMF 5 or ZBF 5



AB-SK TOP



Support bracket frame, for shield conn. terminal blocks SK



Support bracket, 65 mm long, for shield conn. terminal blocks SK



Isolated support bracket, tall, for shield connection terminal blocks SK and SKS

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		

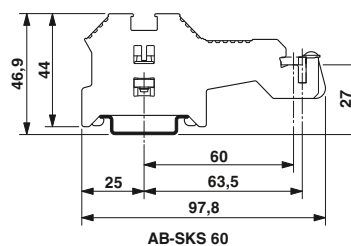
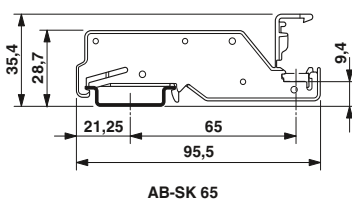
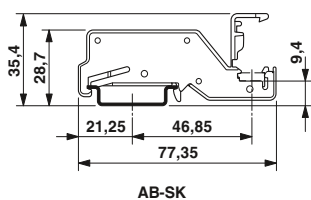
Ordering data		
Type	Order No.	Pcs. / Pkt.
AB-SK 65	3026489	10

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

Technical data		
Width	Length	Height
9.5	97.8	
PA		

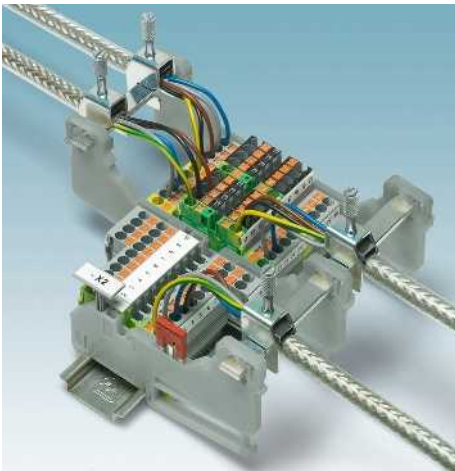
Ordering data		
Type	Order No.	Pcs. / Pkt.
AB-SKS 60	3240223	10

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



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 marker ...; see Catalog 5
- Parking facility for bridges and connectors
- For mounting shield connection terminal blocks SK and SKS

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 shield connection terminal blocks SK

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, shield connection terminal blocks SK and SKS

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 shield connection terminal blocks SK and SKS

gray

Double support bracket, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, shield connection terminal blocks SK

gray

Double support bracket, 65 mm, for mounting on NS 35..., isolated to NS 35... for accommodating 3 x 10 mm busbars, shield connection terminal blocks SK

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	155.8	

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
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AB-SK-D TOP 3062100 10

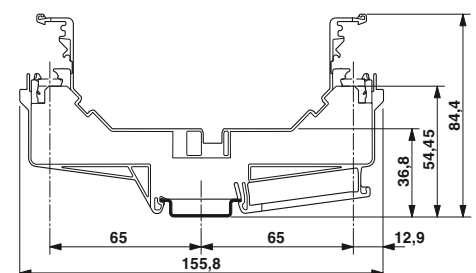
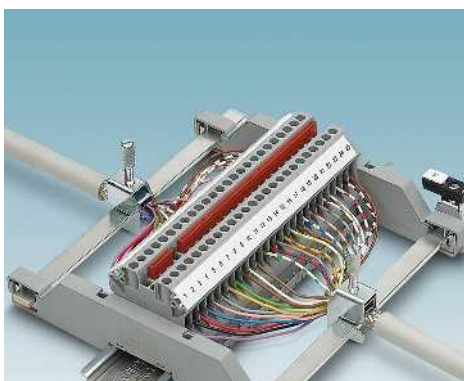
Accessories

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



Double support bracket, tall, for shield connection terminal blocks SK and SKS



AB-SK-D TOP



Isolated, double support bracket, tall, for shield connection terminal blocks SK and SKS



Double support bracket, tall, for shield connection terminal blocks SK



Isolated, double support bracket, tall, for shield connection terminal blocks SK

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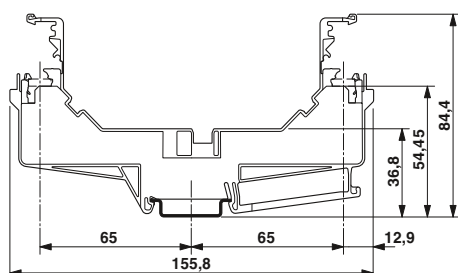
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10

Technical data		
Width	Length	Height
8.2	150	
PA		

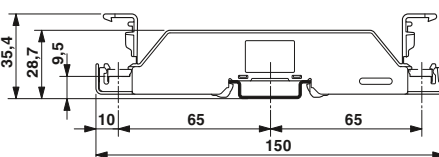
Ordering data		
Type	Order No.	Pcs. / Pkt.

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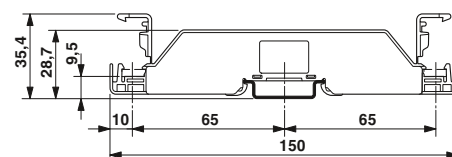
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10



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 shield connection terminal blocks SK and SKS

Notes:
For dimensional drawings, see phoenixcontact.net/products



Support bracket for shield connection terminal blocks SK

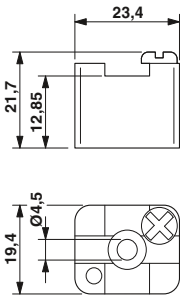


Support bracket for shield connection terminal blocks SK & SKS

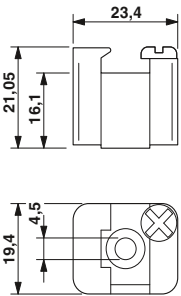
General data	
Material	PA
Description	Color
Support bracket, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars	gray
Support bracket, with contact to the mounting plate, with retaining screw, for 3 x 10 mm busbars	gray
Supportbracket, insulated, for 3 x 10 mm or 6 x 6 mm busbars	gray
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

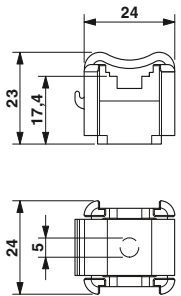
Technical data		
Ordering data		
Type	Order No.	Pcs. / Pkt.
AB/SKS	3240224	10
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10



AB/SS



AB/SS-M



AB/SKS

Multi-level support bracket for direct mounting



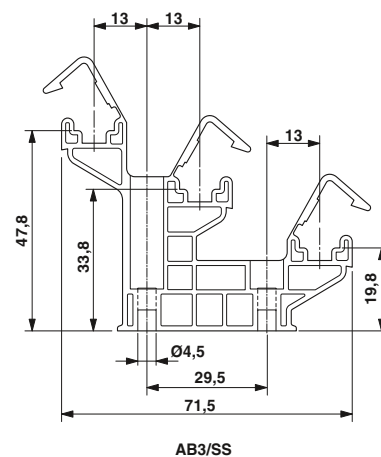
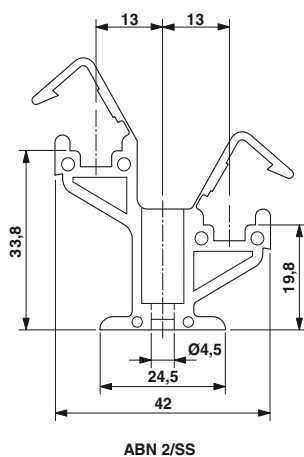
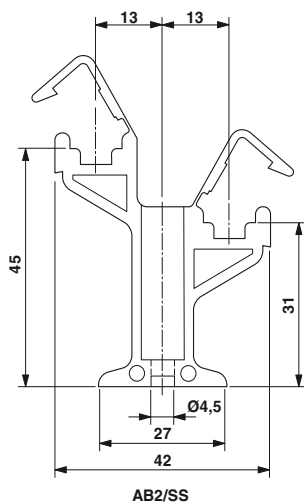
- Double and triple support frames for different busbars
- Type allows for an extremely compact design using large amounts of wiring, e. g. for multi-level front connection terminal blocks
- Support frames are isolated
- Direct mounting



Support bracket, multi-level, insulated

General data	
Material	
Description	
Color	
Double support bracket , insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar, height: 48 mm	
Height 48 mm	gray
Height 36.8 mm	gray
Triple support bracket , made from isolation 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

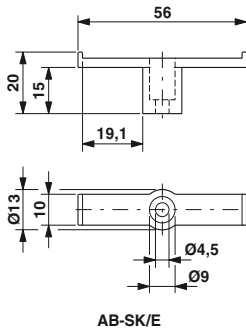
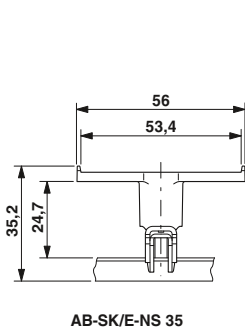
Support bracket frame for direct and DIN rail mounting



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

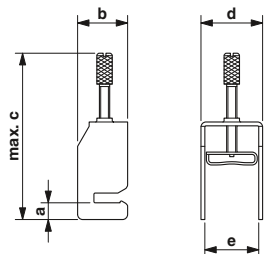


General data		Technical data		
Material		Aluminum		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
Support bracket , for direct mounting with contacting on the mounting surface		AB-SK/E	3026476	10
Support bracket frame , for mounting on NS 35 DIN rails	silver			
	silver	AB-SK/E-NS 35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

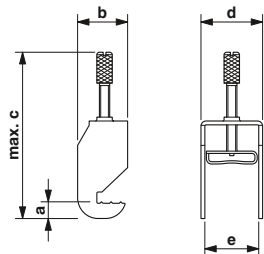


Shield connection clamps SK

Dimensions in 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



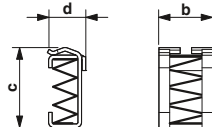
SK ...



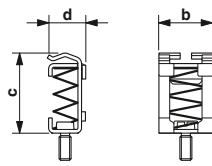
SK ...-D

Shield connection clamps SKS

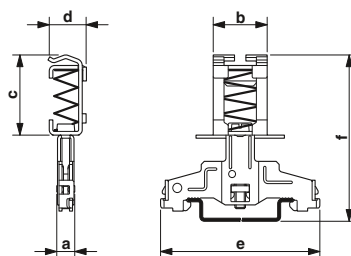
Dimensions in mm						
	a	b	c	d	e	f
SKS 8	-	18	26	12.4	-	-
SKS 14	-	21	32	19	-	-
SKS 20	-	27	40.5	24.7	-	-
SKS 8-D	-	18	26	12.4	-	-
SKS 14-D	-	21	32	19	-	-
SKS 20-D	-	27	40.5	24.7	-	-
SKS 8-NS35	6	18	26	12.4	52	54
SKS 14-NS35	6	21	32	19	52	60
SKS 20-NS35	6	27	40.5	24.7	52	68.4



SKS ...



SKS ...-D

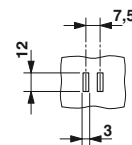


SKS ...-NS35

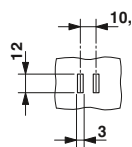
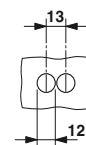
Drilling and punching patterns for SK...-D

Punching template

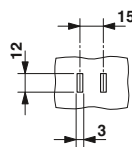
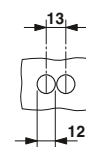
Drilling plan



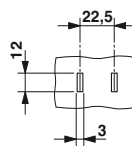
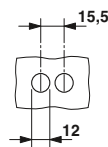
SK 5-D



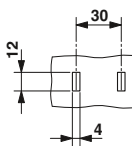
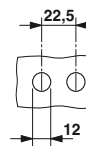
SK 8-D



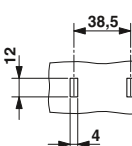
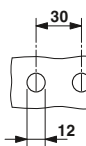
SK 14-D



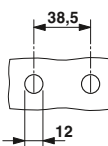
SK 20-D



SK 28-D



SK 35-D





Cable routing

The wide choice of cable ducts provides users with flexible and straightforward cable installation solutions that simply involve breaking out the lateral segments without any need for tools. The cable ducts are available in different colors and with a halogen-free design.



Cable protection

The comprehensive range of plastic and metal protective hoses provides the right solution for every application. Protective hose screw connections with tool-free quick mounting function and various IP protection classes round off the range of products.



Cable bundling

For bundling cables, detectable cable binders and stainless steel or plastic cable binders are available in either a removable version or with a marking area. Whether you are working in the food industry or the offshore sector, our comprehensive product range provides the ideal solution for every application.

Halogen-free cable ducts and accessories



Halogen-free cable ducts are recommended for use in many areas that are subject to high safety requirements, such as high-rise buildings, office buildings, and public facilities where there is a high volume of foot traffic, e.g., airports. The key features of the cable ducts are as follows:

- 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
- Fast and seamless creation of T and cross connections by means of an additional predetermined breaking point in the cable duct base
- Cover is securely held in place for both horizontal and vertical mounting

Notes:

For cable ducts cut to customer requirements, visit: phoenixcontact.net/products



General data

Material	PC/ABS
Components	Halogen-free
Inflammability class according to UL 94	V0
Temperature range	-25 ... 90 [°C]

Technical data

Ordering data

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

Cable duct, 2000 mm long, comprising lower and upper part

W x H: 25 x 25 mm	light gray
W x H: 25 x 40 mm	light gray
W x H: 25 x 60 mm	light gray
W x H: 25 x 80 mm	light gray
W x H: 30 x 40 mm	light gray
W x H: 30 x 60 mm	light gray
W x H: 30 x 80 mm	light gray
W x H: 30 x 100 mm	light gray
W x H: 40 x 40 mm	light gray
W x H: 40 x 60 mm	light gray
W x H: 40 x 80 mm	light gray
W x H: 40 x 100 mm	light gray
W x H: 60 x 40 mm	light gray
W x H: 60 x 60 mm	light gray
W x H: 60 x 80 mm	light gray
W x H: 60 x 100 mm	light gray
W x H: 80 x 25 mm	light gray
W x H: 80 x 40 mm	light gray
W x H: 80 x 60 mm	light gray
W x H: 80 x 80 mm	light gray
W x H: 80 x 100 mm	light gray
W x H: 100 x 40 mm	light gray
W x H: 100 x 60 mm	light gray
W x H: 100 x 80 mm	light gray
W x H: 100 x 100 mm	light gray
W x H: 120 x 60 mm	light gray
W x H: 120 x 80 mm	light gray

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

Upper cable duct part, 2000 mm long

For a width of 25 mm
For a width of 30 mm
For a width of 40 mm
For a width of 60 mm
For a width of 80 mm
For a width of 100 mm
For a width of 120 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

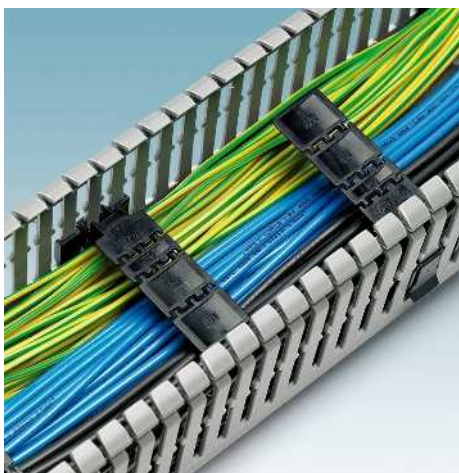
6 mm diameter, material thickness of 2 ... 8 mm

Rivet setting tool, for use with RVT-PA 4 plastic body-bound rivets

Rivet setting tool, for use with RVT-PA 6 plastic body-bound rivets

CD-HF COVER 25	3240369	14
CD-HF COVER 30	3240370	10
CD-HF COVER 40	3240371	14
CD-HF COVER 60	3240372	10
CD-HF COVER 80	3240373	10
CD-HF COVER 100	3240367	7
CD-HF COVER 120	3240368	6
CD WR	3240284	10
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

Inflammability class according to 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

Upper cable duct part, 2000 mm long

For a width of 25 mm
For a width of 30 mm
For a width of 40 mm
For a width of 60 mm
For a width of 80 mm
For a width of 100 mm
For a width of 120 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 use with RVT-PA 4 plastic body-bound rivets

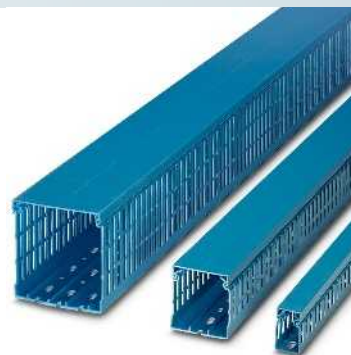
Rivet setting tool, for use with RVT-PA 6 plastic body-bound rivets



Cable ducts, gray



Cable ducts, white



Cable ducts, blue



Technical data
PVC
V0
-5 ... 60

Technical data
PVC
V0
-5 ... 60

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

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

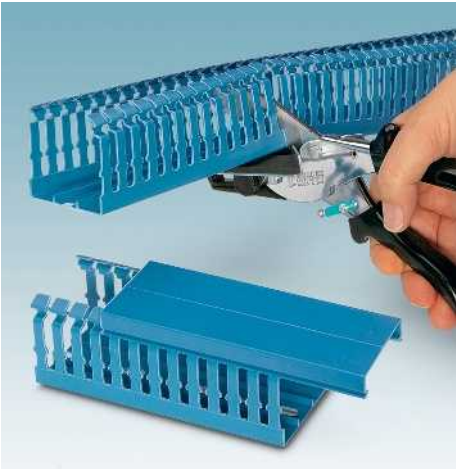
Ordering data		
Type	Order No.	Pcs. / Pkt.
CD 25X25 BU	3240301	25
CD 25X40 BU	3240302	24
CD 25X60 BU	3240303	15
CD 25X80 BU	3240304	10
CD 30X40 BU	3240305	20
CD 30X60 BU	3240306	24
CD 30X80 BU	3240307	12
CD 30X100 BU	3240308	12
CD 40X40 BU	3240309	25
CD 40X60 BU	3240310	20
CD 40X80 BU	3240311	10
CD 40X100 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	12
CD 80X80 BU	3240320	6
CD 80X100 BU	3240321	8
CD 100X40 BU	3240322	10
CD 100X60 BU	3240323	8
CD 100X80 BU	3240324	6
CD 100X100 BU	3240325	6
CD 120X60 BU	3240326	6
CD 120X80 BU	3240327	4

Accessories		
CD COVER 25	3240285	14
CD COVER 30	3240295	20
CD COVER 40	3240286	14
CD COVER 60	3240287	10
CD COVER 80	3240288	10
CD COVER 100	3240289	6
CD COVER 120	3240290	6
CD WR	3240284	10
RVT-PA 4	3240498	100
RVT-PA 6	3240499	100
UNIFOX-RVT P 4	1212478	1
UNIFOX-RVT P 6	1212509	1

Accessories		
CD COVER 25 WH	3240645	14
CD COVER 30 WH	3240646	10
CD COVER 40 WH	3240647	14
CD COVER 60 WH	3240648	10
CD COVER 80 WH	3240649	10
CD COVER 100 WH	3240643	6
CD COVER 120 WH	3240644	6
CD WR	3240284	10
RVT-PA 4	3240498	100
RVT-PA 6	3240499	100
UNIFOX-RVT P 4	1212478	1
UNIFOX-RVT P 6	1212509	1

Accessories		
CD COVER 25 BU	3240330	14
CD COVER 30 BU	3240331	10
CD COVER 40 BU	3240332	14
CD COVER 60 BU	3240333	10
CD COVER 80 BU	3240334	10
CD COVER 100 BU	3240328	6
CD COVER 120 BU	3240329	6
CD WR	3240284	10
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



- Easy, burr-free cutting with minimum effort, thanks to the special cutting geometry and optimum leverage
- Non-slip ergonomic grip
- With spring reset
- 45° limit stop
- 75 mm cutting width



ERC

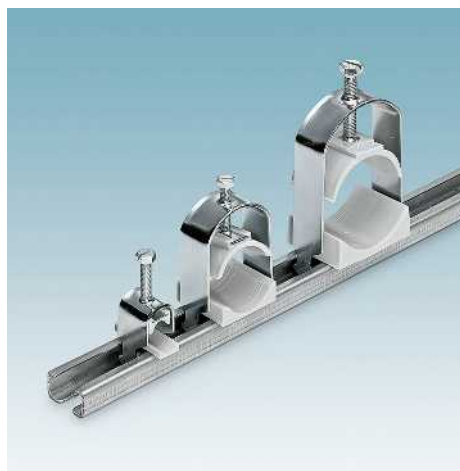
Dimensions	
	[mm]
General data	
Weight	[kg]
Description	Color
Cable duct cutter	black
Cable duct cutters	black

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	

Technical data		
Width	Length	Height
-	245	-
0.43		
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



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

Technical data

Steel

Ordering data

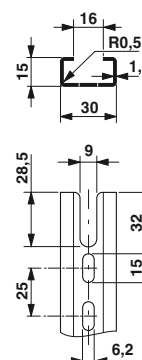
Description

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

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 provides 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. specifies the protective hose length in [m].



Slotted, outside diameter of 21.2 - 42.5 mm



Technical data

PA
free from silicone, halogen, and cadmium
V0
-40 ... 105

Ordering data

General data

Material
Components
Inflammability class according to UL 94
Temperature range [°C]

Description

Protective hose, slotted, for retrofitting

Diameter [mm] Outside/inside	Bending radius [mm] static	Color
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] Outside/inside	Bending radius [mm] static/dynamic	Color
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

Protective hose

Diameter [mm] Outside/inside	Bending radius [mm] static/dynamic	Color
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	Color
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	Color
10 / 4.3	black
13 / 7.8	black
15.8 / 10.3	black
21.2 / 14.3	black
28.2 / 20.8	black
34.5 / 26.8	black
42.5 / 33.8	black

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 V0 -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-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

A close-up photograph of a silver-colored metal cable management bracket mounted on a light-colored surface. Two black, braided cables are plugged into the bracket's ports. The bracket has a small black lever on top, likely for locking the cables in place. The background is a soft, out-of-focus blue and white.

- 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

- Secure, reliable, and easy latching in the hose screw connection, see figure below



For accessories and dimensional drawings, see
phoenixcontact.net/products



**IP66 degree of protection,
Pg7 - Pg36 thread**



General data

Material	
Components	
Degree of protection	
Thread type	
Inflammability class according to UL 94	
Temperature range	[°C]

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

Screw connection , IP66, 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, 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

see page 578 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

Ordering data

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

Type	Order No.	Pcs. / Pkt.
WP-G HF IP69K PG7 BK	3240874	50
WP-G HF IP69K PG9 BK	3240875	50
WP-G HF IP69K PG11 BK	3240876	50
WP-G HF IP69K PG16 BK	3240877	50
WP-G HF IP69K PG21 BK	3240878	25
WP-G HF IP69K PG29 BK	3240879	25
WP-G HF IP69K PG36 BK	3240880	25

Type	Order No.	Pcs. / Pkt.
WP-G HF IP69K M10 BK	3240881	50
WP-G HF IP69K M12 BK	3240882	50
WP-G HF IP69K M16 BK	3240883	50
WP-G HF IP69K M20 BK	3240884	50
WP-G HF IP69K M25 BK	3240885	25
WP-G HF IP69K M32 BK	3240886	25
WP-G HF IP69K M40 BK	3240887	25

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Accessories
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Accessories
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Accessories
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IP66 degree of protection,
M10 - M40 metric thread



IP69K degree of protection,
Pg7 - Pg36 thread



IP69K degree of protection,
M10 - M40 metric thread



Technical data
PA free from silicone, halogen, and cadmium IP66 metric HB -40 ... 115

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

Ordering data

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

Type	Order No.	Pcs. / Pkt.
WP-GA HF IP69K PG7 BK	3240902	50
WP-GA HF IP69K PG9 BK	3240903	50
WP-GA HF IP69K PG11 BK	3240904	50
WP-GA HF IP69K PG16 BK	3240905	50
WP-GA HF IP69K PG21 BK	3240906	25
WP-GA HF IP69K PG29 BK	3240907	10
WP-GA HF IP69K PG36 BK	3240908	10

Type	Order No.	Pcs. / Pkt.
WP-GA HF IP69K M10 BK	3240909	50
WP-GA HF IP69K M12 BK	3240910	50
WP-GA HF IP69K M16 BK	3240911	50
WP-GA HF IP69K M20 BK	3240912	50
WP-GA HF IP69K M25 BK	3240913	25
WP-GA HF IP69K M32 BK	3240914	10
WP-GA HF IP69K M40 BK	3240915	10

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Accessories
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Accessories
see page 578 onwards

Accessories
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- 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

- Secure, reliable, and easy latching in the hose screw connection

For accessories and dimensional drawings, see
phoenixcontact.net/products



**IP66 degree of protection, Pg7 - Pg36 thread,
with strain relief**



General data

Material	
Components	
Degree of protection	
Thread type	
Inflammability class according to UL 94	
Temperature range	[°C]

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

Screw connection , IP66, 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 , IP66, straight, with metric thread, for protective hose outside diameter [mm]	
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]	
13	black
15.8	black
21.2	black
28.5	black
34.5	black
42.5	black

Counter nuts and seals

see page 578 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

Ordering data

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

Type	Order No.	Pcs. / Pkt.
WP-GR HF IP69K PG7 BK	3240930	20
WP-GR HF IP69K PG9 BK	3240931	20
WP-GR HF IP69K PG11 BK	3240932	20
WP-GR HF IP69K PG16 BK	3240933	10
WP-GR HF IP69K PG21 BK	3240934	10
WP-GR HF IP69K PG29 BK	3240935	10
WP-GR HF IP69K PG36 BK	3240936	10

Type	Order No.	Pcs. / Pkt.
WP-GR HF IP69K M12 BK	3240938	20
WP-GR HF IP69K M16 BK	3240939	20
WP-GR HF IP69K M20 BK	3240940	20
WP-GR HF IP69K M25 BK	3240941	10
WP-GR HF IP69K M32 BK	3240942	10
WP-GR HF IP69K M40 BK	3240943	10

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Accessories

Accessories

Accessories

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see page 578 onwards

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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
- Behaves extremely well at low temperatures
- V2 according to UL 94
- Suitable as a suction tube

The covered 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. specifies the protective hose length in [m].



Protective hose, PVC coated spiral, outside diameter of 10 - 45 mm



Technical data

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

Ordering data

General data	
Material	
Components	
Inflammability class according to UL 94	
Temperature range	[°C]

Description	Color
Protective hose, PVC-coated spiral	
Diameter [mm]	Bending radius [mm]
Outside/inside	static
10 / 7	8
14 / 10	10
17 / 13	13
21 / 16	17
27 / 22	20
36 / 29	24
45 / 38	36
Protective hose, PU-coated spiral	
Diameter [mm]	Bending radius [mm]
Outside/inside	static
10 / 7	8
14 / 10	10
17 / 13	13
21 / 16	17
27 / 22	20
36 / 29	24
45 / 38	36
End sleeves	
Diameter [mm]	Cable diameter [mm]
Outside/inside	
10 / 7	6
14 / 10	9
17 / 13	11.5
21 / 16	14.5
27 / 21	19.5
36 / 29	26.5
45 / 38	36

Type	Order No.	Pcs. / Pkt.
WP-SPIRAL PVC C 10	3240849	10
WP-SPIRAL PVC C 14	3240850	10
WP-SPIRAL PVC C 17	3240851	10
WP-SPIRAL PVC C 21	3240852	10
WP-SPIRAL PVC C 27	3240853	10
WP-SPIRAL PVC C 36	3240854	10
WP-SPIRAL PVC C 45	3240855	10



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

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
Inflammability class according to UL 94	HB
Temperature range	-10 ... 110 [°C]

Technical data

Material	PP
Degree of protection	IP65
Thread type	Pg
Components	Halogen-free
Inflammability class according to UL 94	HB
Temperature range	-10 ... 110 [°C]

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 578 onwards
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IP65 degree of protection, M10 - M40 metric thread



IP54 degree of protection, Pg7 - Pg36 thread, rotatable



IP54 degree of protection, M12 - M40 metric thread, rotatable



Technical data
PP
IP65
Metric
Halogen-free
HB
-10 ... 110

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

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

Ordering data

Ordering data

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

Type	Order No.	Pcs. / Pkt.
WP-GT PP HF PG7	3241002	10
WP-GT PP HF PG9	3241003	10
WP-GT PP HF PG11	3241004	10
WP-GT PP HF PG16	3241005	10
WP-GT PP HF PG21	3241006	10
WP-GT PP HF PG29	3241007	2
WP-GT PP HF PG36	3241008	2

Type	Order No.	Pcs. / Pkt.
WP-GT PP HF M12	3241010	10
WP-GT PP HF M16	3241011	10
WP-GT PP HF M20	3241012	10
WP-GT PP HF M25	3241013	10
WP-GT PP HF M32	3241014	10
WP-GT PP HF M40	3241015	2

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Accessories

Accessories

Accessories

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see page 578 onwards

see page 578 onwards

Installation and mounting material - CABINET add-on

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 according to EN 60079-14 and EN 61241-14
- Shipbuilding
- Rail vehicles
- Automation
- Electrical systems

Notes:

Pcs. / Pkt. specifies the protective hose length in [m].



Stainless steel protective hose, outside diameter of 10 - 45 mm



Technical data

Steel, galvanized
-200 ... 220

Ordering data

General data	
Material	
Temperature range	[°C]

Description	Color
Protective hose	
Diameter [mm]	Bending radius [mm]
Outside/inside	static
10 / 8	28
14 / 11	34
17 / 14	40
21 / 18	50
27 / 23	63
36 / 31	85
45 / 40	100
Protective hose	
Diameter [mm]	Bending radius [mm]
Outside/inside	static
10 / 8	22
14 / 11	25
17 / 14	40
21 / 18	50
27 / 23	63
36 / 31	85
45 / 40	100
End sleeves	
Outside diameter of hose [mm]	Cable diameter [mm]
10	6.5
14	10
17	12.5
21	16.5
27	21.5
36	29.5
45	38

Type	Order No.	Pcs. / Pkt.
WP-STEEL ZC 10	3240697	10
WP-STEEL ZC 14	3240865	10
WP-STEEL ZC 17	3240698	10
WP-STEEL ZC 21	3240699	10
WP-STEEL ZC 27	3240866	10
WP-STEEL ZC 36	3240700	10
WP-STEEL ZC 45	3240701	10



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 and 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]

Brass
IP40
Pg
-40 ... 125

Ordering data

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

Screw connection, IP40, with Pg thread

Outside diameter of protective hose [mm]	Cable diameter [mm]	Color
10	6.5	Brass
14	10	Brass
17	12.5	Brass
21	16	Brass
27	21.5	Brass
36	29	Brass
45	38	Brass

Screw connection, IP40, with metric thread

Outside diameter of protective hose [mm]	Cable diameter [mm]	Color
10	6.5	Brass
14	10	Brass
17	12.5	Brass
21	16	Brass
27	21.5	Brass
36	27.5	Brass
45	35	Brass

Screw connection, IP40, rotatable, with Pg thread

Outside diameter of protective hose [mm]	Cable diameter [mm]	Color
10	6	Brass
14	9	Brass
17	12	Brass
21	15.5	Brass
27	20.5	Brass
36	27.5	Brass
45	36.5	Brass

Screw connection, IP40, rotatable, with metric thread

Outside diameter of protective hose [mm]	Cable diameter [mm]	Color
10	6	Brass
14	9	Brass
17	12	Brass
21	15.5	Brass
27	20.5	Brass
36	27.5	Brass
45	35	Brass

Type	Order No.	Pcs. / Pkt.
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WP-G BRASS IP40 PG7	3241037	10
WP-G BRASS IP40 PG9	3241038	10
WP-G BRASS IP40 PG11	3241039	10
WP-G BRASS IP40 PG16	3241040	10
WP-G BRASS IP40 PG21	3241041	10
WP-G BRASS IP40 PG29	3241042	2
WP-G BRASS IP40 PG36	3241043	2



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

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Installation and mounting material - CABINET add-on

Cable routing, cable protection, cable bundling

Protective hoses made of steel with PVC coating and screw connections

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

Notes:
Pcs. / Pkt. specifies the protective hose length in [m].
Inner sleeves and seals are supplied as standard.



Stainless steel protective hose (V2A), PVC coated, outside diameter of 10 - 45 mm



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



Technical data

General data
Material
Degree of protection
Thread type
Temperature range

Steel, galvanized/PVC
-
-
-25 ... 80

Ordering data

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

Protective hose, in galvanized steel, PVC coated

Diameter [mm]	Bending radius [mm]	
Outside/inside	static	
10 / 7	95	Black
14 / 10	105	Black
17 / 13	115	Black
21 / 17	110	Black
27 / 22	135	Black
36 / 29	145	Black
45 / 38	215	Black

End sleeves, in brass

Outside diameter of 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	36.5	Brass

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



Technical data

Brass
IP65
Pg
-40 ... 125

Ordering data

Type	Order No.	Pcs. / Pkt.
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WP-G BRASS IP65 PG7	3241051	10
WP-G BRASS IP65 PG9	3241052	10
WP-G BRASS IP65 PG11	3241053	10
WP-G BRASS IP65 PG16	3241054	10
WP-G BRASS IP65 PG21	3241055	10
WP-G BRASS IP65 PG29	3241056	2
WP-G BRASS IP65 PG36	3241057	2

WP-G BRASS IP65 M10	3241058	10
WP-G BRASS IP65 M12	3241059	10
WP-G BRASS IP65 M16	3241060	10
WP-G BRASS IP65 M20	3241061	10
WP-G BRASS IP65 M25	3241062	10
WP-G BRASS IP65 M32	3241063	2
WP-G BRASS IP65 M40	3241064	2

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	
Inflammability class according to 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, 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 can be 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
- Screw mounting

WP-BASE ... fixing bracket:

- With two mounting holes according to 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
Type
Order No.
Pcs. / Pkt.

WP-BASE HF 9-10	3240965	50
WP-BASE HF 13	3240966	50
WP-BASE HF 14	3240967	50
WP-BASE HF 15,8	3240968	50
WP-BASE HF 17	3240969	50
WP-BASE HF 22	3240970	50
WP-BASE HF 29	3240971	50
WP-BASE HF 37	3240972	50
WP-BASE HF 45	3240973	25

Technical data
Steel, galvanized

Ordering data
Type
Order No.
Pcs. / Pkt.

WP-BASE A PG16	3241079	25
WP-BASE A PG21	3241080	25
WP-BASE A PG29	3241081	25
WP-BASE A PG36	3241082	25

WP-BASE A PG16	3241079	25
WP-BASE A PG21	3241080	25
WP-BASE A PG29	3241081	25
WP-BASE A PG36	3241082	25

Technical data
Steel, galvanized

Ordering data
Type
Order No.
Pcs. / Pkt.

WP-BASE A M16	3241083	25
WP-BASE A M20	3241084	25
WP-BASE A M25	3241085	25
WP-BASE A M32	3241086	25
WP-BASE A M40	3241087	25

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

Accessories for protective hose mounting



WP-CN ...

The counter nuts are used to lock protective hose screw connections in the case of bore holes without a thread.

- Counter nuts made of brass or plastic
- The fiberglass-reinforced polyamide ensures a high degree of mechanical stability
- Metric thread according to EN 50262, making the counter nut suitable for universal use



Counter nut, M12 - M40, plastic

General data

Material

Technical data

Polyamide fiberglass reinforced

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Counter nut, plastic, for protective hose screw connections with metric thread				
for M12	gray	WP-CN PA M12	3241132	100
for M16	gray	WP-CN PA M16	3241133	100
for M20	gray	WP-CN PA M20	3241134	100
for M25	gray	WP-CN PA M25	3241135	100
for M32	gray	WP-CN PA M32	3241136	100
for M40	gray	WP-CN PA M40	3241137	50
Counter nut, plastic, for protective hose screw connections with Pg thread				
for Pg7	gray			
for Pg9	gray			
for Pg11	gray			
for Pg16	gray			
for Pg21	gray			
for Pg29	gray			
for Pg36	gray			
Counter nut, nickel-plated brass, for protective hose screw connections with metric thread				
for M10	silver			
for M12	silver			
for M16	silver			
for M20	silver			
for M25	silver			
for M32	silver			
for M40	silver			
Counter nut, nickel-plated brass, for protective hose screw connections with Pg thread				
for Pg7	silver			
for Pg9	silver			
for Pg11	silver			
for Pg16	silver			
for Pg21	silver			
for Pg29	silver			
for Pg36	silver			



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
Nickel-plated brass

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
Nickel-plated brass

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



Flat gasket made from Perbunan

The Perbunan flat sealing rings are used to seal protective hose screw connections on uneven surfaces. They are inserted between the hose screw connection and the surface, thereby achieving degrees of protection up to IP68.

The Centellen flat sealing rings also provide an optimum seal on uneven surfaces. As well as having IP68 protection and high mechanical stability, the sealing rings are also UV resistant and halogen-free. This enables them to be used outdoors.

Properties:

- Resistant to oil, seal against dust and water, UV resistant, halogen-free, high mechanical stability

The properties of the Perbunan O-rings, such as their resistance to oil and seal against water and dust, mean that they can be used in a wide range of applications.

General data		Technical data		
Material		Perbunan		
		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
Flat gasket, Perbunan , for protective hose screw connections with metric thread				
for M10	black	WP-FS IP68 M10	3241159	50
for M12	black	WP-FS IP68 M12	3241160	50
for M16	black	WP-FS IP68 M16	3241161	50
for M20	black	WP-FS IP68 M20	3241162	50
for M25	black	WP-FS IP68 M25	3241163	50
for M32	black	WP-FS IP68 M32	3241164	25
for M40	black	WP-FS IP68 M40	3241165	25
Flat gasket, Perbunan , for protective hose screw connections with Pg thread				
for Pg7	black	WP-FS IP68 PG7	3241166	50
for Pg9	black	WP-FS IP68 PG9	3241167	50
for Pg11	black	WP-FS IP68 PG11	3241168	50
for Pg16	black	WP-FS IP68 PG16	3241169	50
for Pg21	black	WP-FS IP68 PG21	3241170	25
for Pg29	black	WP-FS IP68 PG29	3241171	25
for Pg36	black	WP-FS IP68 PG36	3241172	25
Flat gasket, Centellen , for protective hose screw connections with metric thread				
for M10	green			
for M12	green			
for M16	green			
for M20	green			
for M25	green			
for M32	green			
for M40	green			
Flat gasket, Centellen , for protective hose screw connections with Pg thread				
for Pg7	green			
for Pg9	green			
for Pg11	green			
for Pg16	green			
for Pg21	green			
for Pg29	green			
for Pg36	green			
O-ring, Perbunan , for protective hose screw connections with metric thread				
for M10	black			
for M12	black			
for M16	black			
for M20	black			
for M25	black			
for M32	black			
for M40	black			
O-ring, Perbunan , for protective hose screw connections with Pg thread				
for Pg7	black			
for Pg9	black			
for Pg11	black			
for Pg16	black			
for Pg21	black			
for Pg29	black			
for Pg36	black			



O-ring made from Perbunan

Technical data			Technical data		
Centellen			Perbunan		
Ordering data			Ordering data		
Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
WP-FS HF IP68 M10	3241173	50			
WP-FS HF IP68 M12	3241174	50			
WP-FS HF IP68 M16	3241175	50			
WP-FS HF IP68 M20	3241176	50			
WP-FS HF IP68 M25	3241177	50			
WP-FS HF IP68 M32	3241178	25			
WP-FS HF IP68 M40	3241179	25			
WP-FS HF IP68 PG7	3241180	50			
WP-FS HF IP68 PG9	3241181	50			
WP-FS HF IP68 PG11	3241182	50			
WP-FS HF IP68 PG16	3241183	50			
WP-FS HF IP68 PG21	3241184	25			
WP-FS HF IP68 PG29	3241185	25			
WP-FS HF IP68 PG36	3241186	25			
			WP-OR M10	3241187	50
			WP-OR M12	3241188	50
			WP-OR M16	3241189	50
			WP-OR M20	3241190	50
			WP-OR M25	3241191	50
			WP-OR M32	3241192	25
			WP-OR M40	3241193	25
			WP-OR PG7	3241194	50
			WP-OR PG9	3241195	50
			WP-OR PG11	3241196	50
			WP-OR PG16	3241197	50
			WP-OR PG21	3241198	25
			WP-OR PG29	3241199	25
			WP-OR PG36	3241200	25

Installation and mounting material - CABINET add-on

Cable routing, cable protection, cable bundling

Plastic cable marker for insert labels, for assembly with cable binders



- Plastic cable markers for marking and bundling multiple conductors and cables indoors
- The printed insert label is protected from dirt by the sealing cap
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements

Notes:
For corresponding cable binders, see from page 588.



For insert labels with lettering field size 29 x 8 mm, for cable diameters > 10 mm

General data
Material
Temperature range
Components

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

Description
Color

Plastic cable markers for insert labels, with cable binders 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 binders 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

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

Insert strips for laser printers, DIN A4, perforated

Lettering field size: 29 x 8 mm, 1 sheet = 174 labels

Lettering field size: 40 x 17 mm, 1 sheet = 56 labels

Lettering field size: 24 x 4 mm, 1 sheet = 488 labels

Insert labels for thermal transfer printers

Lettering field size: 29 x 8 mm, 5400 labels per roll

Lettering field size: 40 x 17 mm, 2300 labels per roll

Lettering field size: 24 x 4 mm, 5000 labels p. roll

UniSheet, 0.5 mm thick

48-section, lettering field size: 29 x 8 mm

16-section, lettering field size: 40 x 17 mm

Textile label, lettering field size: 20 x 8 mm

2500 labels per roll

2500 labels per roll





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

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

Ordering data		
Type	Order No.	Pcs. / Pkt.

LM	1004377	100
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Accessories		
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ESL 24X4	0808231	10
EMT (24X4)R	0816265	1

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

Ordering data		
Type	Order No.	Pcs. / Pkt.

KME	0807083	50
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Accessories		
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EMLC (20X8)R	0815680	1
EML (20X8)R	0816786	1

Installation and mounting material - CABINET add-on

Cable routing, cable protection, cable bundling

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



- KMK HP ... plastic cable markers for marking and bundling conductors and cables indoors
- Inflammability class V0 acc. to UL 94
- The KMK HP... cable markers are particularly suitable for use in the railway industry, traffic technology, and building technology thanks to their outstanding material properties
- The KMK... versions have eyelets and are attached with cable binders
- The printed insert label is protected from dirt by the sealing cap
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements



Notes:

For corresponding cable binders, see from page 588.



Lettering field size: 25 x 6 mm,
for cable diameter > 6 mm

General data

Material	PC
Inflammability class according to UL 94	V0
Temperature range	-40 ... 125
Components	Halogen-free

Technical data

PC
V0
-40 ... 125
Halogen-free

Description

Cable marker carrier for cable binder assembly	transparent
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Color

Ordering data

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

Accessories

UCT-EMP (25X6)	1014117	10
US-EMP (25X6)-1	0802754	10
EMT (25X6)R	0817264	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1

UniCard, insert strip for KMK... cable marker carriers, can be marked with THERMOMARK CARD..., BLUEMARK CLED, and TOPMARK Laser

Lettering field size: 25 x 6 mm, 15-section

Lettering field size: 29 x 8 mm, 15-section

Lettering field size: 60 x 15 mm, 3-section

Lettering field size: 40 x 17 mm, 3-section

UniSheet, 0.5 mm thick, inflammability class V0 according to UL 94

84-section, lettering field size: 25 x 6 mm

48-section, lettering field size: 29 x 8 mm

9-section, lettering field size: 60 x 15 mm

16-section, lettering field size: 40 x 17 mm

Insert labels for thermal transfer printer, halogen-free

Lettering field size: 25 x 6 mm, 5000 labels per roll

Lettering field size: 29 x 8 mm, 5400 labels per roll

Lettering field size: 60 x 15 mm, 2500 labels per roll

Lettering field size: 40 x 17 mm, 2300 labels per roll

Cable binder, inflammability class according to UL 94: V0, halogen-free, temperature range: -40°C ... 85°C, maximum bundle Ø [mm]/minimum tensile strength [N]

35 / 130

50 / 220

79 / 220

Magazine, for THERMOMARK CARD ..., for accommodating UCT-EMP ...



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 V0 -40 ... 125 Halogen-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
KMK HP (29X8)	0830721	100
Accessories		
UCT-EMP (29X8)	1014118	10
US-EMP (29X8)	0829436	10
EMT (29X8)R	0817277	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1

Technical data		
PC V0 -40 ... 125 Halogen-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
KMK HP (60X15)	0830722	50
Accessories		
UCT-EMP (60X15)	1014119	10
US-EMP (60X15)	0828781	10
EMT (60X15)R	0801846	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1

Technical data		
PC V0 -40 ... 125 Halogen-free		
Ordering data		
Type	Order No.	Pcs. / Pkt.
KMK HP (40X17)	0830723	50
Accessories		
UCT-EMP (40X17)	1014120	10
US-EMP (40X17)	0829437	10
EMT (40X17)R	0817293	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1

Installation and mounting material - CABINET add-on

Cable routing, cable protection, cable bundling

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



- KMK UV ... plastic cable markers for marking and bundling conductors and cables outdoors
- The KMK UV... cable markers are ultra-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 binders
- The printed insert label is protected from dirt by the sealing cap
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements



Notes:

For corresponding cable binders, see from page 588.

¹⁾ WT-UV HF...BK cable binders are weatherproof and UV resistant according to 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	PA
Inflammability class according to UL 94	HB
Temperature range	-40 ... 100
Components	Halogen-free

[°C]

Description	Color
Cable marker carrier for cable binder assembly	transparent

UniCard, insert strip for KMK... cable marker carriers, can be marked with THERMOMARK CARD..., BLUEMARK CLED, and TOPMARK Laser

Lettering field size: 25 x 6 mm, 15-section

Lettering field size: 29 x 8 mm, 15-section

Lettering field size: 60 x 15 mm, 3-section

Lettering field size: 40 x 17 mm, 3-section

UniSheet, 0.5 mm thick, inflammability class V0 according to UL 94

84-section, lettering field size: 25 x 6 mm

48-section, lettering field size: 29 x 8 mm

9-section, lettering field size: 60 x 15 mm

16-section, lettering field size: 40 x 17 mm

Insert labels for thermal transfer printer, halogen-free

Lettering field size: 25 x 6 mm, 5000 labels per roll

Lettering field size: 29 x 8 mm, 5400 labels per roll

Lettering field size: 60 x 15 mm, 2500 labels per roll

Lettering field size: 40 x 17 mm, 2300 labels per roll

Cable binder, halogen-free, inflammability class according to UL 94: V2, maximum bundle Ø [mm] / min. tensile strength [N]¹⁾

35 / 130

50 / 220

79 / 220

Magazine, for THERMOMARK CARD ..., for accommodating UCT-EMP ...

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

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

Accessories

UCT-EMP (25X6)	1014117	10
US-EMP (25X6)-1	0802754	10
EMT (25X6)R	0817264	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
THERMOMARK CARD-UCT-MAG26	0802988	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		
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
THERMOMARK CARD-UCT-MAG26	0802988	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
THERMOMARK CARD-UCT-MAG26	0802988	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
THERMOMARK CARD-UCT-MAG26	0802988	1

Plastic cable binders



- For bundling and fastening conductors and cables
- Can be used indoors and outdoors even under unfavorable industrial conditions
- With the UNIFOX-CT ... cable binder tool, the cable binders can be easily tightened and cut off flush in one step
- Cable binders 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 binder width: 2.5 mm
Cable binder length: 98 mm

General data

Material	
Components	
Inflammability class according to UL 94	
Temperature range	[°C]



Technical data

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

Ordering data

Description	Color
Cable binder, maximum bundle Ø [mm]/minimum tensile strength [N]	
21 / 80	transparent
40 / 80	transparent
52 / 80	transparent
35 / 130	transparent
50 / 130	transparent
80 / 130	transparent
40 / 220	transparent
50 / 220	transparent
79 / 220	transparent
100 / 220	transparent
115 / 220	transparent
80 / 540	transparent
100 / 540	transparent
158 / 540	transparent
233 / 700	transparent
143 / 1080	transparent
302 / 1080	transparent
Cable binder, large pack, maximum bundle Ø [mm]/minimum tensile strength [N]	
21 / 80	transparent
40 / 80	transparent
52 / 80	transparent
35 / 130	transparent
50 / 130	transparent
80 / 130	transparent
40 / 220	transparent
50 / 220	transparent

Type	Order No.	Pcs. / Pkt.
WT-HF 2,5X98	3240732	100
WT-HF 2,6X160	3240736	100
WT-HF 2,6X200	3240740	100
WT-HF 3,6X140	3240744	100
WT-HF 3,6X200	3240748	100
WT-HF 3,6X290	3240752	100
WT-HF 4,5X160	3240756	100
WT-HF 4,5X200	3240760	100
WT-HF 4,5X290	3240764	100
WT-HF 4,5X360	3240768	100
WT-HF 4,5X430	3240770	100
WT-HF 7,8X300	3240772	100
WT-HF 7,8X365	3240774	100
WT-HF 7,8X540	3240719	100
WT-HF 9X780	3240778	100
WT-HF 12,6X850	3240730	50
WT-HF 12,6X1000	3240728	50
WT-HF 2,5X98-L	3240735	1000
WT-HF 2,6X160-L	3240739	1000
WT-HF 2,6X200-L	3240743	1000
WT-HF 3,6X140-L	3240747	1000
WT-HF 3,6X200-L	3240751	1000
WT-HF 3,6X290-L	3240755	500
WT-HF 4,5X160-L	3240759	1000
WT-HF 4,5X200-L	3240763	1000

Accessories

Cable binder pliers, for plastic cable binders with a width of 2.2 - 4.8 mm, for a material thickness of up to 1.6 mm

Professional cable binder tools, for plastic cable binders 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



Plastic cable binders



- The black cable binders are UV stabilized by adding carbon black and are suitable for use in outdoor systems according to 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	
Inflammability class according to 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 binder , maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	black	WT-HF 2,5X98 BK	3240733	100
40 / 80	black	WT-HF 2,6X160 BK	3240737	100
52 / 80	black	WT-HF 2,6X200 BK	3240741	100
35 / 130	black	WT-HF 3,6X140 BK	3240745	100
50 / 130	black	WT-HF 3,6X200 BK	3240749	100
80 / 130	black	WT-HF 3,6X290 BK	3240753	100
40 / 220	black	WT-HF 4,5X160 BK	3240757	100
50 / 220	black	WT-HF 4,5X200 BK	3240761	100
79 / 220	black	WT-HF 4,5X290 BK	3240765	100
100 / 220	black	WT-HF 4,5X360 BK	3240769	100
115 / 220	black	WT-HF 4,5X430 BK	3240771	100
80 / 540	black	WT-HF 7,8X300 BK	3240773	100
100 / 540	black	WT-HF 7,8X365 BK	3240775	100
158 / 540	black	WT-HF 7,8X540 BK	3240721	100
233 / 700	black	WT-HF 9X780 BK	3240779	100
143 / 1080	black	WT-HF 12,6X850 BK	3240731	50
302 / 1080	black	WT-HF 12,6X1000 BK	3240729	50
Cable binder, large pack , maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	black	WT-HF 2,5X98 BK-L	3240734	1000
40 / 80	black	WT-HF 2,6X160 BK-L	3240738	1000
52 / 80	black	WT-HF 2,6X200 BK-L	3240742	1000
35 / 130	black	WT-HF 3,6X140 BK-L	3240746	1000
50 / 130	black	WT-HF 3,6X200 BK-L	3240750	1000
80 / 130	black	WT-HF 3,6X290 BK-L	3240754	500
40 / 220	black	WT-HF 4,5X160 BK-L	3240758	1000
50 / 220	black	WT-HF 4,5X200 BK-L	3240762	1000
Cable binder , inflammability class according to UL 94: V0, halogen-free, temperature range: -40°C ... 85°C, maximum bundle Ø [mm]/minimum tensile strength [N]				
35 / 130	transparent	WT-HP HF 3,6X140	0830982	100
79 / 220	transparent	WT-HP HF 4,5X290	0830984	100
50 / 220	transparent	WT-HP HF 4,8X200	0830983	100

Accessories

Cable binder pliers, for plastic cable binders with a width of 2.2 - 4.8 mm, for a material thickness of up to 1.6 mm

Professional cable binder tools, for plastic cable binders 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 binders for outdoor use



The WT-UV HF ... cable binders are specially designed for outdoor use and offer the following features:

- Weatherproof and UV resistant according to ISO 4892 (QUV-B 600 hours) for up to ten years
- Cable binders are easy to use, thanks to their optimum geometries
- Optimum head shape for high tensile forces

- Halogen-free/silicone-free
- Constantly high temperature resistance up to 105°C
- **Designation example:**
WT-UV HF 2,5X98 BK
Cable binder width: 2.5 mm
Cable binder length: 98 mm



Cable tie length of 98 - 365 mm

General data

Material	
Components	
Inflammability class according to UL 94	
Temperature range	[°C]

PA 6.6
Free from silicone and halogen
V2
-40 ... 105

Technical data

Ordering data

Description	Color
Cable binder , 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

Thanks to their UL 94 V0 inflammability class and absence of halogen, the WT-HP HF... cable binders are particularly suitable for use in the rail industry.

- **Designation example:**
WT-HP HF 3,6x140
Cable binder width: 3.6 mm
Cable binder length: 140 mm



General data

Material	
Components	
Inflammability class according to UL 94	
Temperature range	[°C]

PA 6.6
Free from silicone and halogen
V0
-40 ... 85

Technical data

Ordering data

Description	Color
Cable binder , inflammability class according to 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 binders for use under high temperatures



The WT-HT HF ... cable binders 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 binders are easy to use, thanks to their optimum geometries
- Black cable binders are UV stabilized
- Special head shape for high tensile forces
- Halogen-free/silicone-free

Designation example: WT-HT HF 2,5X98

Cable binder width: 2.5 mm

Cable binder length: 98 mm



Cable tie length of 98 - 365 mm

General data

Material	PA 6.6
Components	Free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range	-40 ... 125

Technical data

Material	PA 6.6
Components	Free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range	-40 ... 125

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable binder , 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 binder , maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	black	WT-HT HF 2,5X98 BK	3240781	100
35 / 130	black	WT-HT HF 3,6X140 BK	3240783	100
50 / 130	black	WT-HT HF 3,6X200 BK	3240785	100
50 / 220	black	WT-HT HF 4,5X200 BK	3240787	100
79 / 220	black	WT-HT HF 4,5X290 BK	3240789	100
100 / 540	black	WT-HT HF 7,8X365 BK	3240793	100

Accessories

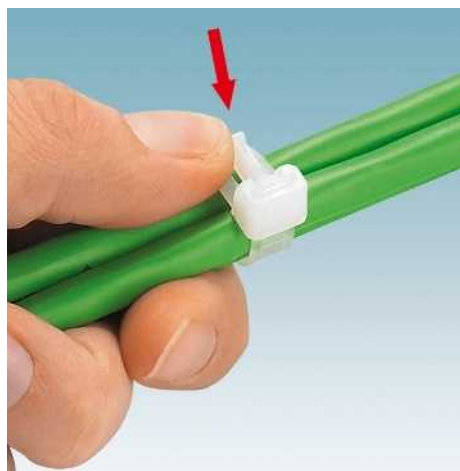
Cable binder pliers, for plastic cable binders with a width of 2.2 - 4.8 mm, for a material thickness of up to 1.6 mm

Professional cable binder tools, for plastic cable binders 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

Cable binders for reopening



The WT-D HF ... cable binders are ideal for temporary mounting and offer the following features:

- Can be removed easily without tools and reused
- Cable binders 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
Inflammability class according to UL 94	V2
Temperature range	-40 ... 80

Technical data

Material	PA 6.6
Components	Free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range	-40 ... 80

Ordering data

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

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 tie length of 200 - 350 mm

Cable binders with lug for direct rivet or screw mounting



The WT-E HF ... cable binders 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

Notes:

For corresponding cable binder pliers, see previous page.

General data

Material	PA 6.6
Components	Free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range	-40 ... 85

Technical data

Material	PA 6.6
Components	Free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range	-40 ... 85

Ordering data

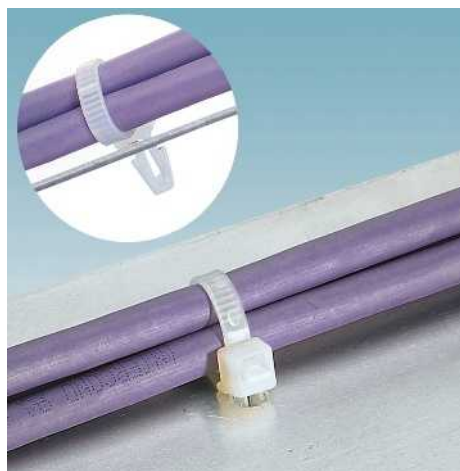
Description	Color
Cable binder , maximum bundle Ø [mm]/minimum tensile strength [N]	
32 / 130 hole diameter 4.5 mm	transparent
50 / 220 hole diameter 5.2 mm	transparent
44 / 540 hole diameter 6.5 mm	transparent
75 / 540 hole diameter 6.5 mm	transparent
104 / 540 hole diameter 6.5 mm	transparent

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 tie length of 150 - 380 mm

Cable binders with body-bound rivet for direct mounting



The WT-R HF ... cable binders 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

Notes:

For corresponding cable binder pliers, see previous page.

General data

Material	PA 6.6
Components	Free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range	-40 ... 85

Technical data

Material	PA 6.6
Components	Free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range	-40 ... 85

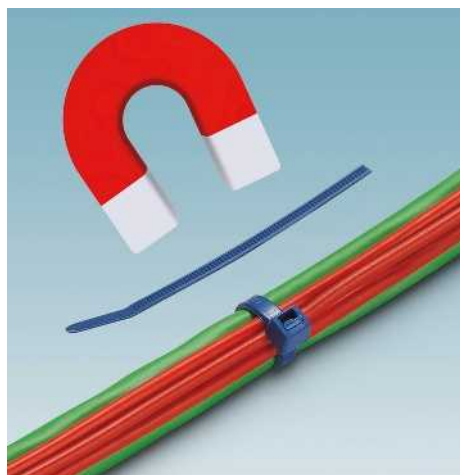
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable binder , maximum bundle Ø [mm]/minimum tensile strength [N]				
38 / 130 hole diameter 5.2 mm	transparent	WT-R HF 3,6X150	3240801	100
50 / 220 hole diameter 6.3 mm	transparent	WT-R HF 4,8X200	3240803	100



Cable tie length of 150 - 200 mm

Detectable cable binders



Notes:

For corresponding cable binder pliers, see previous page.

General data

Material	PA 6.6
Components	Free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range	-40 ... 85

Technical data

Material	PA 6.6
Components	Free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable binder , with metal portions, maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	blue	WT-ID HF 2,5X98 BU	3240794	100
35 / 130	blue	WT-ID HF 3,5X140 BU	3240795	100
50 / 130	blue	WT-ID HF 3,5X200 BU	3240796	100
50 / 220	blue	WT-ID HF 4,5X200 BU	3240797	100
79 / 220	blue	WT-ID HF 4,5X290 BU	3240798	100
100 / 540	blue	WT-ID HF 7,5X365 BU	3240800	100

The WT-ID HF ... cable binders are specially designed for production processes in the food, pharmaceutical and chemical industries and offer the following features:

- High level of protection 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

Installation and mounting material - CABINET add-on

Cable routing, cable protection, cable bundling

Cable binders made of stainless steel AISI 304 (V2A)



The WT-STEEL S ... cable binders are especially suited to use outdoors and in the chemical industry. They offer the following features:

- Secure, permanent attachment and a 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 212



Cable tie length of 150 - 1067 mm

Lowis
register

General data

Material	Stainless steel 1.4301/AISI 304
Temperature range	-80 ... 538 [°C]

Technical data

Material	Stainless steel 1.4301/AISI 304
Temperature range	-80 ... 538

Ordering data

Description	Color
Cable binder , 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 binder , 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

Accessories

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

UNIFOX-CT M 7,9	1212610	1
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Cable binders made of stainless steel AISI 316 (V4A)



The WT-STEEL SH ... cable binders are especially suited to use with aggressive chemicals and in onshore and offshore areas. They offer the following features:

- 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



Cable tie length of 150 - 1067 mm

General data

Material	
Temperature range	[°C]

Stainless steel 1.4401/AISI 316
-80 ... 538

Description

Color

Cable binder, made of stainless steel (AISI 316), 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 binder, made of stainless steel (AISI 316), 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

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

Technical data

Ordering data

Type	Order No.	Pcs. / Pkt.
WT-STEEL SH 4,6X150	3240820	100
WT-STEEL SH 4,6X201	3240821	100
WT-STEEL SH 4,6X259	3240822	100
WT-STEEL SH 4,6X360	3240823	100
WT-STEEL SH 4,6X520	3240824	100
WT-STEEL SH 4,6X679	3240825	100
WT-STEEL SH 4,6X838	3240727	100
WT-STEEL SH 4,6X1067	3240818	100
WT-STEEL SH 7,9X259	3240827	100
WT-STEEL SH 7,9X360	3240828	100
WT-STEEL SH 7,9X520	3240829	100
WT-STEEL SH 7,9X679	3240830	100
WT-STEEL SH 7,9X838	3240766	100
WT-STEEL SH 7,9X1067	3240826	100

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 binder base, self-adhesive and/or screwable



The WT-BASE LS ... cable binder bases are characterized by their excellent adhesive properties as well as the following:

- Easy to use
- Cable binders 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



General data

Material	
Inflammability class according to UL 94	
Temperature range	[°C]

Technical data

ABS
HB
-40 ... 60

Ordering data

Description	Color
Cable binder base , for cable binders of up to 4 mm width, self-adhesive and screwable, 4 mm fixing hole, dimensions: 19 x 19 mm	transparent black
Cable binder base , for cable binders of up to 6 mm width, self-adhesive and screwable, 4.8 mm fixing hole, dimensions: 27 x 27 mm	transparent black

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 binder base, screwable



- Space-saving design
- Easy to use
- Cable binders can be fed through on two sides
- Halogen-free/silicone-free



General data

Material	
Inflammability class according to UL 94	
Temperature range	[°C]

Technical data

PA 6.6
V2
-40 ... 85

Ordering data

Description	Color
Cable binder base , for cable binders of up to 5 mm width, screwable, 3.5 mm fixing hole, dimensions: 9.5 x 15 mm	transparent black
Cable binder base , for cable binders of up to 9 mm width, screwable, 5 mm fixing hole, dimensions: 14.6 x 22 mm	transparent black

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 binder 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



General data

Material
Inflammability class according to UL 94
Temperature range [°C]

Technical data

PA 6.6
V2
-40 ... 85

Technical data

PA 6
HB
-10 ... 65

Ordering data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
WT-BASE P HF 9,5 BK	3240710	100

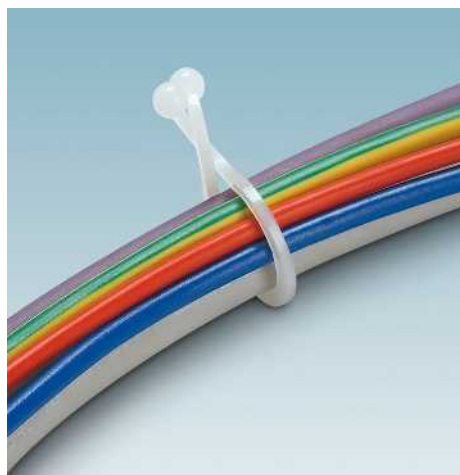
Description Color
Cable binder base, for cable binders of up to 8 mm width, with molded body-bound rivet, 6.5 mm drilling diameter

transparent

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

black

Cable drillers, for fast and tool-free bundling of conductors and cables



General data

Material
Inflammability class according to UL 94
Temperature range [°C]

Technical data

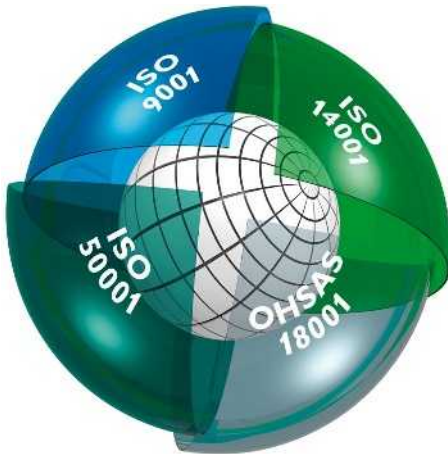
PA 6.6
V2
-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable driller				
Bundle diameters 5.1 - 7.6 mm	transparent	WG-D HF 7,6	3241099	1000
Bundle diameters 7.6 - 10.2 mm	transparent	WG-D HF 10,2	3241101	1000
Bundle diameters 10.2 - 12.7 mm	transparent	WG-D HF 12,7	3241103	1000
Bundle diameters 12.7 - 16 mm	transparent	WG-D HF 16	3241105	1000
Bundle diameters 16 - 20.3 mm	transparent	WG-D HF 20,3	3241107	1000
Cable driller				
Bundle diameters 5.1 - 7.6 mm	black	WG-D HF 7,6 BK	3241100	1000
Bundle diameters 7.6 - 10.2 mm	black	WG-D HF 10,2 BK	3241102	1000
Bundle diameters 10.2 - 12.7 mm	black	WG-D HF 12,7 BK	3241104	1000
Bundle diameters 12.7 - 16 mm	black	WG-D HF 16 BK	3241106	1000
Bundle diameters 16 - 20.3 mm	black	WG-D HF 20,3 BK	3241108	1000

- Fast and easy to use
- Can be removed again
- Reusable
- Tool-free mounting
- Ideal for temporary bundling
- Halogen-free/silicone-free

Quality in quantity



Integrated management system

The objective of the Phoenix Contact integrated management system is to integrate all requirements pertaining to products, processes, and the organization.

Statutory and regulatory requirements, as well as those of international standards and our customers, are met and, in some cases, even exceeded in all phases of the product lifecycle.

The integration of quality, environmental protection, and occupational safety into the Phoenix Contact management system is monitored for conformance every year by independent, internationally recognized institutes. Certifications according to international standards ISO 9001, ISO 14001, and BS OHSAS 18001 are for us the result of our corporate philosophy of meeting the needs of our customers, employees, and the environment to the greatest possible extent. They are used as the basis for innovative products with the trusted, high Phoenix Contact quality standard, active environmental protection, and responsible occupational health and safety. Of course we also integrate the additional requirements of standards, international approvals, and special customer requirements into our company processes.

The result of this system is a building block for the success of the Phoenix Contact Group as well as its products and services.

CE marking

CE marking was introduced as an important instrument for the free movement of goods within the European single market. By applying the mark to a product, the manufacturer confirms its compliance with all EU directives applicable to this product. The EC directives describe the product characteristics with regard to

device safety and the avoidance of risks. These are legally binding regulations of the European Union (EU), which means that the fulfilment of these requirements is a **legal prerequisite for the marketing of these products within the EU.**

Where applicable, our products currently fall within the scope of the following directives:

- 2006/95/EC
Electrical equipment for use within certain voltage limits (low-voltage directive)
- 2004/108/EC
Electromagnetic compatibility (EMC Directive)
- 2006/42/EC
Safety of machinery (Machinery Directive)
- 94/9/EC
Devices and protective systems for use in potentially explosive areas (ATEX 100a directive)
- 1999/5/EC
Wireless systems and telecommunications terminal equipment (R&TTE).

The standards used as the basis for the aforementioned directives have been at the heart of our development standard for some time as a way of ensuring compliance with European directives. The numbers of the directives indicate their version at the time of publication. In the event of changes to directives and/or standards, our products will undergo conformity assessment again in good time and a new declaration of conformity will be issued simultaneously. The current declarations for each product can also be found in our Download Center.

Among the aforementioned European directives, the EMC Directive plays a particularly important role. It uses a legally binding directive as the basis for defining electromagnetic compatibility as a fundamental device property. European legislation therefore places great emphasis on the electromagnetic compatibility of devices and systems as a basic prerequisite for the error-free operation of machines and systems. As an international leader in the field of surge protection, Phoenix Contact has extensive expertise in EMC. This expertise and the experiences gained over many years in the development and application of industrial interface and communication technology have resulted in an extremely high standard of quality for our products when it comes to electromagnetic compatibility. Our sister company, Phoenix Testlab, was founded in

order to share this expertise with other companies. Phoenix Testlab GmbH is an independent, accredited service company, which carries out EMC testing in compliance with the European standards. At Phoenix Testlab, devices are also tested with regard to their electrical safety, mechanical influences, and their behavior in relation to environmental influences. Phoenix Testlab is also a “Notified Body” according to EMC Directive 2004/108/EC and R&TTE directive 1999/5/EC for wireless systems and telecommunications terminal equipment. As a “Telecom Certification Body” (TCB), Phoenix Testlab is also able to approve these products for the markets in the USA, Canada, and Japan.

Standards and regulations

All relevant standards and regulations are used as the basis for the development and maintenance of our products.

International standards are subject to continuous changes as a result of harmonization and new developments. In order to comply with this process, we keep a record of the current version of the standards applicable to our products in the product area of our website at phoenixcontact.net/products.

Online product information service on the world wide web

Phoenix Contact is continuously extending its product range.

Within the scope of our product monitoring obligation, all products are subject to an improvement process.

The Internet is an ideal platform to quickly communicate new product developments and improvements to the market.

You can quickly access the relevant Phoenix Contact website for your region via phoenixcontact.com. There you will always find an up-to-date overview of products, solutions, and services from Phoenix Contact. This includes technical documents such as data sheets and user manuals, current driver and demo software, and a direct link to the relevant contact person.

Materials

Polyamide (PA)

Polyamide has excellent electrical, mechanical, chemical, and thermal properties, even at high operating temperatures. Brief peak temperatures of up to 200°C are permitted as a result of heat aging stabilization. Polyamide absorbs moisture from its surroundings (2.8% on average). This is not the embedded water of crystallization, however, but rather chemically bound H₂O groups in the molecular structure. This makes the plastic flexible and resistant to breakage, even at temperatures as low as -60°C. According to UL 94, PA belongs to inflammability class V2 to V0. The polyamide used by Phoenix Contact is silicone- and halogen-free and is suitable for use at temperatures between -60°C and +125°C.

Polycarbonate (PC)

Polycarbonate has a high mechanical strength and chemical resistance. Rigidity, dimensional stability, and good heat distortion resistance are further distinguishing features of this material. Polycarbonate is used to manufacture particularly smooth and stable marking materials. The polycarbonate used by Phoenix Contact absorbs little moisture, is silicone- and halogen-free, and is suitable for use at temperatures between -40°C and +125°C.

Polycarbonate/acrylonitrile butadiene styrene (PC/ABS)

PC/ABS blends are amorphous thermoplastics which are characterized by high impact strength potential even at low temperatures. They are resistant to acids and lyes, for example. In addition to benefiting from a high dimensional accuracy and low distortion tendency, they absorb little moisture. The products manufactured from these blends have high-gloss surfaces. Temperature range: -50°C to +90°C.

Acrylonitrile butadiene styrene (ABS)

ABS is a copolymer. It has a high impact strength and is strong and hard. The ABS used by Phoenix Contact is silicone-free and is suitable for use at temperatures between -40°C and +85°C.

Polyvinyl chloride (PVC)

PVC has a long service life. It is characterized in particular by its outstanding mechanical strength and high chemical resistance. Neither oxygen nor ozone affects PVC. The material is resistant to corrosive salt solutions and most acids. The polyvinyl chloride used by Phoenix Contact is silicone-free and is suitable for

use in temperatures between -30°C and +80°C.

Polyester

Polyester is a chemical-resistant material. It is ideally suited to printing, shaping, and punching. Polyester is resistant to UV radiation and absorbs little moisture. The polyester used by Phoenix Contact is silicone- and halogen-free. Depending on its composition, it is suitable for use in temperatures between -40°C and +150°C.

Polyolefine

Polyolefines are semi-crystalline thermoplastics, which can be easily processed as extrusion profiles (shrink sleeves). They are characterized by good chemical resistance. Silicone-free, temperature range: -55°C to +125°C.

Polyethylene (PE)

Polyethylene is a thermoplastic material which is highly resistant to acids, alkalis, and other solvents. PE absorbs hardly any moisture and has high durability and breaking elongation. Silicone- and halogen-free, temperature range: -40°C to +80°C.

Halogen-free

The term halogen-free, based on international standards for base materials for PCBs (e.g., IEC 61249-2-21, IPC 4101 C), relates to the elements chlorine and bromine in flame protection agents. This also forbids the use of flame protection agents containing halogen according to DIN EN ISO 1043-4.

This means that, according to the definition in the ZVEI position paper (requirements for the use of halogen-free products in the electrical and electronics industry), no flame protection agents containing halogen or PVC are present in the components.

Inflammability classification

UL 94 V0/1/2

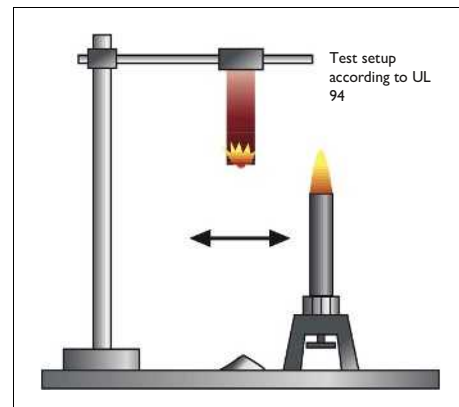
The inflammability tests for plastics have been defined by the Underwriters Laboratory (USA) in regulation UL 94. This applies to all areas of application, particularly in electrical engineering. Inflammability of the plastic material is examined in the test laboratory in a horizontal (HB - Horizontal Burn) or vertical (V - Vertical Burn) test with a naked flame. In order of increasing resistance to combustion, the evaluation classes are HB, V1, V2, V0. Test results are listed on "yellow cards" and are published annually in the Recognized Component Directory.

The flash point, the combustion point, and the ignition point of a material are decisive with regard to behavior in fire. The tests show that the classifications of UL 94 V1/2/0 are stricter than those of UL 94 HB.

The test bar is clamped vertically and flame-treated several times. Each flame treatment lasts 10 seconds. Between the flame treatments, the time until the test bar is extinguished is measured. Then the afterflame times and the drip behavior are evaluated.

This test setup is not suitable for foils and/or very thin test objects that shrink when exposed to the heat of the flame.

Phoenix Contact only uses plastics which conform to UL 94 V1/2/0.



Classification	UL 94 V0	UL 94 V1	UL 94 V2	UL 94 HB
Burning time after each flame treatment	≤ 10 s	≤ 30 s	≤ 30 s	-
Total burning time after 10 flame treatments	≤ 50 s	≤ 250 s	≤ 250 s	-
Glowing time after the 2nd flame treatment	≤ 30 s	≤ 60 s	≤ 60 s	-
Complete burn-off	No	No	No	Yes
Ignition of the wadding beneath the sample	No	No	No	-

Halogen-free flame protection

DIN EN ISO 1043-4

Halogens include the chemical elements astatine, fluorine, chlorine, bromine, and iodine. One characteristic of the halogen compounds of bromine and chlorine relates to the reduction in the degree of inflammability when used in plastics. In the event of fire, poisonous corrosive gases are formed. Secondary damage attributable in part to the water used to extinguish the fire can also be caused. For this reason, Phoenix Contact does not use any flame protection systems which contain halogens or other additives. Polyamide, polycarbonate,

polycarbonate/acrylonitrile butadiene styrene, acrylonitrile butadiene styrene, and polyolefines feature halogen-free flame protection systems.



Aging test

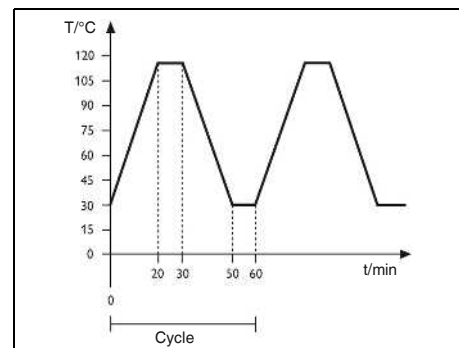
IEC 60947-7-1/-2

Terminal blocks are characterized, among other things, by long life cycles and their ability to safely withstand continuous temperatures of +125°C. In order to ensure that the printing of these terminal blocks also meets these requirements, Phoenix Contact uses marking materials with heat stabilizers.

To simulate usage over several years, the marking materials, together with the terminal blocks or conductors, are subjected to a defined temperature cycle in the climate cabinet. The minimum temperature in the climate cabinet is set to +20°C and the maximum temperature to

+120°C (+80°C for PVC). The test objects reach the maximum permissible operating temperature during the warming phase and the 10-minute pause phase. The cooling down phase follows. This test consists of a total of 192 cycles.

Without exception, Phoenix Contact marking materials are tested according to IEC 60947-7-1/-2. All plastics used also have sufficient safety reserves.



Temperature in relation to time

Resistance to oil and chemicals

According to DIN EN ISO 175

Physical and/or chemical processes/reactions can occur as a result of external media, such as liquids or gases. This can result in a change to the plastic's properties. The plastic can be damaged or even destroyed. Imprints and labels can also be affected by these changes.

In order to prevent this from happening, Phoenix Contact uses only plastics and printing/marketing materials which have been tested based on DIN EN ISO 175.

Chemical	Weight %
Alkalis	
Sodium hydroxide solution	3
Potassium hydroxide solution	3
Ammonium hydroxide (ammonia water)	25
Alcohols	
Ethanol	100
1-propanol	100
2-propanol	100
Diethylene glycol	100
Aldehyde/ketones	
Ethyl acetate	100

Chemical	Weight %
Oils, greases, aliphatic and aromatic hydrocarbons	
IRM 902	100
IRM 903	100
ASTM No.1	100
Xylol	100
Test benzene (180/220)	100
Hycut SU 68	100
Hycut SET 46	100
Shell Tellus 92	100
Aqueous salt solutions	
Sodium chloride	5
Potassium chloride	5
Ammonium chloride (ammonia solution)	100

UV light resistance

According to DIN EN ISO 4892-2 and DIN EN ISO 60068-2-5

UV-B components restrict mechanical properties in plastics. As a consequence, imprints and labels can be damaged to a greater or lesser extent dependent upon the type of plastic.

Marking materials from Phoenix Contact can be stored in dry as well as humid atmospheres under UV radiation and are tested in accordance with the aforementioned standards.



Corrosion test

DIN 50018

Extreme ambient influences impose demanding requirements on components and their Marking and labeling.

The following test method, based on DIN 50018, describes the corrosion test in an alternating condensation climate with an atmosphere that contains sulfur dioxide.

Two liters of distilled water and one liter of SO₂ gas are introduced into a climate cabinet. During the test and at a test temperature of 40°C, an acidic atmosphere is formed, which affects the material surfaces of the test objects. After a testing time of eight hours, the test objects are left to dry for 16 hours with the door open. Finally, a microscopic visual check is performed.

All marking materials used by Phoenix Contact conform to this demanding standard and are resistant to aggressive substances.



Salt spray

IEC 60068-2-11/-52

In the shipbuilding industry in particular, technical components must be marked in a way that is legible at all times in corrosive atmospheres. The salt content of the air in combination with the increased humidity places high demands on the imprints and materials used. The impact of the climate at sea can be simulated on the basis of IEC 60068-2-11/-52.

The resistance of the materials is tested with salt spray in a corrosive atmosphere. The test objects are placed in the test chamber and subjected to a finely dosed spray of 5% sodium chloride solution (NaCl; pH value 6.5 - 7.2) at a temperature of +35°C for a period of 96 hours. A microscopic inspection is performed after the test.

Phoenix Contact marking materials fulfill these stringent requirements and can be used even in extreme climatic conditions.



Resistance to solvents

According to EN 60464-2:2001

Markings and imprints must be able to withstand a variety of different solvent vapors. According to the aforementioned standard, imprints and markings are stored in an acetone, n-hexane, and ethanol atmosphere for 10 days, after which they must continue to be legible.

Phoenix Contact marking materials are solvent-resistant and fulfill the stringent requirements.

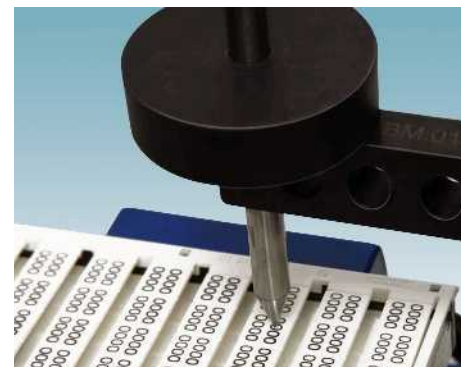
Scratch resistance

According to DIN EN ISO 1518

Markings and imprints must also be resistant to point and/or linear mechanical loads.

For this reason, Phoenix Contact tests all markings and imprints for scratch resistance in accordance with the aforementioned standard. The test is carried out by applying a scratching tool with a hemispherical tip (1 mm in diameter) to the test objects. Depending on the printing procedure, a force of between 2 N and 6 N is applied. This is followed by a visual and microscopic

inspection of the test objects. Phoenix Contact marking materials fulfill these high mechanical requirements.



Resistance to abrasion

According to KIMW 003, Part 1 In-house standard of the Lüdenscheld Plastics Institute

Markings and imprints must be resistant to surface loads. The aforementioned in-house standard prescribes the grouping of labels and imprints into load classes. A felt disk (hardness H1 according to DIN 61200) is subjected to various numbers of strokes (1000, 10,000, 30,000) with a pressure force of 1 N, 2 N, and/or 4 N. Imprints are classified into the various load classes

defined in the in-house standard on the basis of the pressure force and the number of strokes at which they sustain damage.

Phoenix Contact imprints and markings meet the requirements of the highest load class K9 (30,000 strokes with a 4 N pressure force).

Abrasion and wipe resistance

According to DIN EN 61010-1

Markings and imprints must be resistant to standard industrial cleaning agents. The aforementioned standard prescribes the use of a soft cloth with water, isopropanol, petroleum ether, and n-hexane to clean markings and imprints. They must remain clearly legible after cleaning.

Phoenix Contact marking materials fulfill the stringent requirements as regards abrasion and wipe resistance and can be used in all applications.



Vibration resistance

According to IEC 60068-2-6

This test demonstrates the vibration resistance and the tight fit of the marking materials under the influence of continuous vibrations. Harmonic, sinusoidal vibrations are applied to the test object to simulate rotating, pulsating or oscillating forces. The test is performed on each of the three spatial axes (x, y, z). In the test, the objects run through a frequency range of 3 Hz to 150 Hz at a speed of one octave per

minute. The r.m.s. value of the acceleration is up to 50 m/s². The test objects are tested in the three axes for two hours each. The marking materials must not be damaged in such a way that would impair their continued use.

All Phoenix Contact marking materials meet the requirements of the standard and are particularly suitable for applications in

which they are subjected to high levels of vibration.

Vibration test

According to DIN EN 61373 - broadband noise (intensity according to DIN EN 50155)

In many applications and especially in traffic technology, marking materials are subjected to vibrations and shocks. For a practical simulation of vibration stress, the test objects are tested for vibration resistance at increasing and decreasing frequencies and amplitudes. In the test, the objects run through a frequency range of 5 Hz to 150 Hz. The r.m.s. value of the acceleration is up to 42.5 m/s^2 . The test objects are tested for five hours in each of the three axes (x, y, z). The components and marking materials must not be damaged in

such a way that would impair their continued use.

All Phoenix Contact marking materials fulfill these stringent vibration requirements.



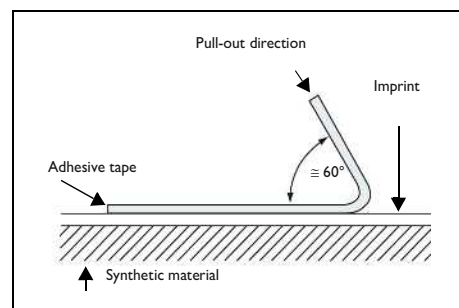
Grid test

According to DIN EN ISO 2409

A Sellotape test is conducted based on DIN EN ISO 2409. A transparent strip of self-adhesive tape with an adhesive strength of $10 \pm 1 \text{ N}$ is attached to the imprint or marking to be tested. It is then pulled away from the surface at an angle of 60° to the direction of tensile force at a speed of 1 cm/s .

There should be no marks from the print on the adhesive tape after the test.

Phoenix Contact marking materials meet the requirements of this standard. They are tough and resistant to peeling.

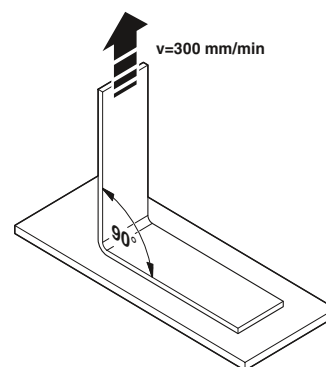


Test setup

Adhesive strength test

According to FINAT test method No. 2

This test is used to compare the adhesive strength of labels on a variety of base materials. To this end, a strip of labels (25 mm x 175 mm) is applied to the respective base material with a specified force. After a defined storage period, the strip is removed from the base material at an angle of 90° and a speed of 300 mm/min . The adhesive strength is specified in $\text{N}/25 \text{ mm}$. The test therefore enables the most suitable label to be selected for the application.



Cutting

Shear cutting

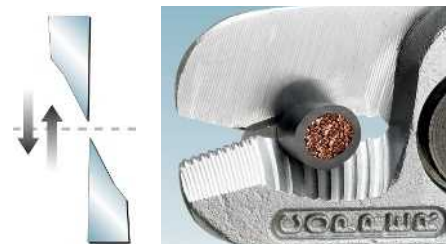
Ratchet-driven cable cutters are a quick and reliable solution for cutting conductors and cables in the upper cross-section range up to 1400 mm². Special cutting geometries help to ensure that the tool is easily accessible and can be relied upon to produce burr-free right-angle cuts. In this cutting procedure, which is also known as shear cutting, the two blades move towards and past one another and cut (shear) the material without burring. DIN 8588 describes this procedure as severing.

Bite cutting

During bite cutting, the material is severed by two wedge-shaped blades moving in opposite directions. The wedge angle set for the blades is deliberately large and stable. In addition to the hardening of the entire tool, the cutting area is subsequently hardened again inductively to 62 HRC. This makes it possible to sever even extremely hard materials such as piano wire and spring steel with a tensile strength

of up to 2300 N/mm² without damaging the tool. Bite cutting is suitable only to a limited extent for cutting through cables and lines.

The high-quality CUTFOX cutting tools from Phoenix Contact can be relied upon for long-term stability and permanently consistent results.



Shear cutting



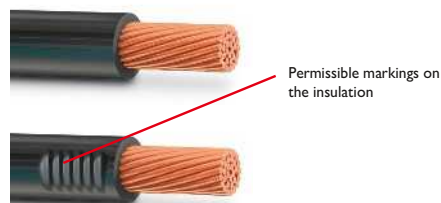
Bite cutting

Stripping

Stripping describes the removal of the insulation of conductors up to 16 mm². In the case of larger conductor cross sections and multiple-wire and multi-layer conductors and cables, only the outer insulation sheath is removed. The length of the insulation to be removed varies according to the terminal point and connector. Removing the insulation must not damage either the single inner wires or the braided shield. The remaining insulation must also remain intact, although pressure points on and color changes in the insulation material are permitted. Further faults that need to be prevented are stipulated in DIN IEC 60352.

Suitable blade geometries are used to process special insulation materials. V blades are used for both hard (e.g., Teflon/Radox®) and soft rubber insulations (silicone).

Phoenix Contact WIREFOX automatic stripping pliers can remove insulation quickly and correctly.



Cable stripped correctly according to DIN IEC 60352



Cable stripped incorrectly according to DIN IEC 60352

Crimping/pressing/crushing

Crimping describes the joining of contact and conductor mechanically. In addition to crimping, two other terms are used dependent upon the type of deformation. A distinction is made between squeezing (for insulated cable lugs) and pressing (for ferrules and non-insulated cable lugs). Slip-on blade connectors are described as being crimped.

A number of important points must be considered in order to establish a reliable connection between contact and conductor:

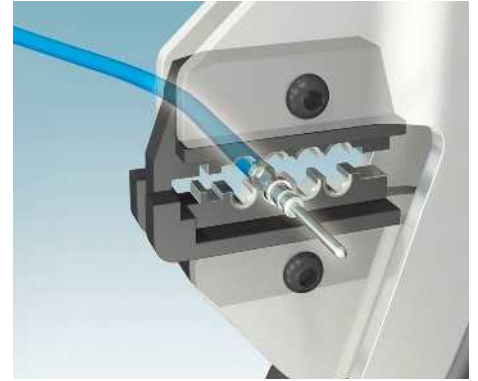
- The conductor must be prepared correctly
- The contact and the conductor must be compatible
- The conductor must be positioned correctly in the contact
- A suitable crimping tool must be selected

Professional crimping pliers are always equipped with a releasing pressure lock. They unlock as soon as the required crimping pressure is attained, thus ruling out the possibility of too little pressure. This guarantees the user a consistent

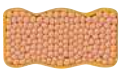
crimping result with maximum pull-out values.

The DIN EN 60352-1 and DIN EN 60999-1 standards are among the references used to assess crimping results. In addition to a variety of electrical and mechanical tests, conductor pull-out tests are the decisive criterion.

All Phoenix Contact crimping tools have been adjusted and tested according to valid standards. They ensure gas-tight crimping that will remain stable in the long-term.



Pressing



WM crimp

For crimping ferrules according to DIN 46228-1 and DIN 46228-4. Areas of application: for conductor sizes 10 - 50 mm².



B crimp

For crimping non-insulated slip-on blade connectors and slip-on sleeves. Areas of application: for conductor sizes 0.1 - 6 mm².



Hex crimp

For crimping non-insulated tubular cable lugs, coaxial connectors, and fiber optic connectors. Areas of application: for conductor sizes 0.5 - 6 mm². Coaxial: 1.73 mm, 2.54 mm, 8.23 mm, 10.54 mm, and 10.9 mm. FO: 3.25 mm, 3.84 mm, 4.52 mm, 5.0 mm, and 5.41 mm.



Square crimp

For crimping ferrules according to DIN 46228. Areas of application: for conductor sizes 0.14 - 10 mm².



Indent/prong crimp

For crimping non-insulated cable lugs. Areas of application: for conductor sizes 0.75 - 10 mm².



Trapezoid crimp

For crimping ferrules according to DIN 46228-1 and DIN 46228-4. Areas of application: for conductor sizes 0.25 - 10 mm².



Oval crimp

For crimping insulated cable lugs and connectors. Areas of application: for conductor sizes 0.1 - 6 mm².



Double indent crimp

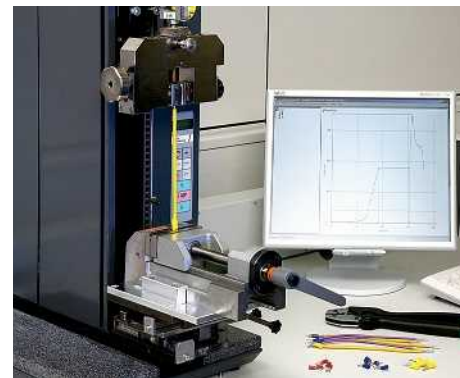
For crimping non-insulated cable lugs. Areas of application: for conductor sizes 0.75 - 10 mm².

Conductor pull-out test

DIN EN 60352-2

In practice, crimping points can be affected by tensile forces during wiring or operation. Therefore, crimped contacts must offer a high degree of mechanical safety. To test the tensile load capacity of the crimp, a predefined cross-sectional tensile force is applied for a period of 60 seconds. The tensile force exerts stress on the conductor at the crimping point. The crimp must withstand the load without sustaining damage.

The test results for Phoenix Contact contacts are significantly higher than the minimum values required by the standard.



Conductor cross sections/conductor pull-out forces

Structure and dimensions of connecting cables

Conductor pull-out forces

AWG/kcmil	Metric conductor cross section [mm²]	Comparable conductor cross section [mm²]	Crimping sleeves DIN EN 60352-2 (11/2006) [N] ²⁾	Ferrules IEC EN 60999 ¹⁾ (up to 35 mm²) [N] ³⁾	Ferrules IEC EN 60947-7-1 (35 mm² and above) [N] ³⁾
30	0.0507	0.05	6		
(29)	0.0647				
28	0.0804	0.08	11		
(27)	0.102				
26	0.128	0.12	15		
(25)	0.163	0.14	18		
24	0.205	0.22	28	10	
(23)	0.259	0.25	32		
22	0.325	0.32	40	15	
(21)	0.412				
20	0.519	0.5	60	20	
(19)	0.653	0.75	85	30	
18	0.824	0.82	90	30	
(17)	1.04	1	108	35	
16	1.307	1.3	135	40	
(15)	1.651	1.5	150	40	
14	2.082	2.1	200	50	
(13)	2.627	2.5	230	50	
12	3.307	3.3	275	60	
(11)	4.169	4	310	60	
10	5.26	6	360	80	
(9)	6.633				
8	8.367	8.4	370	90	
(7)	10.55	10	380	90	
6	13.229			100	
(5)	16.767	16			
4	21.148			135	
(3)	26.667	25		156	
2	33.624	35		190	
1	42.406				236
0	53.482	50			236
00	67.43	70			285
000	85.014	95			351
0000	107.22	120			427
250 kcmil	127	120			427
300 kcmil	152	150			427
350 kcmil	177	185			503
400 kcmil	203				503
500 kcmil	253	240			578
600 kcmil	304	300			578

¹⁾ DIN 57609 has been replaced by IEC EN 60999.

²⁾ Pull-out values for open and closed crimping sleeves and insulated crimping sleeves.

³⁾ Pull-out values for ferrules, insulated and non-insulated.

Gas tightness

Corrosion-free contact areas are a prerequisite for high-performance and low-resistance connections. The corrosion test described below shows that when used correctly at contact points, Phoenix Contact crimping tools and connectors achieve a permanent gas-tight connection that remains intact even when exposed to aggressive substances.

The test method, which is based on DIN 50018, describes the corrosion test in an alternating condensation climate with an atmosphere that contains sulfur dioxide.

Two liters of distilled water and one liter of SO₂ gas are introduced into a climate cabinet. At a test temperature of 40°C, acidic compounds < Ph 7 form during the test and attack the metal surfaces. After a testing time of eight hours, the test objects are left to dry for 16 hours with the door open. A visual check follows. Before and after the corrosion test, the contact resistance of the contacts is recorded according to DIN EN 60512-2-1:2002. Changes that can be attributed to the effects of corrosion are investigated.

Color codes

Conductors are marked in different colors so that different types can be identified more easily. Conductor cross sections and their corresponding color codes are listed in the table.

Conductor cross section		Color
[mm²]	AWG	
0.1 - 0.5 0.25 - 0.75	26 - 20 24 - 18	yellow/light green green
0.5 - 1.5 1.5 - 2.5	20 - 16 16 - 14	red blue
4 - 6 10	12 - 10 8	yellow red
16 25	6 4	blue yellow

Tightening torque of terminal block screws

DIN EN 60947-1

Table 4 of the standard specifies the tightening torque to demonstrate the mechanical strength of screw connections/screw terminal blocks.

Although these torques are sufficient for connecting conductors with Phoenix Contact terminal blocks,

The table opposite lists recommended tightening torques which differ from those in this standard and will ensure gas-tight connections that remain stable in the long term.

Phoenix Contact torque screwdrivers can be set to the corresponding torques.

Extract from DIN EN 60947-1/EN 60947-1, Table 4

The torque according to IEC/EN and the recommended tightening torque for Phoenix Contact terminal blocks are specified.

Head screw with slot	
Thread	Torque
	[Nm]
M1.6	0.1*
M2.0	0.2*
M2.5 (M2.6)	0.4*
M3	0.5*
M4	1.2*
M4.5	1.8*
M5	2.0*
M6	2.5*
M8	3.5*
M10	4.0*/10**
M12	14**
M14	19**
M16	25**
M20	36**
M24	50**

* Valid for nuts and screws tightened with screwdrivers.

**Valid for nuts and screws that can be tightened with tools other than screwdrivers.

Color designations

Color	Code
White	WH
Red	RD
Blue	BU
Green	GN
Yellow	YE
Gray	GY
Brown	BN
Orange	OG
Black	BK
Turquoise	TQ
Ivory	IV
Beige	BE
Olive	OL

DIN rails

DIN rails/protective conductor busbars

Extract from IEC 60947-7-2/EN 60947-7-2/DIN EN 60947-7-2/VDE 0611-3

Phoenix Contact type	Rail profile	Material	Short-circuit current rating ≅ E CU conductor [mm²]*	Short-time withstand current 1 s [kA]	Max. permissible thermal nominal current for PEN function [A]
NS 15 UNPERF 2000MM	DIN rail, acc. to EN 60715 – 15 x 5.5	Steel	10	1.2	**
NS 15 PERF 2000MM	DIN rail, acc. to EN 60715 – 15 x 5.5	Steel	10	1.2	**
NS 15-AL PERF 2000MM	DIN rail, dimensions acc. to EN 60715 – 15 x 5.5	Aluminum	16	1.92	76
NS 32 UNPERF 2000MM	G-profile rail, acc. to EN 60715 – G 32	Steel	35	4.2	**
NS 32 PERF 2000MM	G-profile rail, acc. to EN 60715 – G 32	Steel	35	4.2	**
NS 32-CU/35 QMM UNPERF 2000MM	G-profile rail, dimensions acc. to EN 60715 – G 32	Copper	120	14.4	269
NS 32-CU/120 QMM UNPERF 2000MM	G-profile rail, similar to EN 60715 – G 32	Copper	150	18.0	309
NS 35/7,5 UNPERF 2000MM	DIN rail, acc. to EN 60715 – 35 x 7.5	Steel	16	1.92	**
NS 35/7,5 PERF 2000MM	DIN rail, acc. to EN 60715 – 35 x 7.5	Steel	16	1.92	**
NS 35/7,5 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	**
NS 35/7,5 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	**
NS 35/7,5 V2A UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	**
NS 35/7,5-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Copper	50	6.0	150
NS 35/7,5-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Aluminum	35	4.2	125
NS 35/15-2,3 UNPERF 2000MM	DIN rail, acc. to EN 60715 – 35 x 15	Steel	50	6.0	**
NS 35/15 UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	**
NS 35/15 PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	**
NS 35/15 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	**
NS 35/15 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	**
NS 35/15-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Copper	95	11.4	232
NS 35/15-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Aluminum	70	8.4	192

* Cross sections calculated according to IEC 60439-1/EN 60439-1/DIN EN 60439-1/VDE 0660-500.

** Protective conductor busbars made of steel may not be used for the PEN function.

Clearances and creepage distances

IEC 60947-7-1/UL 1059

Carrying out a dimensional check of clearances and creepage distances confirms that electrical insulation properties are adequate with respect to the following:

- **Application**
- **Expected pollution**
- **Ambient conditions**

The minimum distances are defined in IEC 60947-1 and UL 1059.

The distance is verified by measuring between two neighboring terminal blocks and the support, taking into account the shortest distances.

For the clearance, this means:

It is the shortest distance in the air between two conductive parts. The deciding factors for rating the minimum clearance values are the rated surge voltage and the surge voltage category of the terminal block.

For the creepage distances, this means:

It is the shortest distance along the insulating body between two conductive

parts. The deciding factors for determining the minimum creepage distance are the rated voltage, the pollution degree, and the insulation material group of the terminal block.

The minimum values can be taken from the tables of the relevant standards.

IEC 60947-7-1

Phoenix Contact terminal blocks are designed with surge voltage category III and pollution degree 3 with the required distances.

UL 1059

Phoenix Contact terminal blocks are generally designed for a nominal voltage of 600 V in Use Group C.

Detailed information can be found in the data sheets or the catalog documentation.

UL Use Group	Definition	Max. voltage [V]
A	Operating elements, consoles, and similar	150 300 600
B	Conventional devices, including office and electronic data processing equipment and similar	150 300 600
C	Industrial applications, without restrictions	150 300 600
D	Industrial applications, equipment with limited rating	300 600

Certification bodies and safety marks

Certification bodies and approvals	Country code	 Explosion protection	Country code	Ship classification societies	Country code
 IECEE CB Scheme (in combination with certifying body)	International	 International Electrotechnical Commission	International	 Bureau Veritas	FR
 CENELEC Certification Agreement (CCA inspection report) (in combination with certifying body)	EU	 DEKRA Certification B.V.	NL	 Germanischer Lloyd AG	DE
 Canadian Standards Association (CSA)	CA	 Physikalisch-Technische Bundesanstalt	DE	 Lloyd's Register of Shipping	GB
 Canadian Standards Association (CSA) - CSA approval for the USA -	US	 KIWA Nederland B.V.	NL	 Nippon Kaiji Kyokai	JP
 Canadian Standards Association. (CSA) Combined logo - CSA approval for Canada and the USA -	CA US	 QS Schaffhausen AG	CH	 Det Norske Veritas	NO
 Underwriters Laboratories Inc. (UL)	US	 VTT Expert Services Oy	FI	 Polski Rejestr Statków	PL
 Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA	 IBExU Institut für Sicherheitstechnik GmbH	DE	 Russian Maritime Register of Shipping	RU
 Underwriters Laboratories Inc. (UL) Combined logo - UL approval for the USA and Canada -	US CA	 TÜV Rheinland do Brasil	BR	 Korean Register of Shipping	KR
 INSIEME PER LA QUALITA' E LA SICUREZZA	IT	 Technischer Überwachungsverein Nord	DE	 American Bureau of Shipping	US
 Eurasian Conformity	BY KZ RU	 DEKRA EXAM GmbH	DE		
 DEKRA Certification B.V.	NL	 Canadian Standards Association (CSA)	CA		
 Österreichischer Verband für Elektrotechnik	AT	 Canadian Standards Association (CSA) - CSA approval for the USA -	US		
 electrosuisse SEV Verband für Elektro-, Energie- und Informationstechnik	CH	 Canadian Standards Association. (CSA) Combined logo - CSA approval for Canada and the USA -	CA US		
 Verband Deutscher Elektrotechniker e.V. (VDE) - Approval of drawings - Reports with production monitoring	DE	 Underwriters Laboratories Inc. (UL)	US		
 Berufsgenossenschaft (BG) GS - Geprüfte Sicherheit	DE	 Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA		
 Intertek ETL Listed - Approval for the USA -	US	 Underwriters Laboratories Inc. (UL) Combined logo - UL approval for the USA and Canada -	US CA		
 Intertek ETL Listed - Approval for Canada -	CA	 FM Approvals	US		
 Intertek ETL Listed - Approval for the USA and Canada -	US CA	 Eurasian Conformity for Ex-products	BY KZ RU		
 TÜV Rheinland Industrie Service GmbH	DE				
 China Compulsory Certificate	CN				

For up-to-date modifications or supplements
to the catalog contents, please visit:
phoenixcontact.net/webcode/#0132



Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru