Marking Systems
Tools
Mounting Material

5

2013 / 2014

PHOENIX CONTACT
INSPIRING INNOVATIONS

PCB connection technology and electronics housing
- PCB terminal blocks and plug-in connectors
- Electronics housing

Connection technology for field devices
- Plug-in connectors
- Cables and connectors

Modular terminal blocks
- Modular terminal blocks

Sensor/actuator cabling and industrial plug-in connectors
- Sensor/actuator cabling
- Cables and connectors
- Plug-in connectors

Marking systems, tools, and mounting material

Surge protection and power supply units
- Lightning monitoring system
- Surge protection and interference filters
- Power supply units and UPS
- Protective devices

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

Control technology, I/O systems and automation infrastructure
- Ethernet networks • Functional safety • HMIs and industrial PCs • I/O systems
- Industrial lighting and signaling • Industrial communication technology
- Fieldbus components and systems • Wireless data communication
- Process infrastructure • Software • Controllers

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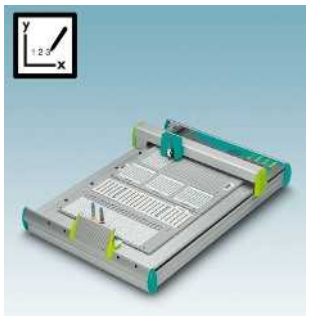

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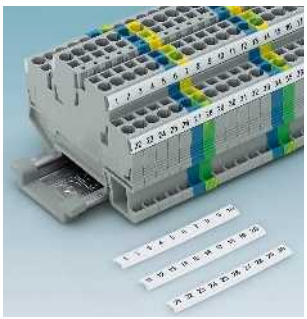

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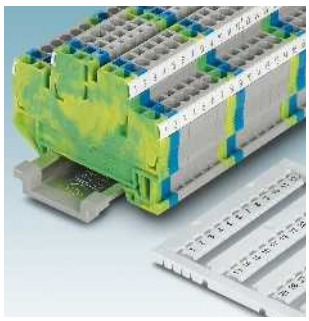

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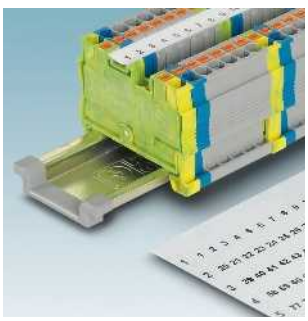

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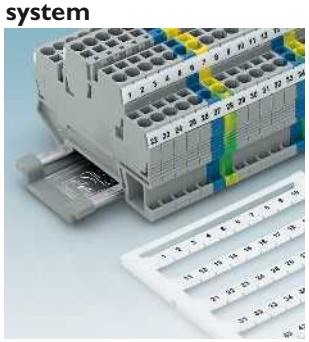

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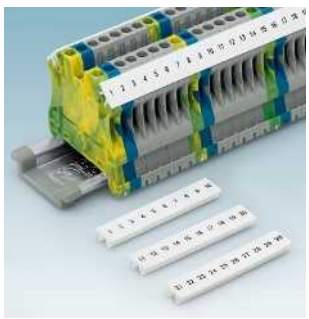

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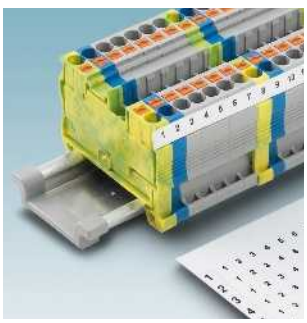

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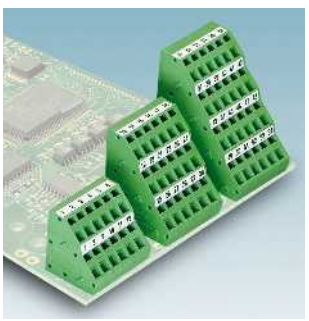

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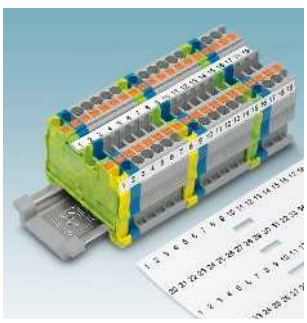

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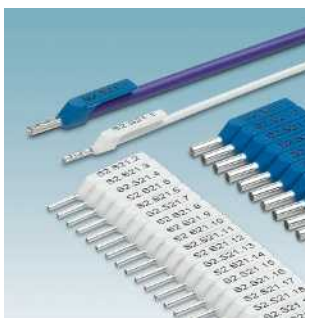

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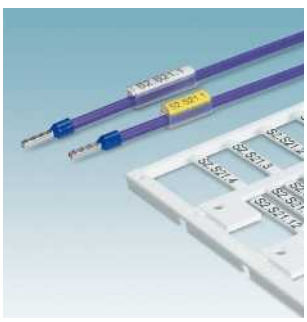

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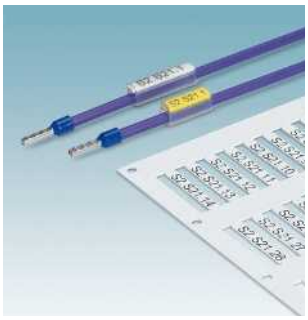

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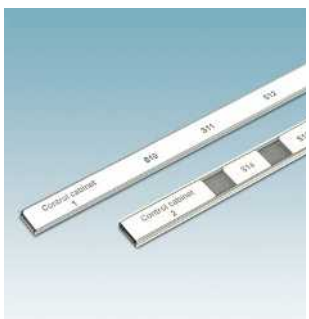

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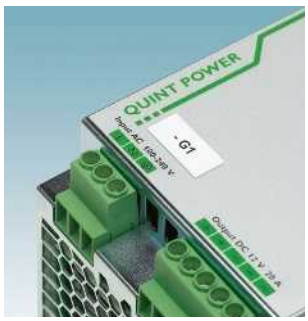

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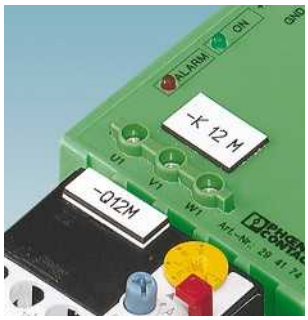

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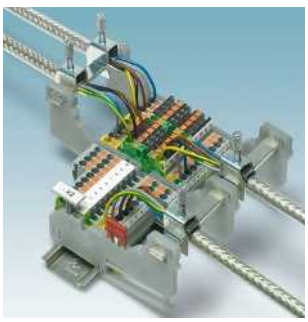

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Marking systems, tools, and mounting material

Optimize all of the processes involved in the setup, installation, and maintenance of your control cabinets and switchgear. We can help you achieve this with perfectly co-ordinated products from our marking, tool, and mounting material ranges. In this catalog you will find everything you need for marking, securing, and mounting your control cabinet components.

MARKING system

MARKING system provides the perfect solutions for terminal, conductor, cable, device, and system marking. It places at your disposal the CLIP PROJECT planning and marking software, various printing systems, and a wide variety of marking materials.

TOOL fox

TOOL fox is the complete range of professional processing and measuring tools. Designed for use in all processes in electrical engineering, the tools and automatic devices impress with their optimum handling and quality.

CABINET add-on

CABINET add-on stands for modern control cabinet technology. DIN rails and end brackets ensure the secure attachment of terminal boards and modules, while shield connection clamps guarantee EMC-compliant system wiring and cable ducts bring order to the control cabinet.

Service

Choose the complete range. Working to your specifications, we will manufacture and label terminal strips and complete terminal boxes or modules for direct installation in your application.

MARKING system

MARKING system is the intelligent solution for quick and easy terminal, conductor, cable, device, and system marking. The marking data is transferred from the CLIP PROJECT planning and marking software to the printers at the click of a mouse. Whether your printing system involves a BLUEMARK CLED high-speed printer, a thermal transfer printer or a plotter, a wide range of marking material is available.

Terminal marking

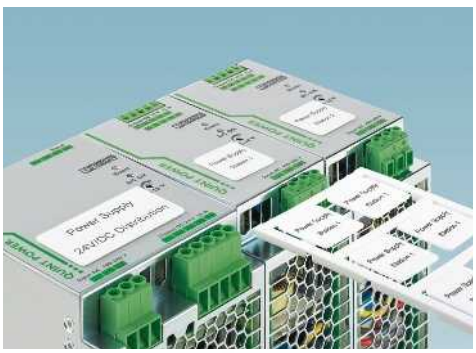
Terminal markers are available marked and unmarked in UniCard and UniSheet format as well as in roll and sheet form. Our marking service also enables terminal markers to be printed according to customer specifications.

Conductor and cable marking

Conductors and cables can be marked in numerous different ways. The markers can either be threaded on, pushed on, clipped on, adhered in place or attached with cable binders. They are available unprinted or can be ordered from our marking service printed according to customer specifications.

Device marking

Various device markers are available for the optimum and individual marking of control cabinets, switchgear, and their components. Our marking service also enables markers to be printed according to customer specifications.



System marking

Numerous safety markings are available for the clear and comprehensive marking of systems. These are available unprinted or can be custom-printed by our marking service according to customer specifications.

TOOL fox

TOOL fox consists of the full range of professional 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 devices, stripping machines, and crimping machines can be used to automate work steps.

Cutting tools

The use of professional cutting tools should result in a precise intersection without deforming the conductor. Our precision cutting tools meet this requirement and are suitable for cables up to 100 mm in diameter.

Stripping tools

Correct stripping and dismantling can only be achieved with professional stripping tools. Special geometries and hardened blades ensure accurate results every time. Automatic conductor cross section setting provides reliable protection against damage to the conductors.

Crimping tools

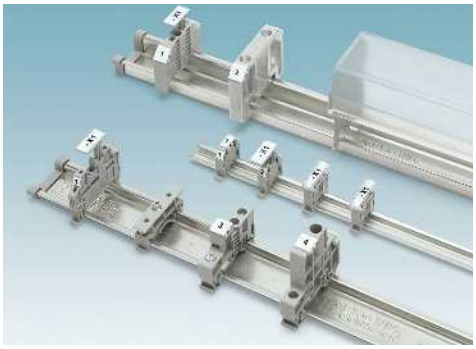
Once they have been stripped, cable ends can be equipped with various ferrules and a range of connectors. Professional crimping pliers are available for this purpose. These guarantee long-term, stable, and gas-tight high-quality crimping for all conductors and cables up to 120 mm².

CABINET add-on

CABINET add-on stands for modern control cabinet technology which ensures that control cabinets and switchgear can be set up quickly and take up as little space as possible. DIN rails and end brackets ensure the secure attachment of electrical connecting elements and components. Shield connection clamps guarantee EMC-compliant system wiring. The cable management product range spans from the innovative CES space- and cost-saving cable entry system, across the extensive range of cable protection systems and cable ducts, right up to cable binders for every application.

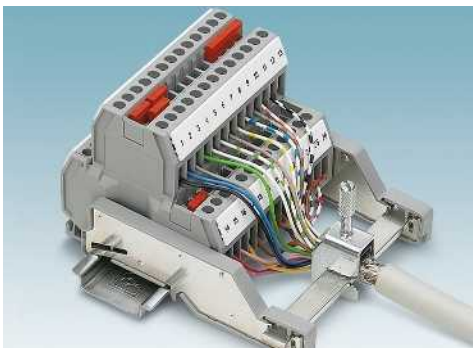
Component mounting

You can save time when securing electrical connections and components in switchgear by using suitable mounting devices. In addition, you can make optimum use of the space in the control cabinet by combining mounting accessories.



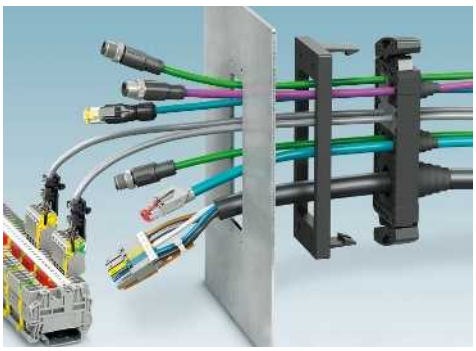
Shielding

A wide selection of shield connection clamps, neutral busbars, and supports guarantees that the wiring of the control cabinet or the switch system complies with EMC regulations and also ensures optimum wiring convenience.



Cable entry system

The CES cable entry system allows you to insert a variety of pre-assembled conductors, cables, and protective hoses into areas with limited space in control cabinets, distributor boxes or devices, in a way which protects them against water and dust.



Cable bundling and cable routing

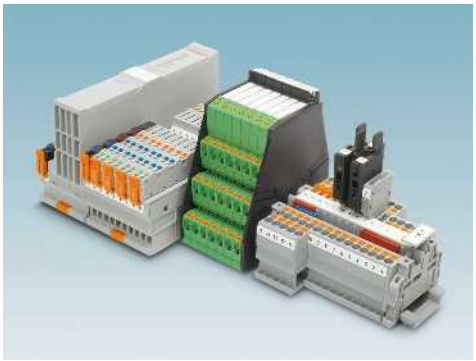
Use cable ducts to bring order to your control cabinet. Cable clamps are used to fix the cables running from the field. The conductors are bundled together quickly and easily using plastic cable markers and routed into the cable ducts. Protective hoses provide the right cable protection for every application.

Our services

At Phoenix Contact, trendsetting products are complemented by a comprehensive range of services. Wherever you are in the world, our global network means that you can rely on our service. Being at home all over the world and speaking the language of the user is what we understand by customer proximity. We live up to this with more than 40 Phoenix Contact subsidiaries and in excess of 30 representatives in other countries.

Terminal strip production

Pre-assembled terminal strips enable you to both streamline your process sequences and save installation time. We supply your terminal strips fully labeled.

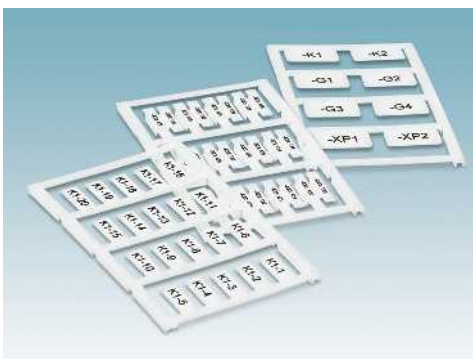


Control box production

We can produce fully assembled control boxes to your specifications. Our service even includes putting together custom product sets.

Labeling service

With CLIP PROJECT, the planning and marking software, you can create labels to suit your wishes. Just use the built-in e-mail function to send the data to us, and we will deliver ready-printed marking materials directly to your production facility. Quick and easy – all you have to do is mount the materials.



PHOENIX CONTACT
UC-TM 6
ePLAN
CLIP PROJECT
CLIP PROJECT
Phoenix Contact Assembly Designer
Multilingual
PHOENIX CONTACT
INSPIRING INNOVATIONS

Planning and marking software - CLIP PROJECT

The CLIP PROJECT 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 up 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.

Product range overview

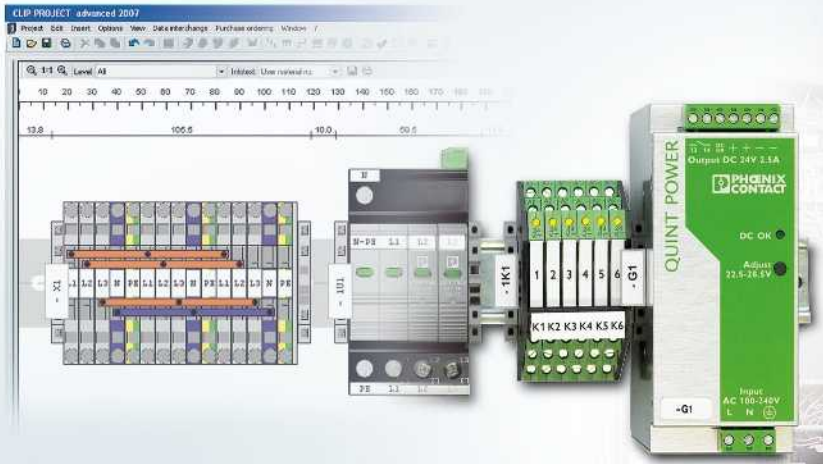
CLIP PROJECT planning and marking software	**22**
CLIP PROJECT advanced	**26**
CLIP PROJECT professional	**27**

A consistent system from configuration through to the finished application

CLIP PROJECT combines the proven planning software for terminal strip configuration with a high-performance marking tool. Direct data exchange with all conventional CAE programs, along with the creation of the complete project documentation, are what make this configuration software unique. CLIP PROJECT provides the perfect output devices and marking materials for terminal, conductor, device, and system marking. Quite simply, it is a single piece of software that is compatible with all printing systems and can be used to label any type of application.

Configuration ...

Production ...

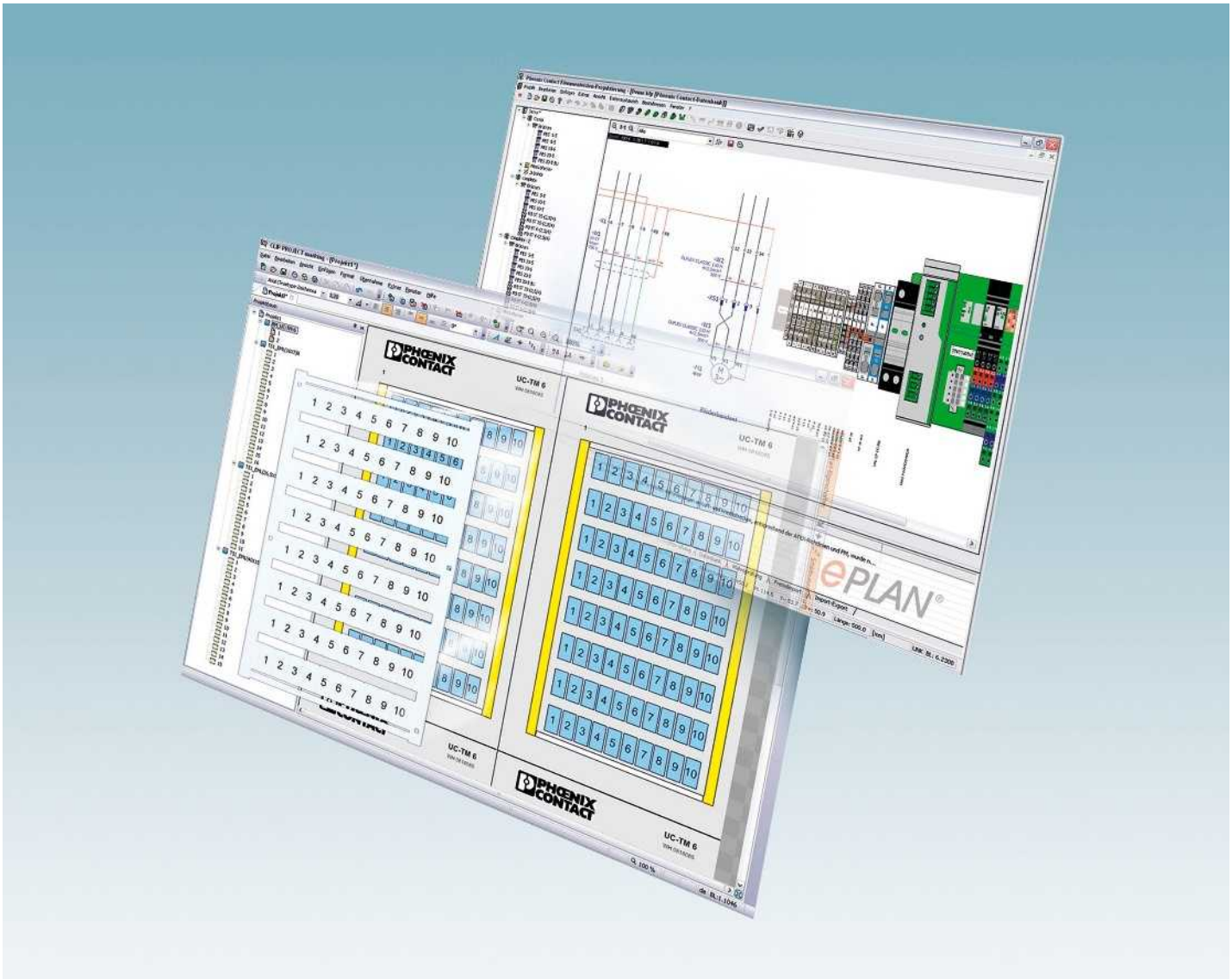


Complete documentation
CLIP PROJECT creates complete order, parts, structure, and mounting lists at the click of a mouse.

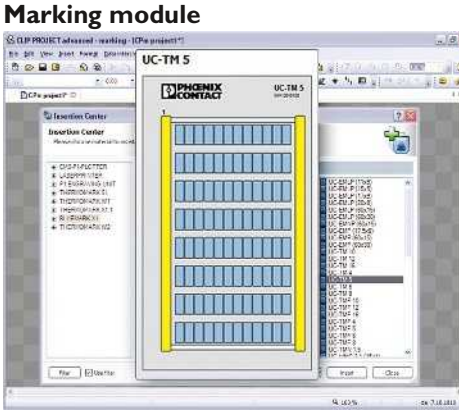
... Mounting

We make everything to suit your requirements
With CLIP PROJECT, you can create markers or complete terminal strips in accordance with your specifications. Just send the data to us using the built-in e-mail function.
We can provide markings that are printed precisely to meet the requirements of your application or even completely labeled terminal strips. Direct to your production facility, quickly and easily - all you need to take care of is installation.

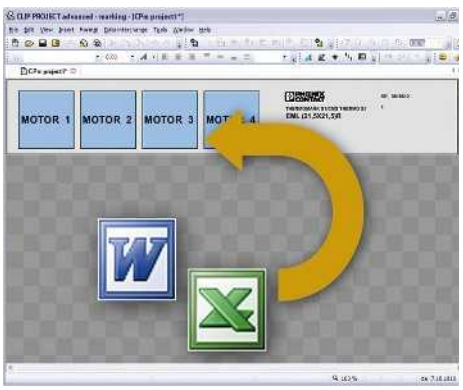
CLIP PROJECT planning and marking software



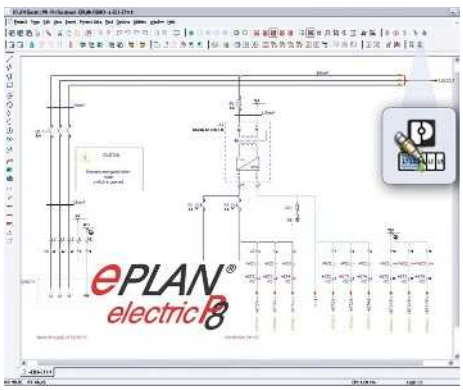
Marking module



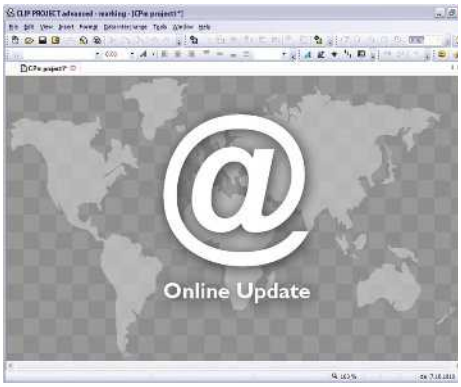
During selection, the marking materials are displayed as a preview for rapid product selection.



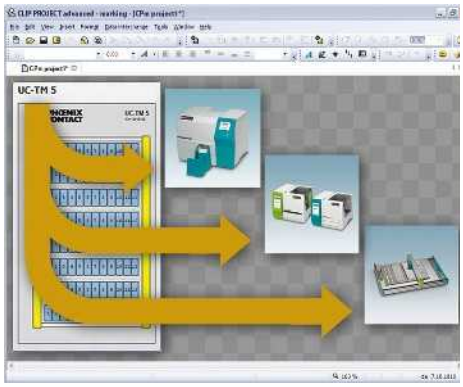
Interfaces to all CAE systems and spreadsheet and text processing programs are provided for the open exchange of data.



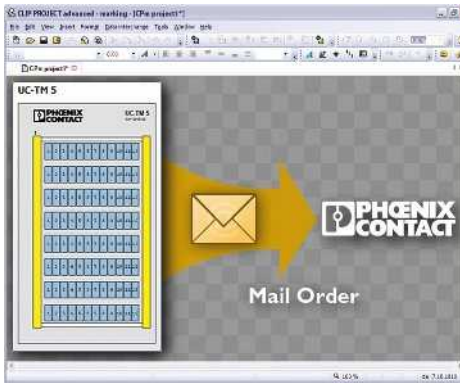
By integrating CLIP PROJECT into EPLAN P8, the labeling data for terminal, conductor, and device marking can be automatically taken from the circuit diagram.



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

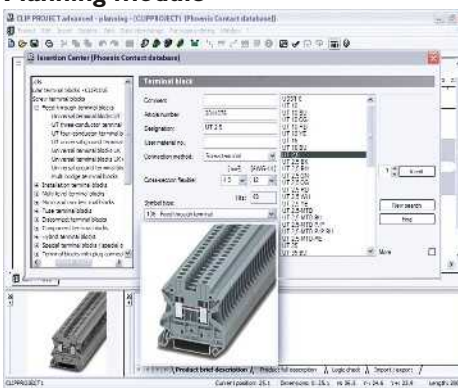


All Phoenix Contact output devices and standard office printers can be easily controlled with just one piece of software.

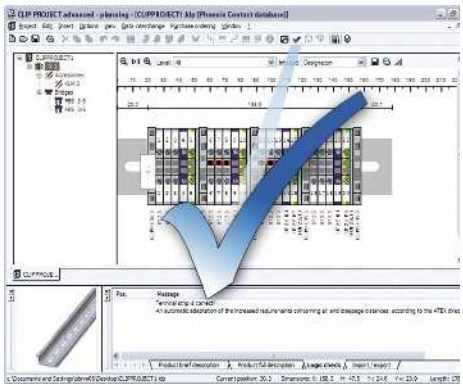


Phoenix Contact provides a labeling service. Orders can be placed by e-mail and all items printed and supplied to suit the customer.

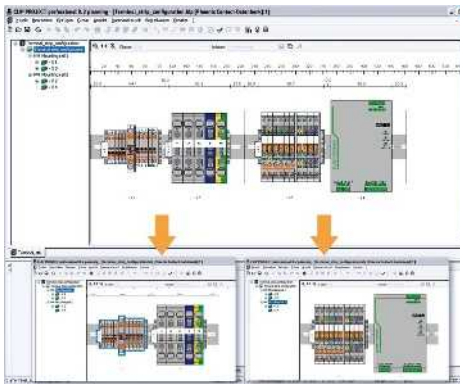
Planning module



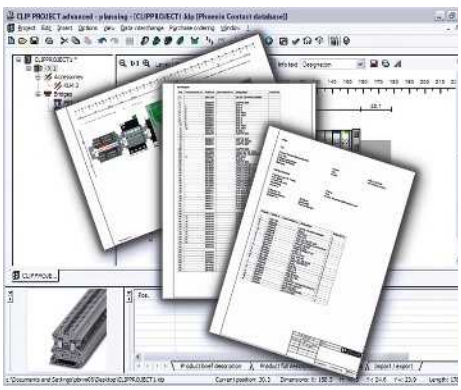
During selection, all Phoenix Contact products which can be fitted on DIN rails are displayed as a preview for rapid product selection.



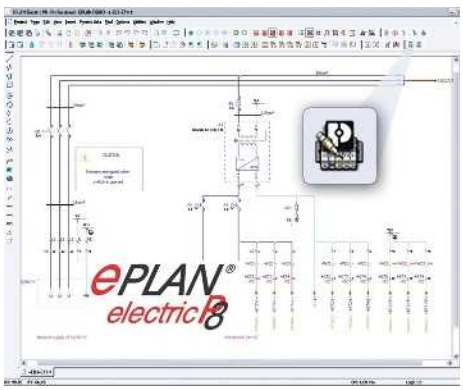
The automatic correction function checks the configured terminal strip and automatically adds any missing accessories. 2D and 3D design data are available at the click of a mouse.



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 planning and marking software

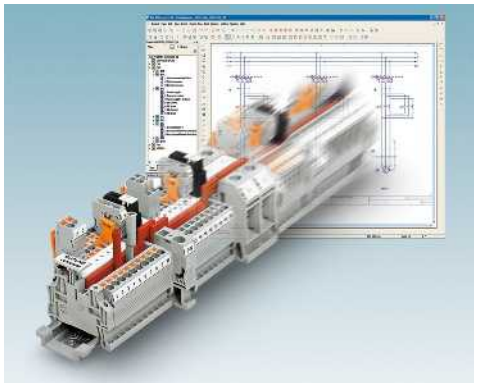
CLIP PROJECT advanced

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, plus 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 labeling information and extensive design options for the custom-labeling 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 allows two-way data exchange with electrical planning systems:

- With the circuit diagram as the basis, the required products are automatically selected and their complete data written back to the parts lists
- The labeling information can be automatically exported and assigned to the desired marking materials
- In order for the labeling 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 labeling to be output to sub-projects

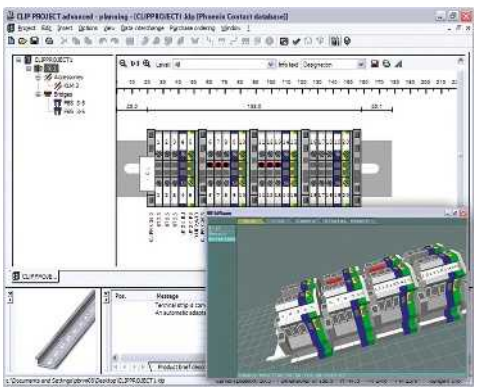


Technical data

General data	
Software interface	EPLAN 5.7 EPLAN Electric P8 AUCOTEC ELCAD AUCOTEC Engineering Base AUCOTEC RUPLAN ZUKEN E^3 Bentley Promis-e WSCAD IGE XAO PC-Schematic AUTOMATION SDProget SPAC
System requirements	
Operating systems	MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)

Ordering data

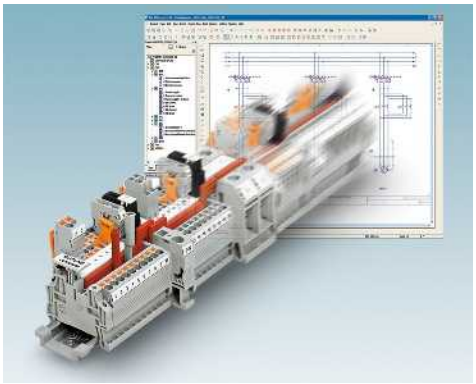
Description	Type	Order No.	Pcs. / Pkt.
CLIP PROJECT advanced, planning and marking software, German/English/French/Dutch/Italian/Spanish/Russian/Polish/Hungarian/Czech/Turkish/Portuguese/Chinese and Japanese	**CLIP-PROJECT ADVANCED**	**5146040**	1



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 signs of your choice and to 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

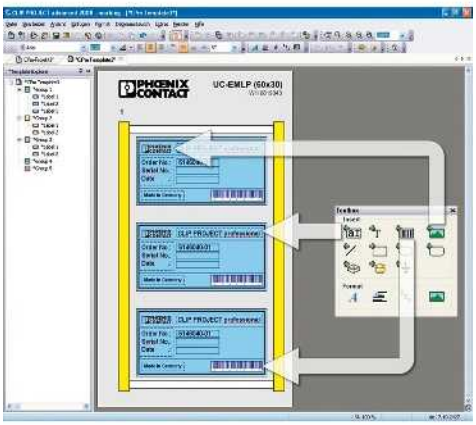


Technical data

General data	
Software interface	EPLAN 5.7 EPLAN Electric P8 AUCOTEC ELCAD AUCOTEC Engineering Base AUCOTEC RUPLAN ZUKEN E^3 Bentley Promis-e WSCAD IGE XAO PC-Schematic AUTOMATION SDProget SPAC
System requirements	
Operating systems	MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)

Ordering data

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



PHOENIX CONTACT
BLUEMARK CLED
12:34 USB
PHOENIX CONTACT
BLUEMARK CLED
READY

Printing systems - MARKING system

The right printer for every application. We can provide a wide range of printing systems for your terminal, conductor, cable, and device marking requirements. The BLUEMARK CLED high-speed printer with innovative UV technology prints materials in UniCard format quickly and easily.

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

Printing systems	**30**
BLUEMARK CLED	**32**
THERMOMARK CARD PLUS	**34**
THERMOMARK CARD	**35**
THERMOMARK ROLL	**38**
THERMOMARK ROLL X1	**39**
MARKING BOX	**40**
THERMOMARK CARD SET and ROLL SET	**41**
THERMOMARK X1.2	**42**
THERMOMARK W2	**43**
CMS-P1-PLOTTER	**44**
CMS-P1-PLOTTER engraving unit	**45**
Overview of marking material - printers	**50**

Which printer prints which marking

Phoenix Contact is a competent 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 labeling 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 labeling 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:
– BLUEMARK CLED, high-speed printer with UV technology for labeling UniCard formats
– THERMOMARK CARD, thermal transfer printer for labeling UniCard and UniSheet formats
– THERMOMARK ROLL, thermal transfer printer for labeling material off the roll and continuous media
– THERMOMARK ROLL X1, thermal transfer printer for large quantities
– THERMOMARK W2, thermal transfer printer for double-sided labeling 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 BLUEMARK CLED uses the latest UV technology for labeling. This makes the markers instantly wipe-resistant and ready for immediate use. The fast printing technology enables 10,000 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.

With the new THERMOMARK CARD PLUS thermal transfer printer, you can use a segmented ink ribbon to create four-color marking labels. You can create warning instructions, prohibition signs, mandatory signs, hazardous substances labels according to the Ordinance on Hazardous Substances, and combi labels easily and with excellent quality. The low weight and compact design of this new printer mean that it can also be used as a portable solution.

The new THERMOMARK CARD thermal transfer printer can be used to print marking materials supplied in card format. It offers 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 labeling large quantities.

The THERMOMARK W2 has been specially developed for the double-sided printing and perforation of continuous WMS shrink sleeves. Double-sided labeling 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.

BLUEMARK CLED

UV LED technology

MARKING system

The new BLUEMARK CLED makes labeling standardized UniCard material for terminal blocks, conductors, and device marking as easy as printing on paper.
The printer receives labeling 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 labeled 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

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	gray
Set, consisting of: 1 x BLUEMARK CLED, Order No. 5147999, 1 x MARKING NOTEBOOK, CLIP-PROJECT PROFESSIONAL	
With German operating system and German keyboard	gray
With English operating system and English keyboard	gray
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	
Compartment	
For accommodating 20 UC or UCT sheets	
Transport case, with aluminum edges, for printer and accessories	

Magazines for labeling aluminum markers

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

Printers

Printing set for mats

Accomodating box

Technical data

Width	Length	Height
480	**500**	**330**
5 ... 35		
UV LED technology		
20 ml		
Approx. 10000 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		

Ordering data

Type	Order No.	Pcs. / Pkt.
BLUEMARK CLED	**5147999**	1

Accessories

BLUEMARK CLED-FLUID-CARTR.	**5146662**	1
BLUEMARK CLED-MAG 20	**5146655**	1
BLUEMARK CLED-MAG 40	**5146668**	1
BLUEMARK CLED-STACKER 20	**5146656**	1
BLUEMARK CLED CASE	**5146725**	1

See page 161

Technical data

Width	Length	Height
480	**500**	**330**
5 ... 35		
UV LED technology		
20 ml		
Approx. 10000 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		

Ordering data

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

Accessories

BLUEMARK CLED-FLUID-CARTR.	**5146662**	1
BLUEMARK CLED-MAG 20	**5146655**	1
BLUEMARK CLED-MAG 40	**5146668**	1
BLUEMARK CLED-STACKER 20	**5146656**	1
BLUEMARK CLED CASE	**5146725**	1

See page 161

Technical data

Width	Length	Height
400	**470**	**160**
-		
-		
-		
-		
-		
-		
-		
-		
-		

Ordering data

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

Accessories

THERMOMARK CARD PLUS, for sheet materials and cards, four-color printing

N

Thermal transfer for sheets and cards

The THERMOMARK CARD PLUS was specially developed for printing with segmented multi-ink ribbons.

– Prints markers in card format for terminal, conductor, cable, device, system, and safety marking applications
– Prints several colors without replacing the ink ribbon
– For all UniCard (UCT) and UniSheet (US) materials
– Maintenance-free operation with tried-and-tested thermal transfer printing technology
– High-quality, fast printing: printing time for one single-color 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 www.phoenixcontact.net/products.

Technical data

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

General data	
Print resolution [dpi]	300 dpi
Max. print width [mm]	104
Power supply [V]	100 ... 240 / 50 Hz ... 60 Hz
Weight [kg]	6
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 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	**THERMOMARK CARD PLUS**	**5146481**	1

Accessories

Transport case				
		TL CASE	**0800613**	1
Ink ribbon, length: 300 m, width: 110 mm	black	**THERMOMARK-RIBBON 110-TC**	**0801371**	1
Ink ribbon, length: 300 m, width: 110 mm	white	**TM-RIBBON 110-TC/TR WH**	**1014402**	1
Segmented ink ribbon, length: 60 m, width: 110 mm two segments in colors	black/red	**TM-RIBBON 110-TC BK/RD**	**1014403**	1
three segments in colors	black/red/yellow	**TM-RIBBON 110-TC BK/RD/YE**	**1014404**	1
four segments in colors	black/red/blue/yellow	**TM-RIBBON 110-TC BK/RD/BU/YE**	**1014405**	1

THERMOMARK CARD, thermal transfer printer for sheets and cards

Thermal transfer for sheets and cards

- The THERMOMARK CARD can print markers supplied as cards in the context of terminal, conductor, cable, and device marking applications
- For all UniCard (UCT) and UniSheet (US) materials
- Maintenance-free operation with tried-and-tested thermal transfer printing technology
- High-quality, fast labeling. 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:

For corresponding magazines, see page 36.

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

Technical data

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

General data	
Print resolution [dpi]	300 dpi
Max. print width [mm]	104
Power supply [V]	100 ... 240 / 50 Hz ... 60 Hz
Weight [kg]	6
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 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	**THERMOMARK CARD**	**5146464**	1

Accessories

Transport case			
TL CASE	**0800613**	1
Ink ribbon, length: 300 m, width: 110 mm	black	**THERMOMARK-RIBBON 110-TC**	**0801371**	1
Ink ribbon, length: 300 m, width: 110 mm	white	**TM-RIBBON 110-TC/TR WH**	**1014402**	1

Magazines for THERMOMARK CARD and THERMOMARK CARD PLUS

Thermal transfer for sheets and cards

- Robust magazines for UniCard labeling 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)	THERMOMARK CARD-UCT-MAG8	0801735	1
for accommodating UCT-EM (12X3.3), UCT-EM (12X6)	THERMOMARK CARD-UCT-MAG9	0801736	1
for accommodating UCT–EM (30X5)	THERMOMARK CARD-UCT-MAG10	0801737	1
for accommodating UCT-EM (17X10) and (20X8)	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)	THERMOMARK CARD-UCT-MAG13	0830400	1
for accommodating UCT-EM (21X8) and UCT EM (17X8)	THERMOMARK CARD-UCT-MAG14	0830401	1
Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (20 x 9)	THERMOMARK CARD-UCT-MAG15	0830402	1
for accommodating UCT-EM (17 x 9)	THERMOMARK CARD-UCT-MAG16	0830403	1
for accommodating UCT-EM (18 x 8)	THERMOMARK CARD-UCT-MAG17	0830404	1
Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (17,5X7,5)	THERMOMARK CARD-UCT-MAG18	0830405	1
for accommodating UCT-EM (10X7)	THERMOMARK CARD-UCT-MAG20	0830751	1
for accommodating UCT-EM (17,5X9)	THERMOMARK CARD-UCT-MAG22	0830771	1
Magazine, for THERMOMARK CARD ... for accommodating UCT6M-TM ...	THERMOMARK CARD-UCT-MAG23	0830808	1
for accommodating UCT6R-TM ...	THERMOMARK CARD-UCT-MAG24	0830809	1

Magazine for THERMOMARK CARD and THERMOMARK CARD PLUS

Thermal transfer for sheets and cards

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

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Magazine, for THERMOMARK CARD..., for accommodating all US–... materials	**THERMOMARK CARD-US-MAG1**	**5146451**	1

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 labeling
- 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 www.phoenixcontact.net/products.

Technical data

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

General data	
Print resolution	300 dpi
Max. print width	104 mm
Max. printing length	1000 mm
Power supply	100 ... 240 / 50 Hz ... 60 Hz
Weight	4 kg
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	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
Transport case		TL CASE	0800613	1
External media hub, for roll diameters of 150 mm to 305 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
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

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

Thermal transfer for rolls

The THERMOMARK ROLL X1 printer is suitable for labeling large quantities and offers the following features:

– Also 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 labeling
– 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)

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

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	**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
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
Transport case	silver	**THERMOMARK ROLL X1-CASE**	**5146724**	1

THERMOMARK printer sets

Thermal transfer for sheets and cards

Thermal transfer for rolls

Printing set, complete

MARKING BOX is the complete labeling system for all terminal, conductor, cable, and device marking applications. It is available for different country-specific keyboard 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 start-up 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 www.phoenixcontact.net/products.

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
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	**MARKING BOX**	**5147100**	1
English operating system and US international keyboard	**MARKING BOX EN**	**5147101**	1
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	**MARKING BOX DE CH**	**0801749**	1
English operating system and Belgian keyboard	**MARKING BOX EN BE**	**0801742**	1
French operating system and keyboard	**MARKING BOX FR FR**	**0801590**	1
Spanish operating system and keyboard	**MARKING BOX ES ES**	**0801747**	1
Italian operating system and keyboard	**MARKING BOX IT IT**	**0801745**	1
Polish operating system and US international keyboard	**MARKING BOX PL US**	**0801744**	1
Hungarian operating system and keyboard	**MARKING BOX HU HU**	**0801750**	1
Portuguese operating system and keyboard	**MARKING BOX PT PT**	**0801748**	1
Russian operating system and keyboard	**MARKING BOX RU RU**	**0801739**	1
Danish operating system and keyboard	**MARKING BOX DK DK**	**0801741**	1
Swedish operating system and keyboard	**MARKING BOX SE SE**	**0801740**	1

Accessories

Printer accessories	**www.phoenixcontact.net/products**

Printing set for cards

Printing set for material provided on rolls

Ordering data

Type	Order No.	Pcs. / Pkt.
THERMOMARK CARD SET	5147200	1
THERMOMARK CARD SET EN	5147201	1
THERMOMARK CARD SET DE CH	5147220	1
THERMOMARK CARD SET EN BE	5147214	1
THERMOMARK CARD SET FR FR	0801591	1
THERMOMARK CARD SET ES ES	5147218	1
THERMOMARK CARD SET IT IT	5147217	1
THERMOMARK CARD SET PL US	5147215	1
THERMOMARK CARD SET HU HU	5147221	1
THERMOMARK CARD SET PT PT	5147219	1
THERMOMARK CARD SET RU RU	5147211	1
THERMOMARK CARD SET DK DK	5147213	1
THERMOMARK CARD SET SE SE	5147212	1

Accessories

Ordering data

Type	Order No.	Pcs. / Pkt.
THERMOMARK ROLL SET	5147300	1
THERMOMARK ROLL SET EN	5147301	1
THERMOMARK ROLL SET DE CH	5147230	1
THERMOMARK ROLL SET EN BE	5147225	1
THERMOMARK ROLL SET FR FR	0801592	1
THERMOMARK ROLL SET ES ES	5147228	1
THERMOMARK ROLL SET IT IT	5147227	1
THERMOMARK ROLL SET PL US	5147226	1
THERMOMARK ROLL SET HU HU	5147231	1
THERMOMARK ROLL SET PT PT	5147229	1
THERMOMARK ROLL SET RU RU	5147222	1
THERMOMARK ROLL SET DK DK	5147224	1
THERMOMARK ROLL SET SE SE	5147223	1

Accessories

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 labeling 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 labeling that is resistant to mechanical and chemical effects
– Continuous media can be cut and perforated with a high degree of positional accuracy

Technical data

Dimensions		Width	Length	Height
	[mm]	**242**	**446**	**274**

General data		
Print resolution	[dpi]	300 dpi
Max. print width	[mm]	105
Max. printing length	[mm]	2000
Interfaces		Serial (V.24 (RS-232)) / USB 2.0 / 10/100 Mbps Ethernet
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz
Weight	[kg]	10
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, incl. connecting cable, Windows® printer driver and operating instructions, software	gray	**THERMOMARK X1.2**	**5146231**	1

Accessories

Starter set, complete for THERMOMARK X1.2 consisting of: - Planning and marking software - THERMOMARK X1.2 thermal transfer printer - Ink ribbon - Label rolls		**THERMOMARK X1.2-KIT**	**5146341**	1
Cutter, for THERMOMARK X1...		**THERMOMARK X1-CUTTER**	**5145290**	1
Perforator		**THERMOMARK X1-CUTTER/P**	**5146244**	1
Transport case, with aluminum edges, for printer and accessories		**THERMOMARK X1-CASE**	**5145300**	1
External media hub, for roll diameters of 150 mm to 305 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
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
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

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 labeling 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

Technical data

Dimensions		Width	Length	Height
	[mm]	**248**	**554**	**405**
General data				
Print resolution	[dpi]	300 dpi		
Max. print width	[mm]	105.6		
Max. printing length	[mm]	1000		
Interfaces		Serial (V.24 (RS-232)) / USB 2.0 / 10/100 Mbps Ethernet		
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz		
Weight	[kg]	21		
Operating systems		MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)		

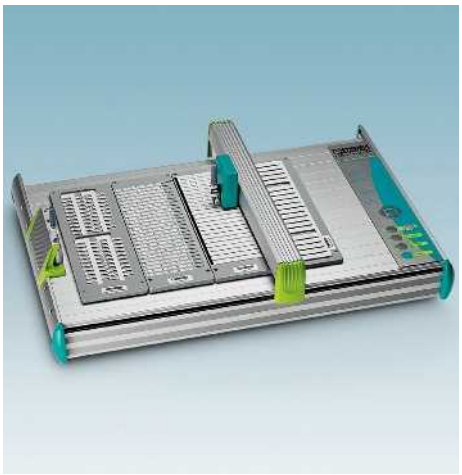
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Thermal transfer printer, specially for shrink sleeve labeling on both sides, including perforation knife, connecting cable, Windows® printer driver, operating instructions, CLIP PROJECT advanced planning and marking software	gray	**THERMOMARK W2**	**5146147**	1

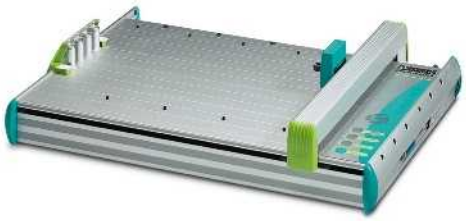
Accessories

External media hub, for roll diameters of 150 mm to 305 mm		**THERMOMARK ROLL-ERH**	**5146448**	1
External media hub, for roll diameters of up to 500 mm		**THERMOMARK-ERH 500**	**5146309**	1
External media hub, for roll diameters of up to 500 mm		**THERMOMARK-ERH 500**	**5146309**	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
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

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

Technical data

Dimensions		Width	Length	Height
	[mm]	**440**	**660**	**125**

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)

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marking plotter, incl. power supply unit, connecting cable (Centronics and USB), pen CMS-PEN 0,25, manual, planning and marking software	silver	**CMS-P1-PLOTTER**	**5144615**	1

Accessories

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	**CMS-P1-PLOTTER-KIT**	**5144628**	1
Transport case for CMS-P1-PLOTTER, rounded profile case with aluminum frame for a complete plotter system	**CMS-P1-PLOTTER-CASE**	**5144631**	1
Covering hood for CMS-P1-PLOTTER, flexible hood for protecting against contamination	**CMS-P1-PLOTTER-COVER**	**5144806**	1
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	**CMS-P1-PENDEPOT**	**5144835**	1
Pen plates, for the pen station of the CMS-P1-PLOTTER	**CMS-P1-PREPLATES**	**5145135**	1

Magazines and pens — **See page 46**

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 294
- These materials remain in position and do not slip when used with the CMS−P1−M/GPE ENGRAVING plotter magazine

Technical data

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

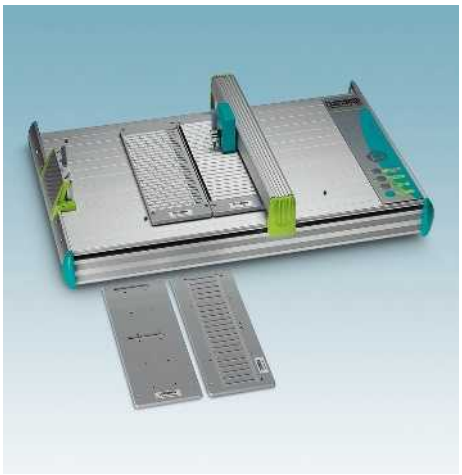
Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Engraving unit, for the CMS-P1-PLOTTER, incl. operating instructions (English/German), data CD and engraving chisel	**P1 ENGRAVING UNIT**	**5145546**	1

Accessories

Engraving chisel, with a point angle of 15°			
Point diameter 0.2 mm	**P1 GRAVER 0.2**	**5145478**	1
Point diameter 0.3 mm	**P1 GRAVER 0.3**	**5145481**	1
Point diameter 0.4 mm	**P1 GRAVER 0.4**	**5145494**	1
Point diameter 0.5 mm	**P1 GRAVER 0.5**	**5145504**	1
Point diameter 0.7 mm	**P1 GRAVER 0.7**	**5145517**	1
Point diameter 1.0 mm	**P1 GRAVER 1.0**	**5145520**	1
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	**P1 GRAVER SET**	**5145533**	1
Vacuum cleaner bag, 5 spare bags for replacement	**P1 ENGRAVING VC BAG**	**5145559**	1
Magazine for the CMS-P1-PLOTTER, for accommodating EMLP... and GPE... materials for engraving			
- 1 GPE label sheet	**CMS-P1-M/GPE ENGRAVING**	**5145711**	1

Magazines for CMS-P1-PLOTTER



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

Ordering data

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

Accessories

Adapter plate for WMU magazines, for using the universal CMS-WMU replaceable frame with the magazine inserts of the CMS-MCP 3 plotter	**CMS-P1-WMU-ADAPTER**	**5144822**	1
Replacement fixation pad for CMS-P1-M/ZBFM, 9 self-adhesive fixation pads, sufficient for 3 magazines	**CMS-P1-M/ZBFM-PAD**	**5144848**	1
Replacement fixation pad for CMS-P1-M/GPE and CMS-P1-M/GPE ENGRAVING, one fixation pad, sufficient for one magazine	**CMS-P1-M/GPE-PAD**	**5144880**	1
Replacement fixation pad for CMS-P1-PAD, 1 fixation pad in DIN A4 format	**CMS-P1-PAD/SPARE**	**5144893**	1

Plotter pens

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

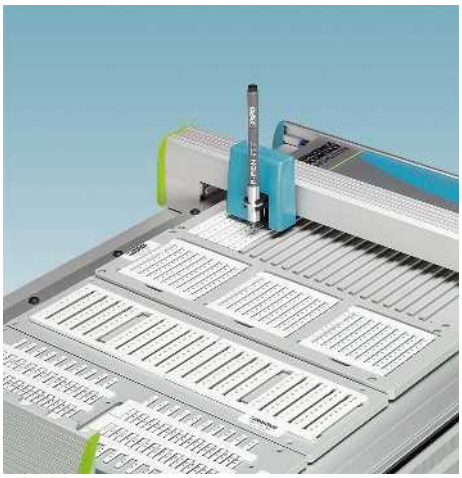
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
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	**CMS-DISPOSABLE-PEN 0,25 TR**	**5146685**	1
Line thickness 0.35 mm	black	**CMS-DISPOSABLE-PEN 0,35 TR**	**5146686**	1
Pens, incl. adapters, ink tank and pen station, for different line thicknesses, without ink				
Line thickness 0.25 mm		**CMS-PEN 0,25**	**5067815**	1
Line thickness 0.35 mm		**CMS-PEN 0,35**	**5067828**	1
Line thickness 0.50 mm		**CMS-PEN 0,50**	**5067831**	1

Accessories

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		**CMS-R-SET-TR**	**5146751**	1
Cleaning cartridges with spare sealing caps, 2 cartridges, each with 10 ml cleaning liquid and 2 caps	transparent	**CMS-R-FLUID-TR-C2**	**5146752**	1
Ink cartridge, for CMS-PEN...	black	**CMS-INK-TR-C5**	**5146684**	1

Marker pen for plotter and manual labeling



- High-quality labeling 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 labeling, 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 labeling

- High-quality labeling of unprinted marking materials is also possible without the use of labeling 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, refillable, for manual labeling, 0.35 mm line thickness, can be refilled with CMS–INK–TR–C 5, delivered without ink	black	**X-PEN 0,35**	**0811228**	1

Accessories

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

Marker pen for manual labeling

- High-quality labeling of unprinted marking materials is also possible without the use of labeling 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 labeling, line thickness 0.5 mm	black	**B-STIFT**	**1051993**	10

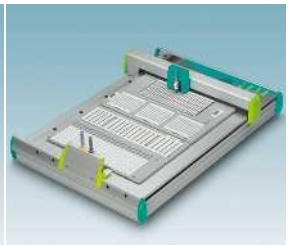
Overview of marking material - printers

Marking system	BLUEMARK CLED	THERMOMARK CARD PLUS	THERMOMARK CARD	THERMOMARK ROLL
Terminal marking				
UC-TM...	Page 58			
UC-TMF...	Page 62			
UC-TMN...	Page 66			
UCT-TM...	Page 82	Page 82	Page 82	
UCT-TMF...	Page 86	Page 86	Page 86	
UC1-TM...	Page 118			
UCT1...	Page 128	Page 128	Page 128	
UCT-EM...	Page 108	Page 108	Page 108	
US-TM...		Page 90	Page 90	
US-TMF...		Page 91	Page 91	
US-TML...		Page 92	Page 92	
ZB...				
ZBF...				
TMT...				Page 94
TML...				Page 98
SK...				Page 105
Conductor/cable marking				
WMTB-AL...	Page 161			
UC-WMC(O)...	Page 162			
AI-WM...	Page 175			
UC-WMT...	Page 176			
UC-WMTB(A)...	Page 179			
UCT-WMT...	Page 182	Page 182	Page 182	
UCT-WMS...	Page 186	Page 186	Page 186	
US-WMT...		Page 187	Page 187	
US-WMTB...		Page 190	Page 190	
US-WML...		Page 192	Page 192	
WML...R				Page 194
WMS... (pre-assembled)				Page 200
WMS... (continuous shrink sleeve)				Page 204
EMT...				Page 208
WMTW...				Page 209
WMT.../WMTB...				Page 210

THERMOMARK ROLL X1
Page 94
Page 98
Page 105

THERMOMARK X1.2
Page 94
Page 98
Page 105

THERMOMARK W2
Page 204



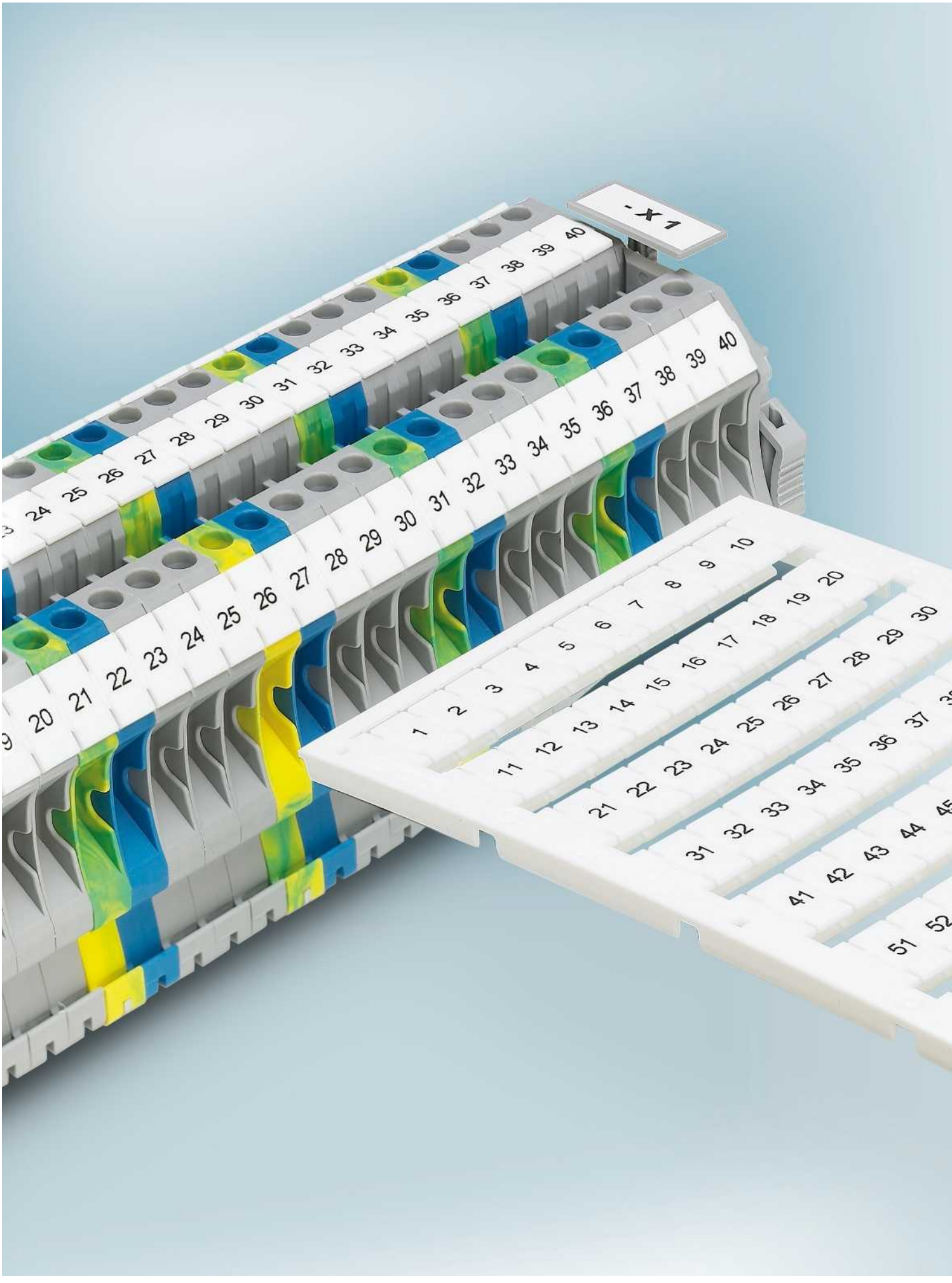
CMS-P1-PLOTTER
Page 58
Page 62
Page 66
Page 118
Page 68
Page 76
Page 162
Page 176
Page 179

P1 ENGRAVING UNIT

Overview of marking material - printers

Marking system	BLUEMARK CLED	THERMOMARK CARD PLUS	THERMOMARK CARD	THERMOMARK ROLL
Device marking				
EMLP-AL...	Page 231			
EMSP-AL...	Page 232			
EMP-AL...	Page 233			
UC-EMLP...	Page 234			
UC-EMSP...	Page 236			
UC-EMP...	Page 237			
UC-EM...	Page 240			
UCT-EM...	Page 246	Page 246	Page 246	
US-EMLP...		Page 258	Page 258	
US-EMP...		Page 262	Page 262	
US-EMSP...		Page 266	Page 266	
US-EMLSP...		Page 267	Page 267	
US-EML...		Page 268	Page 268	
US-EMLF...		Page 354	Page 354	
EML...				Page 270
EMLP...				Page 274
EMLF...				Page 278
EMLC...				Page 279
EML-HA...				Page 280
EML-HT...				Page 282
EML-ESD...				Page 284
EML-RM...				Page 286
EMLS...				Page 288
EMT...				Page 290
GPE...				
BMK...				
BMKL...				
System marking				
US-PML-W...		Page 320	Page 320	
PML-W....				Page 321
US-PML-P...		Page 326	Page 326	
PML-P...				Page 327
US-PML-M...		Page 334	Page 334	
PML-M...				Page 335
PML-T...				Page 342
US-PML-GHS...		Page 348	Page 348	
PML-GHS...				Page 349
US-EMLF...		Page 354	Page 354	
PMM...				Page 356

THERMOMARK ROLL X1	THERMOMARK X1.2	THERMOMARK W2	CMS-P1-PLOTTER	P1 ENGRAVING UNIT
			Page 234	
			Page 236	
			Page 237	
			Page 240	
Page 270	Page 270			
Page 274	Page 274			Page 274
Page 278	Page 278			
Page 279	Page 279			
Page 280	Page 280			
Page 282	Page 282			
Page 284	Page 284			
Page 286	Page 286			
Page 288	Page 288			
Page 290	Page 290			
			Page 294	Page 294
			Page 293	
			Page 292	
Page 321	Page 321			
Page 327	Page 327			
Page 335	Page 335			
Page 342	Page 342			
Page 349	Page 349			
Page 356	Page 356			


-X1

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 **56**

UniCard UC-TM... terminal marking

For a tall marker groove **58**
For a flat marker groove **62**

ZB... zack marker strip terminal marking

For a tall marker groove **68**
For a flat marker groove **76**

UniCard UCT-TM... terminal marking

For a tall marker groove **82**
For a flat marker groove **86**

UniSheet US-TM... terminal marking

For a universal marker groove **90**
For a flat marker groove **91**

TMT… terminal marking supplied in rolls

Marker strips for tall and flat marker grooves **94**

TML… terminal marking supplied in rolls

Self-adhesive markers for terminal blocks without marker groove **98**

SK… terminal marking supplied as card material

Self-adhesive markers for terminal blocks without marker groove **100**

Group marker labels and warning labels **108**

Overview of terminal marking for Phoenix Contact **112**

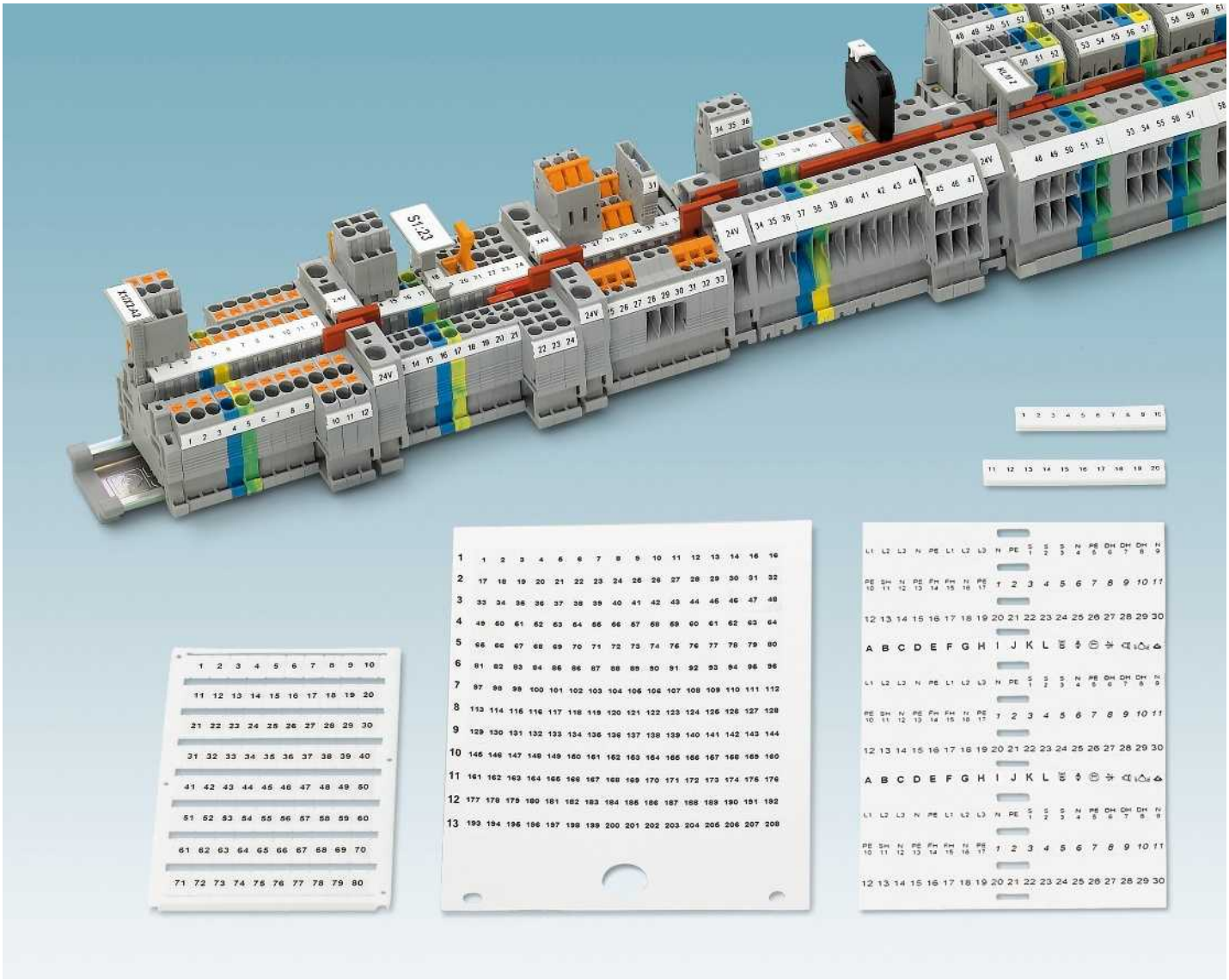
The right marking solution for every terminal

Terminal marking for terminal blocks from other manufacturers **118**

Overview of terminal marking for other manufacturers **140**

Phoenix Contact offers the right marking solution for every terminal

Ordering example for labeling service - printed for you **359**



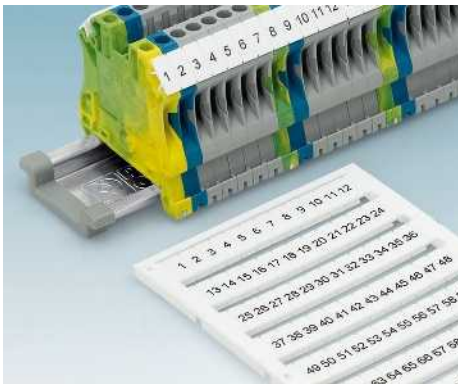
Those involved in control cabinet and system engineering are required to ensure meaningful labeling of electrical connecting elements and control cabinet components. As with comprehensive documentation, precise labeling of all terminal points makes it easier to set up and maintain the systems concerned. EN 60204−1/VDE 0113 Part 1 stipulates requirements concerning consistent system labeling and, therefore, for ensuring that it matches the technical documentation.
Various marking materials are available for labeling Phoenix Contact terminal blocks. The labeling strips can be easily separated by hand, and their special geometry ensures that the labeling 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 labeling in accordance with customer requirements. Depending on the version, unlabeled terminal markers can be labeled using the various printing systems available from Phoenix Contact.

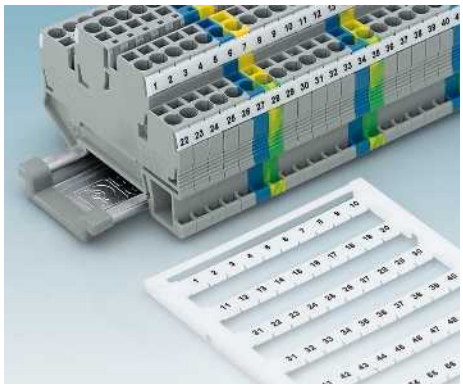
– Markers in UniCard format can be quickly and reliably labeled using the new BLUEMARK CLED printer
– Markers in UniSheet format can be quickly and reliably labeled using the new THERMOMARK CARD printer
– Material off the roll has been specially developed for labeling using thermal transfer printers,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

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

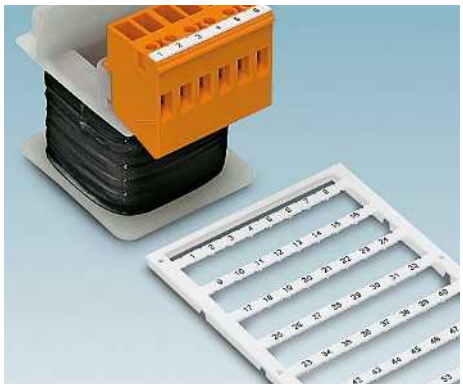
Various marking labels are available for labeling terminal block groups in addition to the labeling of the actual terminal points. These are snapped into the marking grooves of terminal blocks. Details of group marking products that can be fixed to end brackets can be found in the chapter titled Mounting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



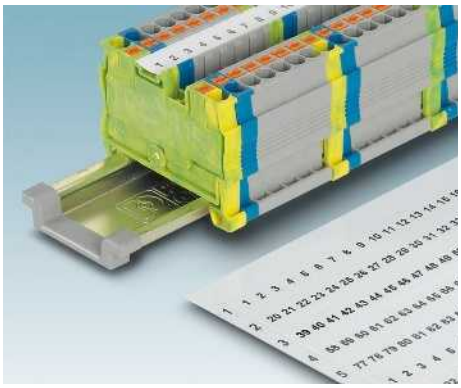
Markers are available in the UniCard and UniSheet formats for the labeling of terminal blocks with a tall marker groove. They can be supplied unprinted or printed in accordance with customer requirements.



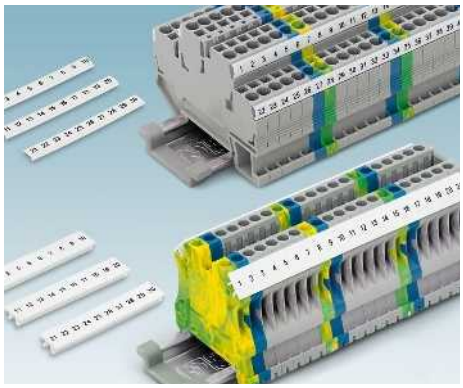
Markers are available in the UniCard and UniSheet formats for terminal blocks, modules, and connectors with a flat marker groove. They can be supplied unprinted or printed in accordance with customer requirements.



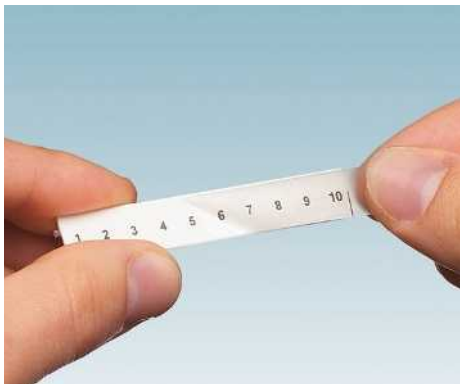
Miniature terminal blocks/transformer terminal blocks have neither a tall nor a flat marker groove. Special markers are available in UniCard format for the purpose of labeling such terminal blocks.



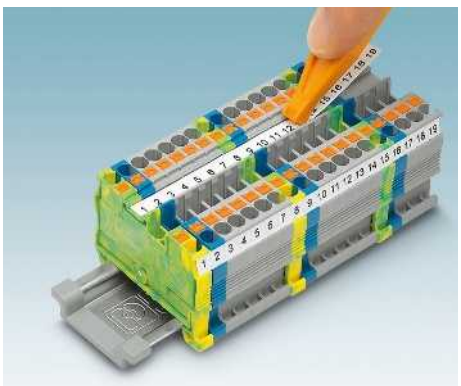
The universal marker groove can be labeled with markers in UniSheet format. These are available unprinted or printed in accordance with customer requirements.



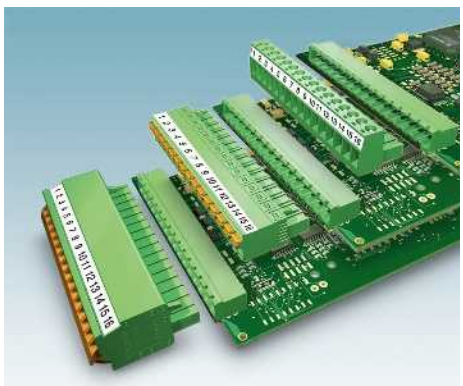
10-section zack marker strips are available in tall and flat versions. They are used to mark modular terminal blocks, modules or connectors and can be supplied unprinted or printed.



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



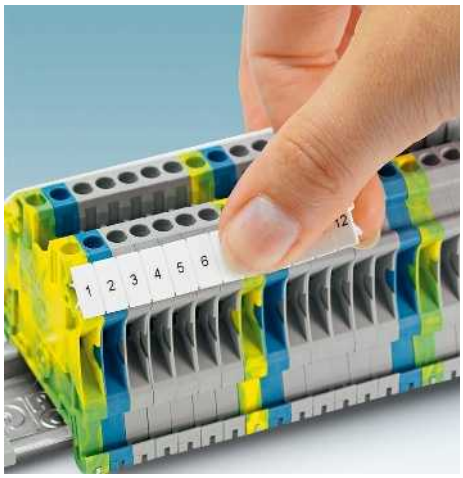
The marker strips can be used in both tall and flat marker grooves. They can be easily separated by hand since they are pre-perforated for the pitch.



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

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

UniCard terminal marking for a tall marker groove



- The UC-TM ... UniCard labeling range includes markers for products with tall marker grooves
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- 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 labeling
- The sheets provide space for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 112.

[1]) For ordering example, see page 359.

Can be printed with:

UV LED technology

Plotter

120 markers for a terminal block width of 4.2 mm

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		120
Number of individual labels per strip		15
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 labeling terminal blocks with a marker groove				
	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 labeling terminal blocks with a marker groove, **labeled acc. to customer specifications**[1])				
	white	**UC-TM 4 CUS**	**0824573**	1
	red	**UC-TM 4 RD CUS**	**0824577**	1
	orange	**UC-TM 4 OG CUS**	**0824576**	1
	yellow	**UC-TM 4 YE CUS**	**0824579**	1
	violet	**UC-TM 4 VT CUS**	**0824578**	1
	blue	**UC-TM 4 BU CUS**	**0824574**	1
	green	**UC-TM 4 GN CUS**	**0824575**	1

Accessories

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

96 markers for a terminal block width of 5.2 mm

80 markers for a terminal block width of 6.2 mm

56 markers for a terminal block width of 8.2 mm

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	96
	12
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-TM 5	**0818108**	10
UC-TM 5 RD	**0818302**	10
UC-TM 5 OG	**0818276**	10
UC-TM 5 YE	**0818289**	10
UC-TM 5 VT	**0819107**	10
UC-TM 5 BU	**0818292**	10
UC-TM 5 GN	**0818315**	10
UC-TM 5 CUS	**0824581**	1
UC-TM 5 RD CUS	**0824585**	1
UC-TM 5 OG CUS	**0824584**	1
UC-TM 5 YE CUS	**0824587**	1
UC-TM 5 VT CUS	**0824586**	1
UC-TM 5 BU CUS	**0824582**	1
UC-TM 5 GN CUS	**0824583**	1

Accessories

P1 UC-MAG 1	**5146079**	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	80
	10
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-TM 6	**0818085**	10
UC-TM 6 RD	**0818357**	10
UC-TM 6 OG	**0818328**	10
UC-TM 6 YE	**0818331**	10
UC-TM 6 VT	**0819110**	10
UC-TM 6 BU	**0818344**	10
UC-TM 6 GN	**0818360**	10
UC-TM 6 CUS	**0824589**	1
UC-TM 6 RD CUS	**0824593**	1
UC-TM 6 OG CUS	**0824592**	1
UC-TM 6 YE CUS	**0824595**	1
UC-TM 6 VT CUS	**0824594**	1
UC-TM 6 BU CUS	**0824590**	1
UC-TM 6 GN CUS	**0824591**	1

Accessories

P1 UC-MAG 1	**5146079**	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	56
	7
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

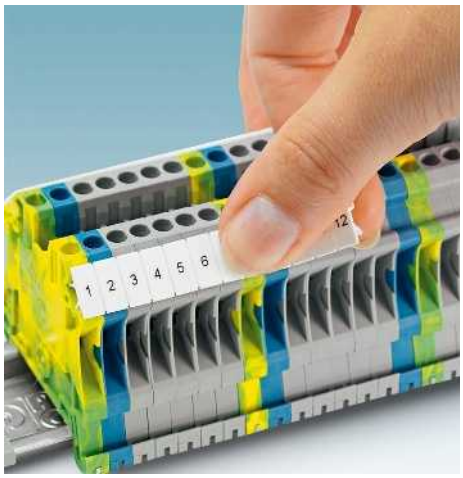
Ordering data

Type	Order No.	Pcs. / Pkt.
UC-TM 8	**0818072**	10
UC-TM 8 RD	**0818409**	10
UC-TM 8 OG	**0818373**	10
UC-TM 8 YE	**0818386**	10
UC-TM 8 VT	**0819123**	10
UC-TM 8 BU	**0818399**	10
UC-TM 8 GN	**0818412**	10
UC-TM 8 CUS	**0824597**	1
UC-TM 8 RD CUS	**0824601**	1
UC-TM 8 OG CUS	**0824600**	1
UC-TM 8 YE CUS	**0824603**	1
UC-TM 8 VT CUS	**0824602**	1
UC-TM 8 BU CUS	**0824598**	1
UC-TM 8 GN CUS	**0824599**	1

Accessories

P1 UC-MAG 1	**5146079**	1

UniCard terminal marking for a tall marker groove



- The UC-TM ... UniCard labeling range includes markers for products with tall marker grooves
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- 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 labeling
- The sheets provide space for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 112.

1) For ordering example, see page 359.

Can be printed with:

UV

UV LED technology

y 1 2 3 x

Plotter

PRINTED FOR YOU

48 markers for a terminal block width of 10.2 mm

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		48
Number of individual labels per strip		6
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 labeling terminal blocks with a marker groove				
	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 labeling terminal blocks with a marker groove, **labeled acc. to customer specifications**[1)]				
	white	**UC-TM 10 CUS**	**0824605**	1
	white	**UC-TM 10 RD CUS**	**0824609**	1
	white	**UC-TM 10 OG CUS**	**0824608**	1
	white	**UC-TM 10 YE CUS**	**0824611**	1
	white	**UC-TM 10 VT CUS**	**0824610**	1
	white	**UC-TM 10 BU CUS**	**0824606**	1
	white	**UC-TM 10 GN CUS**	**0824607**	1

Accessories

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

PRINTED FOR YOU

40 markers for a terminal block width of 12 mm

PRINTED FOR YOU

32 markers for a terminal block width of 16 mm

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
40	
5	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
free from silicone and halogen	

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-TM 12	**0819194**	10
UC-TM 12 RD	**0817701**	10
UC-TM 12 OG	**0817691**	10
UC-TM 12 YE	**0819204**	10
UC-TM 12 VT	**0822660**	10
UC-TM 12 BU	**0817785**	10
UC-TM 12 GN	**0817808**	10
UC-TM 12 CUS	**0824613**	1
UC-TM 12 RD CUS	**0824617**	1
UC-TM 12 OG CUS	**0824616**	1
UC-TM 12 YE CUS	**0824619**	1
UC-TM 12 VT CUS	**0824618**	1
UC-TM 12 BU CUS	**0824614**	1
UC-TM 12 GN CUS	**0824615**	1

Accessories

P1 UC-MAG 1	**5146079**	1

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
32	
4	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
free from silicone and halogen	

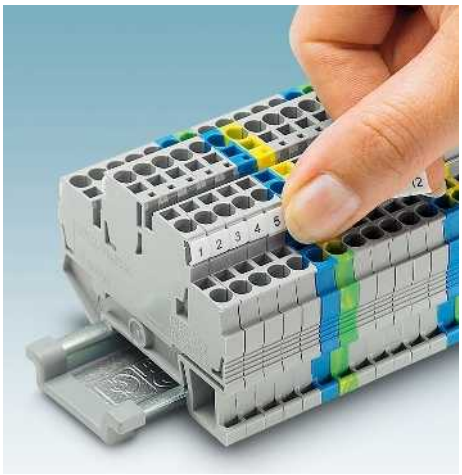
Ordering data

Type	Order No.	Pcs. / Pkt.
UC-TM 16	**0819217**	10
UC-TM 16 RD	**0817798**	10
UC-TM 16 OG	**0817772**	10
UC-TM 16 YE	**0819220**	10
UC-TM 16 VT	**0822673**	10
UC-TM 16 BU	**0817769**	10
UC-TM 16 GN	**0817756**	10
UC-TM 16 CUS	**0824621**	1
UC-TM 16 RD CUS	**0824625**	1
UC-TM 16 OG CUS	**0824624**	1
UC-TM 16 YE CUS	**0824627**	1
UC-TM 16 VT CUS	**0824626**	1
UC-TM 16 BU CUS	**0824622**	1
UC-TM 16 GN CUS	**0824623**	1

Accessories

P1 UC-MAG 1	**5146079**	1

UniCard terminal marking for a flat marker groove



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

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 112.

[1]) For ordering example, see page 359.

Can be printed with:

UV LED technology

Plotter

PRINTED FOR YOU

120 markers for a terminal block width of 4.2 mm

Technical data

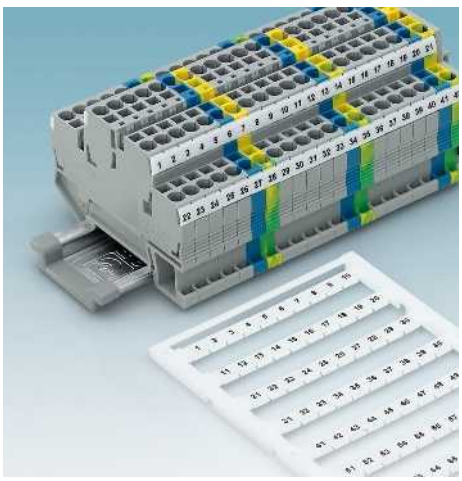
General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		120
Number of individual labels per strip		15
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal blocks with a flat marker groove				
	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 labeling terminal blocks with a flat marker groove, **labeled acc. to customer specifications**[1])				
	white	**UC-TMF 4 CUS**	**0824630**	1
	red	**UC-TMF 4 RD CUS**	**0824634**	1
	orange	**UC-TMF 4 OG CUS**	**0824633**	1
	yellow	**UC-TMF 4 YE CUS**	**0824636**	1
	violet	**UC-TMF 4 VT CUS**	**0824635**	1
	blue	**UC-TMF 4 BU CUS**	**0824631**	1
	green	**UC-TMF 4 GN CUS**	**0824632**	1

Accessories

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



96 markers for a terminal block width of 5.2 mm

80 markers for a terminal block width of 6.2 mm

56 markers for a terminal block width of 8.2 mm

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	96
	12
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-TMF 5	**0818153**	10
UC-TMF 5 RD	**0818551**	10
UC-TMF 5 OG	**0818522**	10
UC-TMF 5 YE	**0818535**	10
UC-TMF 5 VT	**0815907**	10
UC-TMF 5 BU	**0818548**	10
UC-TMF 5 GN	**0818564**	10
UC-TMF 5 CUS	**0824638**	1
UC-TMF 5 RD CUS	**0824642**	1
UC-TMF 5 OG CUS	**0824641**	1
UC-TMF 5 YE CUS	**0824644**	1
UC-TMF 5 VT CUS	**0824643**	1
UC-TMF 5 BU CUS	**0824639**	1
UC-TMF 5 GN CUS	**0824640**	1

Accessories

P1 UC-MAG 4	**5146105**	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	80
	10
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-TMF 6	**0818140**	10
UC-TMF 6 RD	**0818603**	10
UC-TMF 6 OG	**0818577**	10
UC-TMF 6 YE	**0818580**	10
UC-TMF 6 VT	**0815910**	10
UC-TMF 6 BU	**0818593**	10
UC-TMF 6 GN	**0818616**	10
UC-TMF 6 CUS	**0824646**	1
UC-TMF 6 RD CUS	**0824650**	1
UC-TMF 6 OG CUS	**0824649**	1
UC-TMF 6 YE CUS	**0824652**	1
UC-TMF 6 VT CUS	**0824651**	1
UC-TMF 6 BU CUS	**0824647**	1
UC-TMF 6 GN CUS	**0824648**	1

Accessories

P1 UC-MAG 4	**5146105**	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	56
	7
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

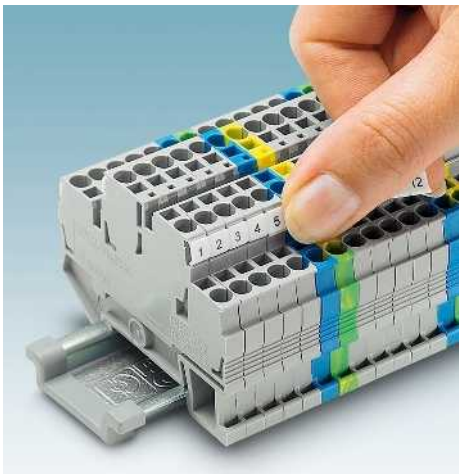
Ordering data

Type	Order No.	Pcs. / Pkt.
UC-TMF 8	**0818137**	10
UC-TMF 8 RD	**0818658**	10
UC-TMF 8 OG	**0818629**	10
UC-TMF 8 YE	**0818632**	10
UC-TMF 8 VT	**0815923**	10
UC-TMF 8 BU	**0818645**	10
UC-TMF 8 GN	**0818661**	10
UC-TMF 8 CUS	**0824654**	1
UC-TMF 8 RD CUS	**0824658**	1
UC-TMF 8 OG CUS	**0824657**	1
UC-TMF 8 YE CUS	**0824660**	1
UC-TMF 8 VT CUS	**0824659**	1
UC-TMF 8 BU CUS	**0824655**	1
UC-TMF 8 GN CUS	**0824656**	1

Accessories

P1 UC-MAG 4	**5146105**	1

UniCard terminal marking for a flat marker groove



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

Notes:

1) For ordering example, see page 359.

Can be printed with:

UV LED technology

Plotter

PRINTED FOR YOU

48 markers for a terminal block width of 10.2 mm

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		48
Number of individual labels per strip		6
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 materials, for labeling terminal blocks with a flat marker groove				
	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 labeling terminal blocks with a flat marker groove, **labeled acc. to customer specifications**[1])				
	white	**UC-TMF 10 CUS**	**0824662**	1
	red	**UC-TMF 10 RD CUS**	**0824666**	1
	orange	**UC-TMF 10 OG CUS**	**0824665**	1
	yellow	**UC-TMF 10 YE CUS**	**0824668**	1
	violet	**UC-TMF 10 VT CUS**	**0824667**	1
	blue	**UC-TMF 10 BU CUS**	**0824663**	1
	green	**UC-TMF 10 GN CUS**	**0824664**	1

Accessories

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

PRINTED FOR YOU

40 markers for a terminal block width of 12 mm

PRINTED FOR YOU

32 markers for a terminal block width of 16 mm

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
40	
5	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
free from silicone and halogen	

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-TMF 12	**0819233**	10
UC-TMF 12 RD	**0817840**	10
UC-TMF 12 OG	**0817866**	10
UC-TMF 12 YE	**0819246**	10
UC-TMF 12 VT	**0822686**	10
UC-TMF 12 BU	**0817853**	10
UC-TMF 12 GN	**0817837**	10
UC-TMF 12 CUS	**0824670**	1
UC-TMF 12 RD CUS	**0824674**	1
UC-TMF 12 OG CUS	**0824673**	1
UC-TMF 12 YE CUS	**0824676**	1
UC-TMF 12 VT CUS	**0824675**	1
UC-TMF 12 BU CUS	**0824671**	1
UC-TMF 12 GN CUS	**0824672**	1

Accessories

P1 UC-MAG 4	**5146105**	1

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
32	
4	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
free from silicone and halogen	

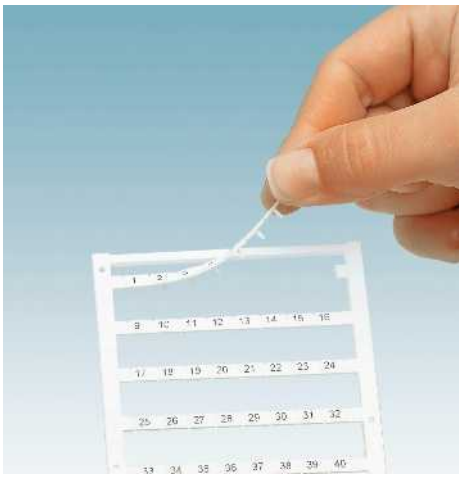
Ordering data

Type	Order No.	Pcs. / Pkt.
UC-TMF 16	**0819262**	10
UC-TMF 16 RD	**0817824**	10
UC-TMF 16 OG	**0817811**	10
UC-TMF 16 YE	**0819259**	10
UC-TMF 16 VT	**0822699**	10
UC-TMF 16 BU	**0817905**	10
UC-TMF 16 GN	**0817921**	10
UC-TMF 16 CUS	**0824678**	1
UC-TMF 16 RD CUS	**0824682**	1
UC-TMF 16 OG CUS	**0824681**	1
UC-TMF 16 YE CUS	**0824684**	1
UC-TMF 16 VT CUS	**0824683**	1
UC-TMF 16 BU CUS	**0824679**	1
UC-TMF 16 GN CUS	**0824680**	1

Accessories

P1 UC-MAG 4	**5146105**	1

UniCard terminal marking for marking stud holders



Can be printed with:

UV LED technology

Plotter

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

- The UC-TMN ... UniCard labeling 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 printed onto quickly and easily using the BLUEMARK CLED
- 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 for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 112.

[1]) For ordering example, see page 359.

Technical data

General data		
Can be printed with:		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 labeling transformer terminal blocks				
96-section	white	**UC-TMN 5,2**	**0822945**	10
64-section	white	**UC-TMN 7,5**	**0821823**	10
48-section	white	**UC-TMN 10**	**0828554**	10

Accessories

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

PRINTED FOR YOU

Labeled according to customer specifications

Technical data

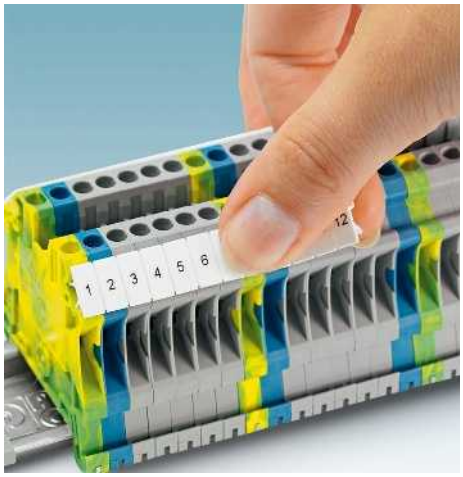
-
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-TMN 5,2 CUS	**0826857**	1
UC-TMN 7,5 CUS	**0824690**	1
UC-TMN 10 CUS	**0829109**	1

Accessories

Zack marker strip terminal marking for a tall marker groove



- The ZB zack marker strip system is a labeling 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
- Unlabeled marking strips can be custom-labeled with a plotter or by hand
- Labeling service: Phoenix Contact can custom-label all zack marker strip markers in accordance with your requirements

Selection of labeling direction

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

Notes:

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

2) For ordering example, see page 359.

Can be printed with:

Plotter

PRINTED FOR YOU

Markers for a terminal block width of 3.5 mm

Technical data

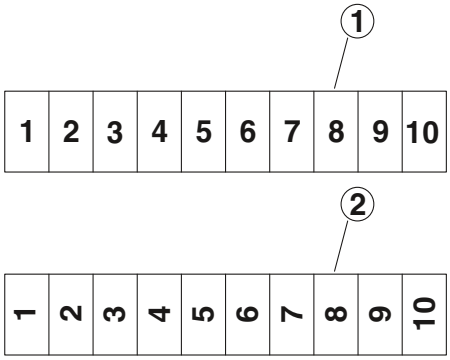
General data		
Can be printed with:		CMS-P1-PLOTTER
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

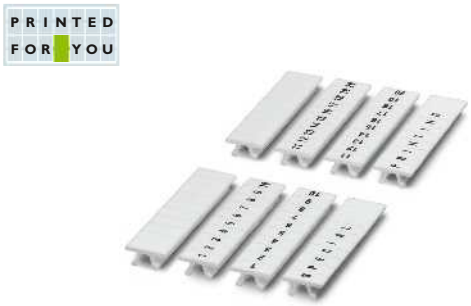
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Zack marker strip, 10-section, unprinted: pack contains enough to label 100 terminal blocks	white	ZB 3,5:UNBEDRUCKT	0829414	10
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	ZB 3,5,LGS:FORTL.ZAHLEN	0801404	10
Zack marker strip, printed horizontally, 10-section, with same numbers, e.g., 1/1/1, 2/2/2, 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	ZB 3,5,QR:FORT.ZAHLEN	0801405	10
Special marking zack marker strip, 10-section, separable, labeled acc. to customer specifications, (ZB 3,5 and ZB 4, max. 2 digits), please specify the required marking when ordering2)	white	ZB 3,5 CUS	0829415	1

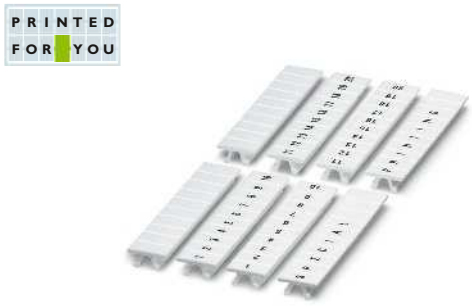
Accessories

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

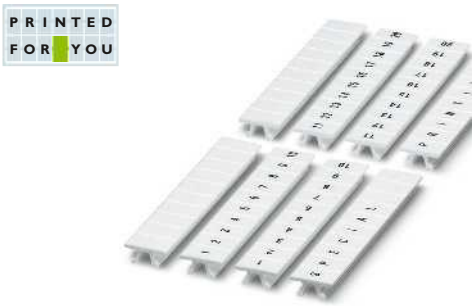




Markers for a terminal block width of 4.2 mm



Markers for a terminal block width of 5.2 mm



Markers for a terminal block width of 5.08 mm

Technical data

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
ZB 4 CUS	**0824951**	1

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 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
ZB 5 CUS	**0824962**	1

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 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
ZB 5,08 CUS	**0824963**	1

Accessories

CMS-P1-M/ZB	**5144699**	1

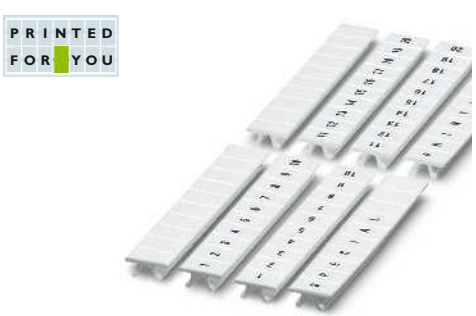
Zack marker strip terminal marking for a tall marker groove

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

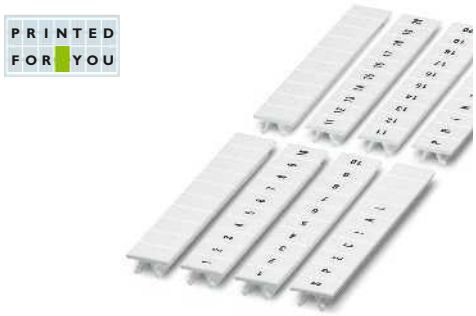
Notes:

[1]) **10 identically marked** strips make up one packing unit (PU).

[2]) For ordering example, see page 359.



Markers for a terminal block width of 6.2 mm



Markers for a terminal block width of 6.6 mm

Technical data

General data			
Can be printed with:		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

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	white	**ZB 6:UNBEDRUCKT**	**1051003**	10	**ZB 6,6:UNBEDRUCKT**	**1052332**	10
as above, however, large batch, sufficient for 1000 terminal blocks	white						
Zack marker strip, printed horizontally, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100	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 91-100[1])	white	**ZB 6,QR:FORTL.ZAHLEN**	**1051029**	10			
Zack marker strip, special printing, 10-section, divisible, marking according to customer requirements, please specify the desired marking with order[2])	white	**ZB 6 CUS**	**0824992**	1	**ZB 6,6 CUS**	**0824978**	1

Accessories

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

Markers for a terminal block width of 7.5 mm

Markers for a terminal block width of 7.62 mm

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
ZB 7,5 CUS	**0824994**	1

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
ZB 7,62 CUS	**0824997**	1

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
ZB 8 CUS	**0825011**	1

Accessories

CMS-P1-M/ZB	**5144699**	1

Terminal marking

Zack marker strip terminal marking for a tall marker groove

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

Notes:

[1]) 10 identically marked strips make up one packing unit (PU).

Markers for a terminal block width of 9 mm

Markers for a terminal block width of 10.2 mm

Technical data

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

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Zack marker strip, 10-section, unprinted: pack contains enough to label 100 terminal blocks	white	**ZB 9:UNBEDRUCKT**	**0829127**	10
as above, however, large batch, sufficient for 1000 terminal blocks	white			
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])	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			
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			
Zack marker strip, special printing, 10-section, divisible, marking according to customer requirements, please specify the desired marking with order	white	**ZB 9 CUS**	**0829128**	1
5-section	white			

Ordering data

Type	Order No.	Pcs. / Pkt.
ZB 10:UNBEDRUCKT	**1053001**	10
ZB10/WH-100:UNBEDRUCKT	**5060883**	100
ZB10,LGS:FORTL.ZAHLEN	**1053014**	10
ZB10,LGS:GLEICHE ZAHLEN	**1053030**	10
ZB10,LGS:L1-N,PE	**1053412**	10
ZB10,LGS:U-N	**1053438**	10
ZB10,QR:FORTL.ZAHLEN	**1053027**	10
ZB 10 CUS	**0824941**	1

Accessories

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

Accessories

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

Markers for a terminal block width of 12 mm

Markers for a terminal block width of 13 mm

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
ZB 12 CUS	0824942	1

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
ZB 13 CUS	0829132	1

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
ZB 15 CUS	0824945	1

Accessories

CMS-P1-M/ZB	5144699	1

Zack marker strip terminal marking for a tall marker groove

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

Notes:

[1]) **10 identically marked** strips make up one packing unit (PU).

[2]) For ordering example, see page 359.

Markers for a terminal block width of 16.3 mm

Markers for a terminal block width of 17 mm

Technical data

General data			
Can be printed with:		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

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Zack marker strip, 5-section, unprinted: pack contains enough to label 50 terminal blocks							
	white	**ZB 16,3:UNPRINTED**	**0820222**	10	**ZB 17:UNBEDRUCKT**	**0829391**	10
4-part, for 40 terminals	white						
Zack marker strip, 5-section, printed horizontally: With L1, L2, L3, N, PE[1])							
	white						
4-section	white						
Zack marker strip, special printing, 5-section, divisible, marking according to customer requirements, please specify the desired marking with order[2])							
	white	**ZB 16,3 CUS**	**0824946**	1	**ZB 17 CUS**	**0829393**	1
4-section	white						

Accessories

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

Markers for a terminal block width of 18 mm

Markers for a terminal block width of 22 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
ZB 18 CUS	**0824947**	1

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

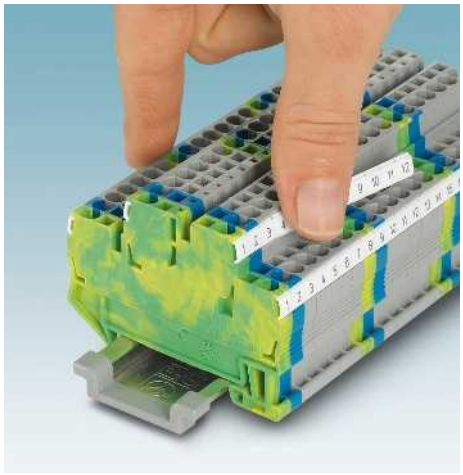
Ordering data

Type	Order No.	Pcs. / Pkt.
ZB 22:UNBEDRUCKT	**0811862**	10
ZB 22,LGS:L1-N,PE	**0811875**	10
ZB 22 CUS	**0824949**	1

Accessories

CMS-P1-M/ZB	**5144699**	1

Zack marker strip terminal marking for a flat marker groove



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

Selection of labeling direction

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

Notes:
An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 112.
[1]) **10 identically marked** strips make up one packing unit (PU).
[2]) For ordering example, see page 359.

Can be printed with:

Plotter

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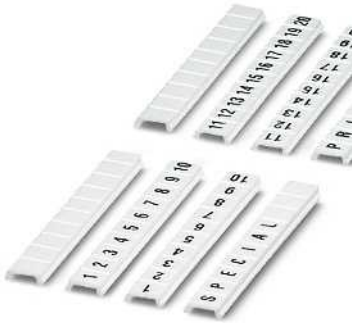


Markers for a terminal block width of 3.5 mm

Technical data

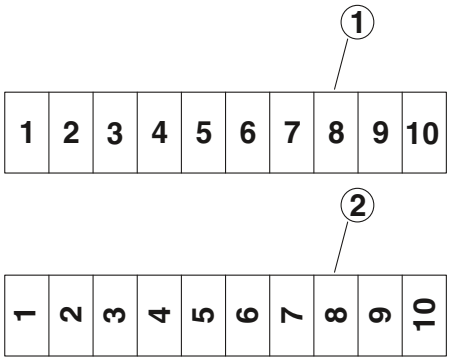
General data		
Can be printed with:		CMS-P1-PLOTTER
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

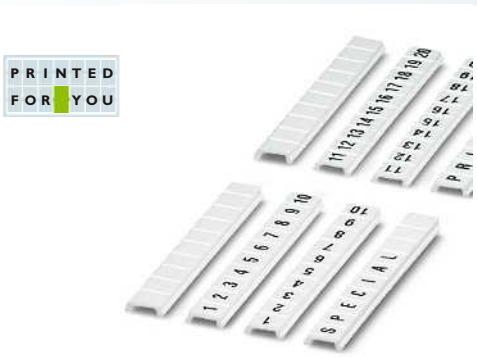
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Zack marker strip, flat, 10-section, unprinted: pack contains enough to label 100 terminal blocks	white	**ZBF 3,5:UNBEDRUCKT**	**0829392**	10
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	**ZBF 3,5,LGS:FORTL.ZAHLEN**	**0801406**	10
Zack marker strip, flat, printed horizontally, 10-section, with even numbers, e.g., 2-20, 22-40, 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	**ZBF 3,5,QR:FORTL.ZAHLEN**	**0801407**	10
Special marking zack marker strip, flat, 10-section, separable, marking acc. to customer specifications, (ZBF 3,5 and ZBF 4 max. 2 digits), please specify the required marking when ordering[2])	white	**ZBF 3,5 CUS**	**0829394**	1

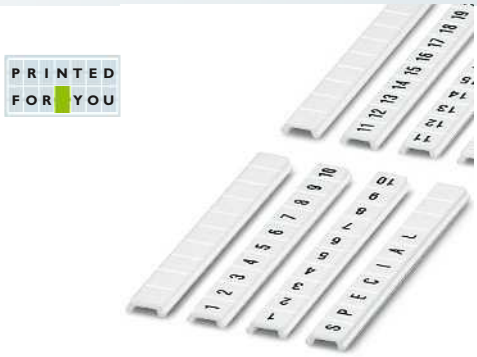
Accessories

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

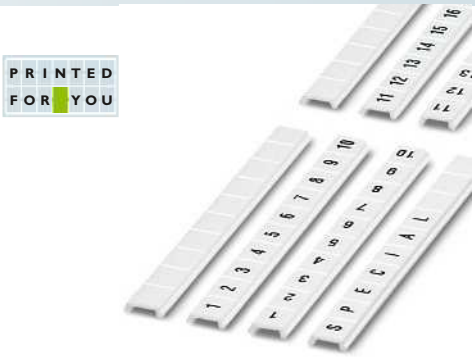




Markers for a terminal block width of 4.2 mm



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
ZBF 4 CUS	**0825023**	1

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 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
ZBF 5 CUS	**0825025**	1

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 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
ZBF 6 CUS	**0825027**	1

Accessories

CMS-P1-M/ZBF	**5144709**	1

Zack marker strip terminal marking for a flat marker groove

– The ZBF flat zack marker strip system is a labeling solution for modular terminal blocks and electronic modules with tall and flat marker grooves
– Labeling service: Phoenix Contact can custom-label all zack marker strip markers in accordance with your requirements

Notes:

[1]) **10 identically marked** strips make up one packing unit (PU).

[2]) For ordering example, see page 359.

Markers for a terminal block width of 7.5 mm

Markers for a terminal block width of 8.2 mm

Technical data

General data			
Can be printed with:		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

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Zack marker strip, flat, 10-section, without color print	white	**ZBF 7,5:UNBEDRUCKT**	**0809942**	10	**ZBF 8:UNBEDRUCKT**	**0808781**	10
5-section	white						
Zack marker strip, flat, printed horizontally, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100[1])	white	**ZBF 7,5,LGS:FORTL.ZAHLEN**	**0809955**	10	**ZBF 8,LGS:FORTL.ZAHLEN**	**0808804**	10
Zack marker strip, flat, printed vertically, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100[1])	white	**ZBF 7,5,QR:FORTL.ZAHLEN**	**0809968**	10			
Zack marker strip, flat, special printing, 10-section, divisible, marking according to customer requirements, please specify the desired marking with order[2])	white	**ZBF 7,5 CUS**	**0825028**	1	**ZBF 8 CUS**	**0825030**	1
5-section	white						

Accessories

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

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
ZBF 9 CUS	0829130	1

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
ZBF10 CUS	0825031	1

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
ZBF 12 CUS	0825018	1

Accessories

CMS-P1-M/ZBF	5144709	1

Zack marker strip terminal marking for a flat marker groove

– The ZBF flat zack marker strip system is a labeling solution for modular terminal blocks and electronic modules with tall and flat marker grooves
– Labeling service: Phoenix Contact can custom-label all zack marker strip markers in accordance with your requirements

Notes:

1) For ordering example, see page 359.

Markers for a terminal block width of 13 mm

Markers for a terminal block width of 15 mm

Technical data

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

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Zack marker strip, flat, 5-section, without color print	white	**ZBF 13:UNBEDRUCKT**	**0829133**	10
Zack marker strip, special printing, 5-section, divisible, marking according to customer requirements, please specify the desired marking with order[1])	white	**ZBF 13 CUS**	**0829134**	1

Ordering data

Type	Order No.	Pcs. / Pkt.
ZBF 15:UNBEDRUCKT	**0811202**	10
ZBF 15 CUS	**0825019**	1

Accessories

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

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
ZBF 16 CUS	0827465	1

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
ZBF 17 CUS	0825020	1

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

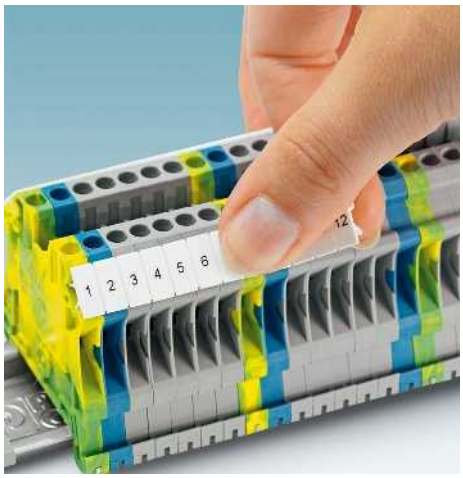
Ordering data

Type	Order No.	Pcs. / Pkt.
ZBF 19,7:UNBEDRUCKT	0810627	10
ZBF 19,7 CUS	0825021	1

Accessories

CMS-P1-M/ZBF	5144709	1

UniCard terminal marking for a tall marker groove



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

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 112.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

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102 markers for a terminal block width of 3.5 mm

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		102
Number of individual labels per strip		17
Material		PC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal blocks with a marker groove				
	white	**UCT-TM 3,5**	**0829484**	10
	red	**UCT-TM 3,5 RD**	**0829505**	10
	orange	**UCT-TM 3,5 OG**	**0829506**	10
	yellow	**UCT-TM 3,5 YE**	**0829485**	10
	violet	**UCT-TM 3,5 VT**	**0829507**	10
	blue	**UCT-TM 3,5 BU**	**0829508**	10
	green	**UCT-TM 3,5 GN**	**0829509**	10
UniCard, for labeling terminal blocks with a marker groove, **labeled acc. to customer specifications**[1])				
	white	**UCT-TM 3,5 CUS**	**0829581**	1
	red	**UCT-TM 3,5 RD CUS**	**0829582**	1
	orange	**UCT-TM 3,5 OG CUS**	**0829583**	1
	yellow	**UCT-TM 3,5 YE CUS**	**0829584**	1
	violet	**UCT-TM 3,5 VT CUS**	**0829585**	1
	blue	**UCT-TM 3,5 BU CUS**	**0829586**	1
	green	**UCT-TM 3,5 GN CUS**	**0829587**	1

Accessories

Magazine, for THERMOMARK CARD ... for accommodating: UCT–TM ..., UCT1–TM ..., UCT5–TM ..., UCT–EM (5X10), UCT-EM (6X10)	**THERMOMARK CARD-UCT-MAG1**	**5146480**	1

PRINTED FOR YOU

84 markers for a terminal block width of 4.2 mm

PRINTED FOR YOU

72 markers for a terminal block width of 5.2 mm

PRINTED FOR YOU

60 markers for a terminal block width of 6.2 mm

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	84
	14
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-TM 4	**0828732**	10
UCT-TM 4 RD	**0829149**	10
UCT-TM 4 OG	**0829150**	10
UCT-TM 4 YE	**0828733**	10
UCT-TM 4 VT	**0829151**	10
UCT-TM 4 BU	**0829152**	10
UCT-TM 4 GN	**0829153**	10
UCT-TM 4 CUS	**0829588**	1
UCT-TM 4 RD CUS	**0829589**	1
UCT-TM 4 OG CUS	**0829590**	1
UCT-TM 4 YE CUS	**0829591**	1
UCT-TM 4 VT CUS	**0829592**	1
UCT-TM 4 BU CUS	**0829593**	1
UCT-TM 4 GN CUS	**0829594**	1

Accessories

THERMOMARK CARD-UCT-MAG1	**5146480**	1

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	72
	12
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-TM 5	**0828734**	10
UCT-TM 5 RD	**0829154**	10
UCT-TM 5 OG	**0829155**	10
UCT-TM 5 YE	**0828735**	10
UCT-TM 5 VT	**0829156**	10
UCT-TM 5 BU	**0829157**	10
UCT-TM 5 GN	**0829158**	10
UCT-TM 5 CUS	**0829595**	1
UCT-TM 5 RD CUS	**0829596**	1
UCT-TM 5 OG CUS	**0829597**	1
UCT-TM 5 YE CUS	**0829598**	1
UCT-TM 5 VT CUS	**0829599**	1
UCT-TM 5 BU CUS	**0829600**	1
UCT-TM 5 GN CUS	**0829601**	1

Accessories

THERMOMARK CARD-UCT-MAG1	**5146480**	1

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	60
	10
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-TM 6	**0828736**	10
UCT-TM 6 RD	**0829159**	10
UCT-TM 6 OG	**0829160**	10
UCT-TM 6 YE	**0828737**	10
UCT-TM 6 VT	**0829161**	10
UCT-TM 6 BU	**0829162**	10
UCT-TM 6 GN	**0829163**	10
UCT-TM 6 CUS	**0829602**	1
UCT-TM 6 RD CUS	**0829603**	1
UCT-TM 6 OG CUS	**0829604**	1
UCT-TM 6 YE CUS	**0829605**	1
UCT-TM 6 VT CUS	**0829606**	1
UCT-TM 6 BU CUS	**0829607**	1
UCT-TM 6 GN CUS	**0829608**	1

Accessories

THERMOMARK CARD-UCT-MAG1	**5146480**	1

UniCard terminal marking for a tall marker groove

– The UCT-TM... UniCard labeling range includes markers for products with tall marker grooves
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

1) For ordering example, see page 359.

PRINTED FOR YOU

48 markers for a terminal block width of 7.62 mm

PRINTED FOR YOU

42 markers for a terminal block width of 8.2 mm

Technical data

General data			
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		48	42
Number of individual labels per strip		8	7
Material		PC	PC
Inflammability class according to UL 94		V0	V0
Temperature range	[°C]	-40 ... 120	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal blocks with a marker groove							
	white	**UCT-TM 7,62**	**0828738**	10	**UCT-TM 8**	**0828740**	10
	red	**UCT-TM 7,62 RD**	**0829510**	10	**UCT-TM 8 RD**	**0829164**	10
	orange	**UCT-TM 7,62 OG**	**0829511**	10	**UCT-TM 8 OG**	**0829165**	10
	yellow	**UCT-TM 7,62 YE**	**0828739**	10	**UCT-TM 8 YE**	**0828741**	10
	violet	**UCT-TM 7,62 VT**	**0829512**	10	**UCT-TM 8 VT**	**0829166**	10
	blue	**UCT-TM 7,62 BU**	**0829513**	10	**UCT-TM 8 BU**	**0829167**	10
	green	**UCT-TM 7,62 GN**	**0829514**	10	**UCT-TM 8 GN**	**0829168**	10
UniCard, for labeling terminal blocks with a marker groove, **labeled acc. to customer specifications**[1])							
	white	**UCT-TM 7,62 CUS**	**0829609**	1	**UCT-TM 8 CUS**	**0829616**	1
	red	**UCT-TM 7,62 RD CUS**	**0829610**	1	**UCT-TM 8 RD CUS**	**0829617**	1
	orange	**UCT-TM 7,62 OG CUS**	**0829611**	1	**UCT-TM 8 OG CUS**	**0829618**	1
	yellow	**UCT-TM 7,62 YE CUS**	**0829612**	1	**UCT-TM 8 YE CUS**	**0829619**	1
	violet	**UCT-TM 7,62 VT CUS**	**0829613**	1	**UCT-TM 8 VT CUS**	**0829620**	1
	blue	**UCT-TM 7,62 BU CUS**	**0829614**	1	**UCT-TM 8 BU CUS**	**0829621**	1
	green	**UCT-TM 7,62 GN CUS**	**0829615**	1	**UCT-TM 8 GN CUS**	**0829622**	1

Accessories

Magazine, for THERMOMARK CARD ... for accommodating: UCT–TM ..., UCT1–TM ..., UCT5–TM ..., UCT–EM (5X10), UCT-EM (6X10)		**THERMOMARK CARD-UCT-MAG1**	**5146480**	1	**THERMOMARK CARD-UCT-MAG1**	**5146480**	1

36 markers for a terminal block width of 10.2 mm

30 markers for a terminal block width of 12 mm

18 markers for a terminal block width of 16 mm

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	36
	6
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-TM 10	**0829142**	10
UCT-TM 10 RD	**0829169**	10
UCT-TM 10 OG	**0829170**	10
UCT-TM 10 YE	**0829143**	10
UCT-TM 10 VT	**0829171**	10
UCT-TM 10 BU	**0829172**	10
UCT-TM 10 GN	**0829173**	10
UCT-TM 10 CUS	**0829623**	1
UCT-TM 10 RD CUS	**0829624**	1
UCT-TM 10 OG CUS	**0829625**	1
UCT-TM 10 YE CUS	**0829626**	1
UCT-TM 10 VT CUS	**0829627**	1
UCT-TM 10 BU CUS	**0829628**	1
UCT-TM 10 GN CUS	**0829629**	1

Accessories

THERMOMARK CARD-UCT-MAG1	**5146480**	1

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	30
	5
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-TM 12	**0829144**	10
UCT-TM 12 RD	**0829174**	10
UCT-TM 12 OG	**0829175**	10
UCT-TM 12 YE	**0829145**	10
UCT-TM 12 VT	**0829176**	10
UCT-TM 12 BU	**0829177**	10
UCT-TM 12 GN	**0829178**	10
UCT-TM 12 CUS	**0829630**	1
UCT-TM 12 RD CUS	**0829631**	1
UCT-TM 12 OG CUS	**0829632**	1
UCT-TM 12 YE CUS	**0829633**	1
UCT-TM 12 VT CUS	**0829634**	1
UCT-TM 12 BU CUS	**0829635**	1
UCT-TM 12 GN CUS	**0829636**	1

Accessories

THERMOMARK CARD-UCT-MAG1	**5146480**	1

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	18
	3
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

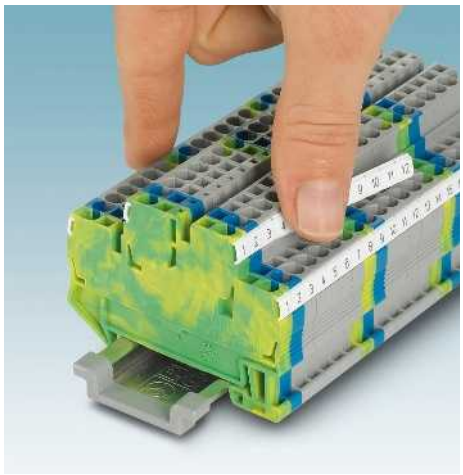
Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-TM 16	**0829146**	10
UCT-TM 16 RD	**0829179**	10
UCT-TM 16 OG	**0829180**	10
UCT-TM 16 YE	**0829147**	10
UCT-TM 16 VT	**0829181**	10
UCT-TM 16 BU	**0829182**	10
UCT-TM 16 GN	**0829183**	10
UCT-TM 16 CUS	**0829637**	1
UCT-TM 16 RD CUS	**0829638**	1
UCT-TM 16 OG CUS	**0829639**	1
UCT-TM 16 YE CUS	**0829640**	1
UCT-TM 16 VT CUS	**0829641**	1
UCT-TM 16 BU CUS	**0829642**	1
UCT-TM 16 GN CUS	**0829643**	1

Accessories

THERMOMARK CARD-UCT-MAG1	**5146480**	1

UniCard terminal marking for a flat marker groove



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

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 112.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

PRINTED FOR YOU

108 markers for a terminal block width of 3.5 mm

Technical data

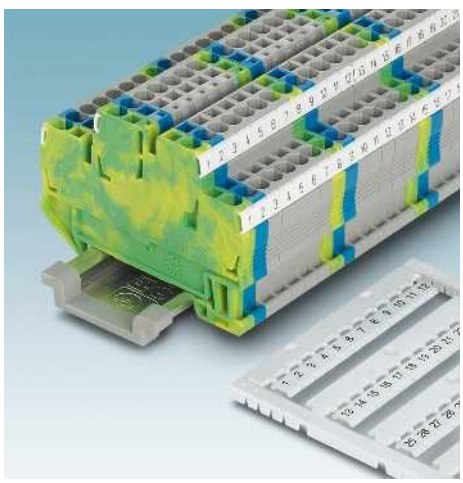
General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		108
Number of individual labels per strip		18
Material		PC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal blocks with a flat marker groove				
	white	**UCT-TMF 3,5**	**0829486**	10
	red	**UCT-TMF 3,5 RD**	**0829515**	10
	orange	**UCT-TMF 3,5 OG**	**0829516**	10
	yellow	**UCT-TMF 3,5 YE**	**0829487**	10
	violet	**UCT-TMF 3,5 VT**	**0829517**	10
	blue	**UCT-TMF 3,5 BU**	**0829518**	10
	green	**UCT-TMF 3,5 GN**	**0829519**	10
UniCard, for labeling terminal blocks with a flat marker groove, **labeled acc. to customer specifications**[1])				
	white	**UCT-TMF 3,5 CUS**	**0829644**	1
	red	**UCT-TMF 3,5 RD CUS**	**0829645**	1
	orange	**UCT-TMF 3,5 OG CUS**	**0829646**	1
	yellow	**UCT-TMF 3,5 YE CUS**	**0829647**	1
	violet	**UCT-TMF 3,5 VT CUS**	**0829648**	1
	blue	**UCT-TMF 3,5 BU CUS**	**0829649**	1
	green	**UCT-TMF 3,5 GN CUS**	**0829650**	1

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating: UCT–TMF ...	**THERMOMARK CARD-UCT-MAG2**	**5146563**	1



90 markers for a terminal block width of 4.2 mm

72 markers for a terminal block width of 5.2 mm

60 markers for a terminal block width of 6.2 mm

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	90
	15
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-TMF 4	**0828742**	10
UCT-TMF 4 RD	**0829184**	10
UCT-TMF 4 OG	**0829185**	10
UCT-TMF 4 YE	**0828743**	10
UCT-TMF 4 VT	**0829186**	10
UCT-TMF 4 BU	**0829187**	10
UCT-TMF 4 GN	**0829188**	10
UCT-TMF 4 CUS	**0829651**	1
UCT-TMF 4 RD CUS	**0829652**	1
UCT-TMF 4 OG CUS	**0829653**	1
UCT-TMF 4 YE CUS	**0829654**	1
UCT-TMF 4 VT CUS	**0829655**	1
UCT-TMF 4 BU CUS	**0829656**	1
UCT-TMF 4 GN CUS	**0829657**	1

Accessories

THERMOMARK CARD-UCT-MAG2	**5146563**	1

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	72
	12
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-TMF 5	**0828744**	10
UCT-TMF 5 RD	**0829189**	10
UCT-TMF 5 OG	**0829190**	10
UCT-TMF 5 YE	**0828745**	10
UCT-TMF 5 VT	**0829191**	10
UCT-TMF 5 BU	**0829192**	10
UCT-TMF 5 GN	**0829193**	10
UCT-TMF 5 CUS	**0829658**	1
UCT-TMF 5 RD CUS	**0829659**	1
UCT-TMF 5 OG CUS	**0829660**	1
UCT-TMF 5 YE CUS	**0829661**	1
UCT-TMF 5 VT CUS	**0829662**	1
UCT-TMF 5 BU CUS	**0829663**	1
UCT-TMF 5 GN CUS	**0829664**	1

Accessories

THERMOMARK CARD-UCT-MAG2	**5146563**	1

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	60
	10
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-TMF 6	**0828746**	10
UCT-TMF 6 RD	**0829194**	10
UCT-TMF 6 OG	**0829195**	10
UCT-TMF 6 YE	**0828747**	10
UCT-TMF 6 VT	**0829196**	10
UCT-TMF 6 BU	**0829197**	10
UCT-TMF 6 GN	**0829198**	10
UCT-TMF 6 CUS	**0829665**	1
UCT-TMF 6 RD CUS	**0829666**	1
UCT-TMF 6 OG CUS	**0829667**	1
UCT-TMF 6 YE CUS	**0829668**	1
UCT-TMF 6 VT CUS	**0829669**	1
UCT-TMF 6 BU CUS	**0829670**	1
UCT-TMF 6 GN CUS	**0829671**	1

Accessories

THERMOMARK CARD-UCT-MAG2	**5146563**	1

UniCard terminal marking for a flat marker groove

– The UCT-TMF ... UniCard labeling range includes markers for products with flat marker grooves
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

1) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

PRINTED FOR YOU

42 markers for a terminal block width of 8.2 mm

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		42
Number of individual labels per strip		7
Material		PC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal blocks with a flat marker groove				
	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 labeling terminal blocks with a flat marker groove, **labeled acc. to customer specifications**[1])				
	white	**UCT-TMF 8 CUS**	**0829672**	1
	red	**UCT-TMF 8 RD CUS**	**0829673**	1
	orange	**UCT-TMF 8 OG CUS**	**0829674**	1
	yellow	**UCT-TMF 8 YE CUS**	**0829675**	1
	violet	**UCT-TMF 8 VT CUS**	**0829676**	1
	blue	**UCT-TMF 8 BU CUS**	**0829677**	1
	green	**UCT-TMF 8 GN CUS**	**0829678**	1

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating: UCT–TMF ...		
THERMOMARK CARD-UCT-MAG2	**5146563**	1

36 markers for a terminal block width of 10.2 mm

30 markers for a terminal block width of 12 mm

24 markers for a terminal block width of 16 mm

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	36
	6
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-TMF 10	**0829204**	10
UCT-TMF 10 RD	**0829205**	10
UCT-TMF 10 OG	**0829206**	10
UCT-TMF 10 YE	**0829207**	10
UCT-TMF 10 VT	**0829208**	10
UCT-TMF 10 BU	**0829209**	10
UCT-TMF 10 GN	**0829210**	10
UCT-TMF 10 CUS	**0829679**	1
UCT-TMF 10 RD CUS	**0829680**	1
UCT-TMF 10 OG CUS	**0829681**	1
UCT-TMF 10 YE CUS	**0829682**	1
UCT-TMF 10 VT CUS	**0829683**	1
UCT-TMF 10 BU CUS	**0829684**	1
UCT-TMF 10 GN CUS	**0829685**	1

Accessories

THERMOMARK CARD-UCT-MAG2	**5146563**	1

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	30
	5
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-TMF 12	**0829214**	10
UCT-TMF 12 RD	**0829212**	10
UCT-TMF 12 OG	**0829213**	10
UCT-TMF 12 YE	**0829211**	10
UCT-TMF 12 VT	**0829215**	10
UCT-TMF 12 BU	**0829216**	10
UCT-TMF 12 GN	**0829217**	10
UCT-TMF 12 CUS	**0829686**	1
UCT-TMF 12 RD CUS	**0829687**	1
UCT-TMF 12 OG CUS	**0829688**	1
UCT-TMF 12 YE CUS	**0829689**	1
UCT-TMF 12 VT CUS	**0829690**	1
UCT-TMF 12 BU CUS	**0829691**	1
UCT-TMF 12 GN CUS	**0829692**	1

Accessories

THERMOMARK CARD-UCT-MAG2	**5146563**	1

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	24
	4
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

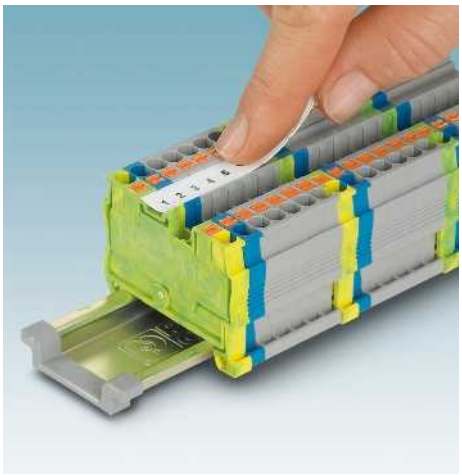
Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-TMF 16	**0829218**	10
UCT-TMF 16 RD	**0829219**	10
UCT-TMF 16 OG	**0829220**	10
UCT-TMF 16 YE	**0829221**	10
UCT-TMF 16 BU	**0829223**	10
UCT-TMF 16 GN	**0829224**	10
UCT-TMF 16 CUS	**0829693**	1
UCT-TMF 16 RD CUS	**0829694**	1
UCT-TMF 16 OG CUS	**0829695**	1
UCT-TMF 16 YE CUS	**0829696**	1
UCT-TMF 16 VT CUS	**0829697**	1
UCT-TMF 16 BU CUS	**0829698**	1
UCT-TMF 16 GN CUS	**0829699**	1

Accessories

THERMOMARK CARD-UCT-MAG2	**5146563**	1

UniSheet terminal marking for a universal marker groove



- 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
- Labeling service: Phoenix Contact can custom-label all UniSheet markers in accordance with your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 112.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

PRINTED FOR YOU

13 strips with a strip width of 104 mm

Technical data

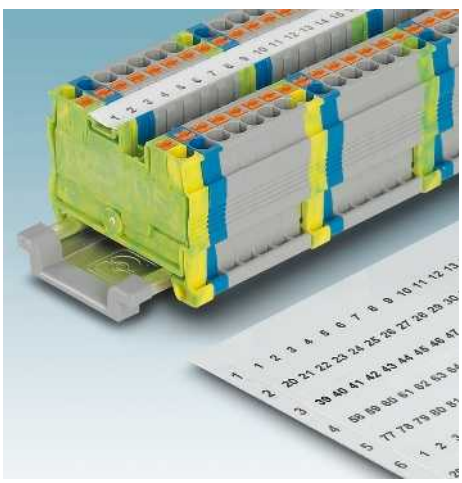
General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD
Material		PVC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

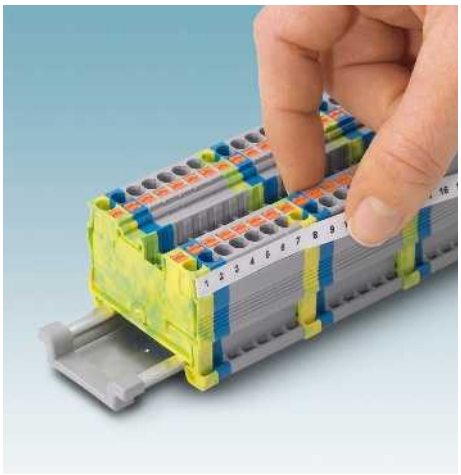
Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet, for marking push-in terminal blocks with a special center groove	white	**US-TM 100**	**0829255**	10
UniSheet, for labeling push-in terminal blocks with a special center groove, **labeled acc. to customer specifications**[1])	white	**US-TM 100 CUS**	**0829948**	1

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US-... materials	**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
- Labeling service: Phoenix Contact can custom-label all UniSheet markers in accordance with your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 112.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

PRINTED FOR YOU

20 strips with a strip width of 104 mm

Technical data

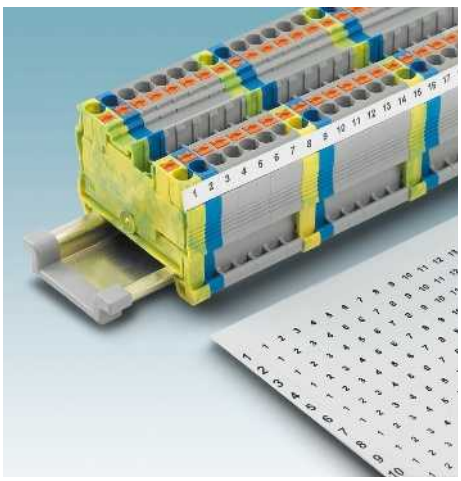
General data	
Can be printed with:	THERMOMARK CARD PLUS • THERMOMARK CARD
Material	PVC
Inflammability class according to UL 94	V0
Temperature range [°C]	-30 ... 80
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Silicone-free

Ordering data

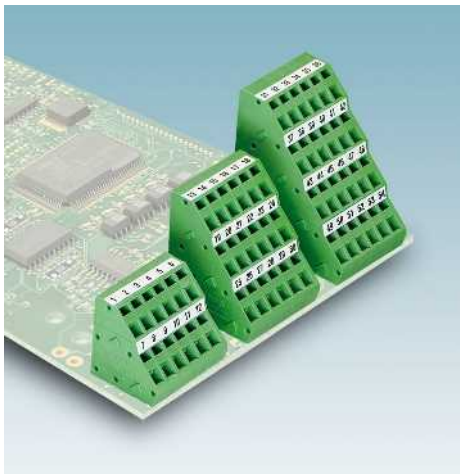
Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet, for labeling terminal blocks with a tall, flat or universal marker groove	white	**US-TMF 100**	**0829260**	10
UniSheet, for labeling terminal blocks with a flat marker groove, **labeled acc. to customer specifications**[1])	white	**US-TMF 100 CUS**	**0829949**	1

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials	**THERMOMARK CARD-US-MAG1**	**5146451**	1



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



- The US-TML labeling 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

Can be printed with:

Thermal transfer for sheets and cards

N

26 strips, 104 mm wide, 2.8 mm high

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD
Number of individual labels		26
Number of individual labels per strip		1
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

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

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials	**THERMOMARK CARD-US-MAG1**	**5146451**	1

N

22 strips, 104 mm wide, 3.8 mm high

Technical data	
THERMOMARK CARD PLUS • 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

N

19 strips, 104 mm wide, 5 mm high

Technical data	
THERMOMARK CARD PLUS • 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

N

11 strips, 104 mm wide, 10 mm high

Technical data	
THERMOMARK CARD PLUS • 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

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

– The TMT labeling 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 labeled using THERMOMARK printers
– The perforated marking strips are easy to separate and can be easily fitted using the tool supplied
– Labeling service: Phoenix Contact can custom-label all TMT markers in accordance with your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 112.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU

Markers for a terminal block width of 4.2 mm

Technical data

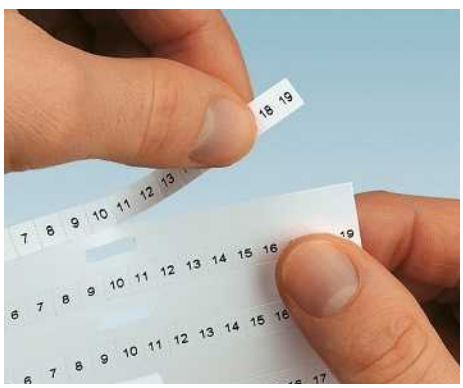
General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Number of individual labels		24000
Number of individual labels per strip		24
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
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, strip height: 6.4 mm, incl. TMT TOOL				
	white	**TMT 4 R**	**0816375**	1
	red	**TMT 4 R RD**	**0816362**	1
	blue	**TMT 4 R BU**	**0816333**	1
	yellow	**TMT 4 R YE**	**0816388**	1
	green	**TMT 4 R GN**	**0816346**	1
	orange	**TMT 4 R OG**	**0816359**	1
Markers, perforated, labeled acc. to customer specifications, for all terminal blocks with a tall, flat or universal marker groove[1])				
	white	**TMT 4 R CUS**	**0824476**	1
	red	**TMT 4 R RD CUS**	**0824480**	1
	blue	**TMT 4 R BU CUS**	**0824477**	1
	yellow	**TMT 4 R YE CUS**	**0824481**	1
	green	**TMT 4 R GN CUS**	**0824478**	1
	orange	**TMT 4 R OG CUS**	**0824479**	1

Accessories

Locking tool to snap into the TMT... materials				
	orange	**TMT TOOL**	**0816650**	1



Marker for a terminal block width of 5.2 mm

Marker for a terminal block width of 6.2 mm

Marker for a terminal block width of 8.2 mm

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
19000
19
Polyester
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
TMT 5 R	**0816430**	1
TMT 5 R RD	**0816427**	1
TMT 5 R BU	**0816391**	1
TMT 5 R YE	**0816443**	1
TMT 5 R GN	**0816401**	1
TMT 5 R OG	**0816414**	1
TMT 5 R CUS	**0824482**	1
TMT 5 R RD CUS	**0824486**	1
TMT 5 R BU CUS	**0824483**	1
TMT 5 R YE CUS	**0824487**	1
TMT 5 R GN CUS	**0824484**	1
TMT 5 R OG CUS	**0824485**	1

Accessories

TMT TOOL	**0816650**	1

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
16000
16
Polyester
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
TMT 6 R	**0816498**	1
TMT 6 R RD	**0816485**	1
TMT 6 R BU	**0816456**	1
TMT 6 R YE	**0816508**	1
TMT 6 R GN	**0816469**	1
TMT 6 R OG	**0816472**	1
TMT 6 R CUS	**0824488**	1
TMT 6 R RD CUS	**0824492**	1
TMT 6 R BU CUS	**0824489**	1
TMT 6 R YE CUS	**0824493**	1
TMT 6 R GN CUS	**0824490**	1
TMT 6 R OG CUS	**0824491**	1

Accessories

TMT TOOL	**0816650**	1

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
12000
12
Polyester
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
TMT 8 R	**0816553**	1
TMT 8 R RD	**0816540**	1
TMT 8 R BU	**0816511**	1
TMT 8 R YE	**0816566**	1
TMT 8 R GN	**0816524**	1
TMT 8 R OG	**0816537**	1
TMT 8 R CUS	**0824494**	1
TMT 8 R RD CUS	**0824498**	1
TMT 8 R BU CUS	**0824495**	1
TMT 8 R YE CUS	**0824499**	1
TMT 8 R GN CUS	**0824496**	1
TMT 8 R OG CUS	**0824497**	1

Accessories

TMT TOOL	**0816650**	1

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

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

Notes:

1) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU

Markers for a terminal block width of 10.2 mm

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Number of individual labels		10000
Number of individual labels per strip		10
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, strip height: 6.4 mm, incl. TMT TOOL	white	**TMT 10 R**	**0816210**	1
Markers, perforated, labeled acc. to customer specifications, for all terminal blocks with a tall, flat or universal marker groove[1])	white	**TMT 10 R CUS**	**0824500**	1
Marker, for terminal blocks, **unperforated, unprinted,** strip width: 101.5 mm, 1 roll = 1000 strips, incl. TMT TOOL	white			
	red			
	blue			
	yellow			
	green			
	orange			
Marker, for terminal blocks, **unperforated, labeled as per customer specifications**, strip width: 101.5 mm[1])	white			
	red			
	blue			
	yellow			
	green			
	orange			

Accessories

Locking tool to snap into the TMT... materials	orange	**TMT TOOL**	**0816650**	1

PRINTED FOR YOU

Markers with a strip width of 101.5 mm

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
1000
1
Polyester
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
TMT 100 R	**0816605**	1
TMT 100 R RD	**0816595**	1
TMT 100 R BU	**0816223**	1
TMT 100 R YE	**0816618**	1
TMT 100 R GN	**0816579**	1
TMT 100 R OG	**0816582**	1
TMT 100 R CUS	**0824501**	1
TMT 100 R RD CUS	**0824505**	1
TMT 100 R BU CUS	**0824502**	1
TMT 100 R YE CUS	**0824506**	1
TMT 100 R GN CUS	**0824503**	1
TMT 100 R OG CUS	**0824504**	1

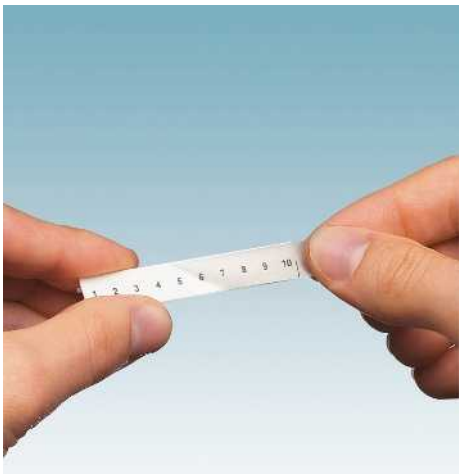
Accessories

TMT TOOL	**0816650**	1

Self-adhesive marker strips

Can be printed with:

Thermal transfer for rolls



Marker with strip width of 101.5 mm

- The products in the TML labeling range allow subsequent labeling 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 labeled using THERMOMARK printers
- Labeling service: Phoenix Contact can custom-label all TML markers in accordance with your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 112.

[1]) For ordering example, see page 359.

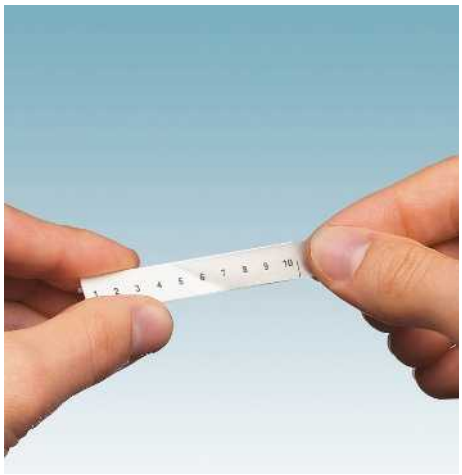
Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Number of individual labels per strip		1
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, perforated, 1 roll = 1000 strips, strip length: 101 mm, strip height: 9.5 mm				
	transparent	**TML (101X9,5)R TR**	**0816647**	1
labeled according to customer specifications[1])	transparent	**TML (101X9,5)R TR CUS**	**0824473**	1
Marking foil for zack marker strip, flat, unprinted, perforated, 1 roll = 1000 strips, strip length: 101 mm, strip height: 4.2 mm				
	transparent	**TML (101X4,2)R TR**	**0816621**	1
labeled according to customer specifications[1])	transparent	**TML (101X4,2)R TR CUS**	**0824472**	1

Self-adhesive marker strips



– The products in the TML labeling range allow subsequent labeling 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 labeled using THERMOMARK printers
– Labeling service: Phoenix Contact can custom-label all TML markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU

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

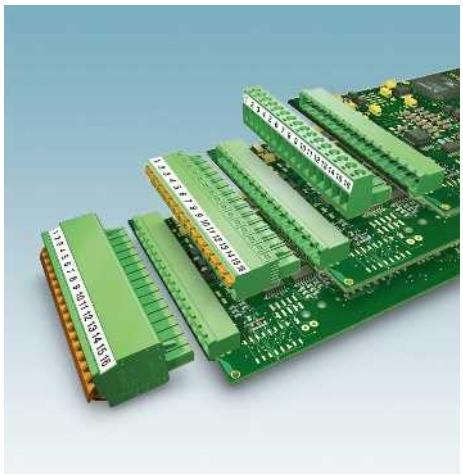
Technical data

General data	
Can be printed with:	THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Number of individual labels per strip	1
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
labeled according to customer specifications[1])	transparent	**TML (EX9,5)R TR CUS**	**0824475**	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
labeled according to customer specifications[1])	transparent	**TML (EX4,2)R TR CUS**	**0824474**	1

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



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Markers labeled with 2.54 mm pitch

- 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 labeled using THERMOMARK printers
- The markers that are supplied as cards can be easily labeled using standard laser printers
- Ideal for labeling COMBICON connectors
- Labeling service: Phoenix Contact can custom-label SK markers in accordance with your requirements

Notes:

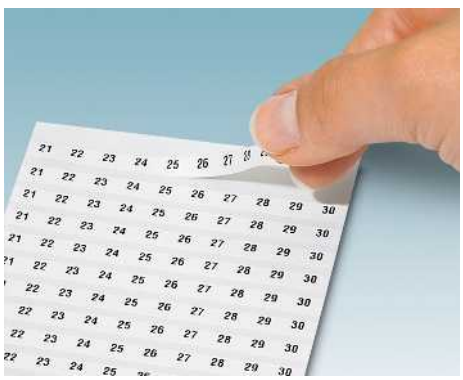
[1]) For ordering example, see page 359.

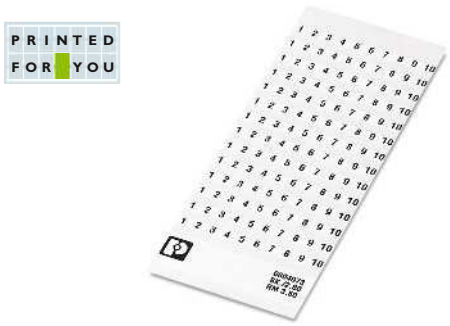
Technical data

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

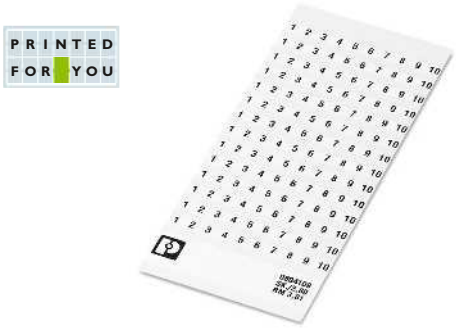
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marker card, printed horizontally, self-adhesive, 10-section marking stripes, 14 identical decades marked with 1-10, 11-20, etc. up to 91-100, adequate for 140 terminal blocks (SK 2,54...-SK 3,81...max. 2 characters per terminal block)	white	**SK 2,54/2,8:FORTL.ZAHLEN**	**0804853**	10
Marker card, self-adhesive, marked according to customer specifications, 14-section marker strips, max. 25-pos. marking (SK...P2,54 to SK...P3,81 max. 2 characters per pos.)[1])	white	**SK 2,8 REEL P2,54 WH CUS**	**0825120**	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
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





Markers labeled with 3.5 mm pitch



Markers labeled with 3.81 mm pitch

Markers labeled with 5.08 mm pitch

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
SK 3,5/2,8:FORTL.ZAHLEN	0804073	10
SK 2,8 REEL P3,5 WH CUS	0825121	1
SK U/2,8 WH:UNBEDRUCKT	0803883	10
SK 2,8 WH:REEL	0805205	1

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
SK 3,81/2,8:FORTL.ZAHLEN	0804109	10
SK 2,8 REEL P3,81 WH CUS	0825122	1
SK U/2,8 WH:UNBEDRUCKT	0803883	10
SK 2,8 WH:REEL	0805205	1

Technical data

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

Ordering data

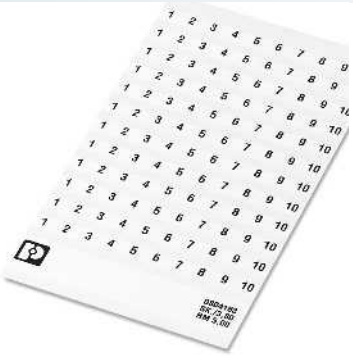
Type	Order No.	Pcs. / Pkt.
SK 5,08/2,8:FORTL.ZAHLEN	0804280	10
SK 2,8 REEL P5,08 WH CUS	0825123	1
SK U/2,8 WH:UNBEDRUCKT	0803883	10
SK 2,8 WH:REEL	0805205	1

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

– The SK range of self-adhesive labels can be used to label products that do not feature a marker groove
– Labeling service: Phoenix Contact can custom-label SK markers in accordance with your requirements

Notes:

1) For ordering example, see page 359.

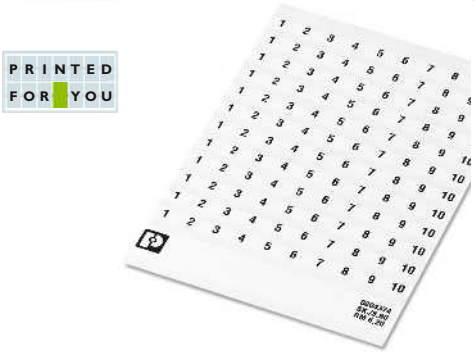


Markers labeled with 5 mm pitch

Markers labeled with 5.08 mm pitch

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

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Marker card, printed horizontally, self-adhesive, 10-section marker strip, 12 identical decades 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	**SK 5,08/3,8:FORTL.ZAHLEN**	**0804293**	10
Marker card, self-adhesive, marked according to customer specifications, 12-section marker strips, max. 25-pos. marking per strip[1])	white	**SK 3,8 REEL P5 WH CUS**	**0825124**	1	**SK 3,8 REEL P5,08 WH CUS**	**0825125**	1
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	**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	**SK 3,8 WH:REEL**	**0805218**	1



Markers labeled with 6.2 mm pitch

Markers labeled with 7.5 mm pitch

Markers labeled with 7.62 mm pitch

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
SK 6,2/3,8:FORTL.ZAHLEN	0804374	10
SK 3,8 REEL P6,2 WH CUS	0825126	1
SK U/3,8 WH:UNBEDRUCKT	0803906	10
SK 3,8 WH:REEL	0805218	1

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
SK 7,5/3,8:FORTL.ZAHLEN	0804455	10
SK 3,8 REEL P7,5 WH CUS	0825127	1
SK U/3,8 WH:UNBEDRUCKT	0803906	10
SK 3,8 WH:REEL	0805218	1

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
SK 7,62/3,8:FORTL.ZAHLEN	0804549	10
SK 3,8 REEL P7,62 WH CUS	0825128	1
SK U/3,8 WH:UNBEDRUCKT	0803906	10
SK 3,8 WH:REEL	0805218	1

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
– Labeling service: Phoenix Contact can custom-label all TMT markers in accordance with your requirements

Notes:

1) For ordering example, see page 359.

Markers labeled with 7.5 mm pitch

Markers labeled with 7.62 mm pitch

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

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Marker card, printed horizontally, self-adhesive, 10-section marker strip, 10 identical decades marked 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, self-adhesive, labeled according to customer specifications, 10-section marker strips, max. 25-pos. marking per strip[1])	white	**SK 5,0 REEL P7,5 WH CUS**	**0825131**	1	**SK 5,0 REEL P7,62 WH CUS**	**0825132**	1
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

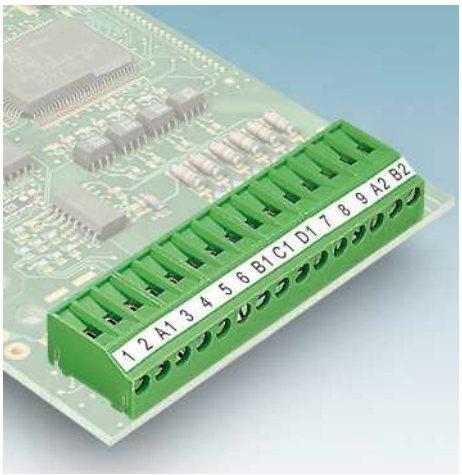
Markers with a strip length of up to 1000 mm

Markers with a strip length of up to 185 mm

	Technical data	Technical data
General data		
Can be printed with:	THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1	CMS-P1-PLOTTER • Office printing systems
Material	Polyester	Polyester
Temperature range [°C]	-40 ... 150	-40 ... 150
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone and halogen	free from silicone and halogen

		Ordering data			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

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



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

Thermal transfer for rolls

N

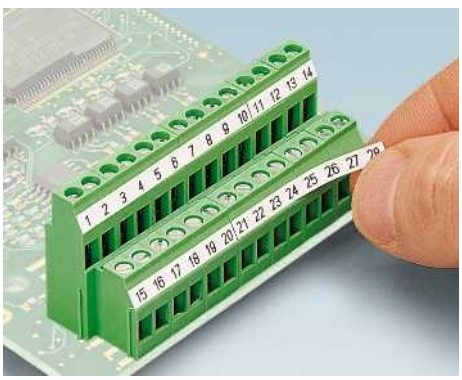
Unlabeled

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Number of individual labels per strip		1
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

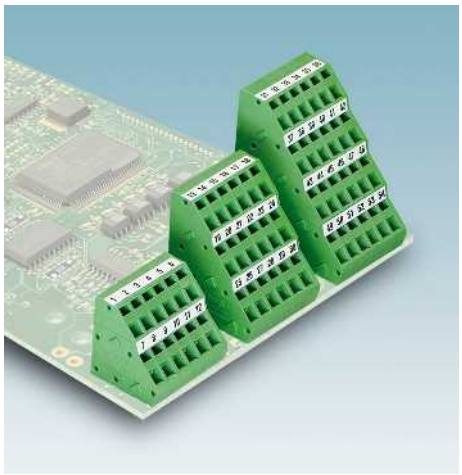
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
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



N

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



Thermal transfer for rolls

Unlabeled

- The TML marking range offers 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

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Number of individual labels per strip		14
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.
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
1 roll = 30 m continuous, strip height: 7 mm	white	**TML (EX7)R**	**0830837**	1
1 roll = 30 m continuous, strip height: 10 mm	white	**TML (EX10)R**	**0801839**	1

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

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

PRINTED FOR YOU

- Group marking which saves space
- Large labeling option
- The markers, which are supplied in uniform sheets, can be labeled quickly and easily using the BLUEMARK CLED and THERMOMARK CARD ...
- The format automatically ensures printing with a high level of positional accuracy
- The markers support multiline labeling
- The sheets provide space for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

1) For ordering example, see page 359.

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		24
Material		PC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, can be labeled with THERMOMARK CARD and BLUEMARK				
Lettering field size: 30 x 5 mm	white	**UCT-EM (30X5)**	**0801505**	10
	yellow	**UCT-EM (30X5) YE**	**0830340**	10
UniCard, labeled according to customer specifications[1])				
Lettering field size: 30 x 5 mm	white	**UCT-EM (30X5) CUS**	**0801589**	1
	yellow	**UCT-EM (30X5) YE CUS**	**0830348**	1

Accessories

End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs	**CLIPFIX 35-5**	**3022276**	50
Magazine, for THERMOMARK CARD ..., for accommodating: UCT–EM (30X5) for accommodating UCT–EM (30X5)	**THERMOMARK CARD-UCT-MAG10**	**0801737**	1

Labeling of terminal block groups for snapping into a tall marker groove

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

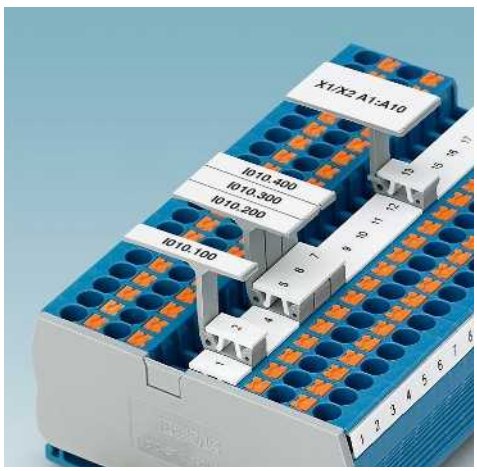
3.5 mm and 5.2 mm pitch

29 mm pitch

		Technical data	Technical data
General data			
Material		PA	PA / PC
Inflammability class according to UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 100
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.
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	**GBS 3,5-25X3,5**	**0830290**	100			
	gray	**GBS 3,5-25X12**	**0830292**	100			
Group marking label, can be snapped into terminal center, can be marked with an EML (24X4)R or EML (25,4X12,7)R label or manually with B–STIFT or X–PEN, in the foot part with ZB 5, UC–TM 5							
	gray	**GBS 5-25X5**	**0829126**	100			
	gray	**GBS 5-25X12**	**0810588**	100			
Group marking label, can be snapped into terminal center, can be labeled 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				**GBS-ZB/26X6**	**0809298**	50

		Accessories			Accessories		
Label							
2500 labels p. roll	white	**EML (24X3)R**	**0830291**	1			
2500 labels p. roll	white	**EML (25,4X12,7)R**	**0816825**	1			
1000 labels p. roll	white	**EML (24X4)R**	**0800061**	1			
Insert strip for laser printer, perforated, for terminal strip marker KLM, labeling field: 26 x 6 mm							
Lettering field size: 26 x 6 mm	white				**ESL 26X 6**	**0808105**	10
Insert labels for thermal transfer printers							
Lettering field size: 25 x 6 mm, 5000 labels p. roll	white				**EMT (25X6)R**	**0817264**	1



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

STP ...

– The labeling areas of wired multi-level terminal blocks are increased in size using the marker carriers
– Depending on the 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

Technical data

General data		
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 100
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Double marker carrier, can be snapped into push-in double-level terminal blocks PTTB 1,5/S, can be labeled with ZB 3,5 or ZBF 3,5	gray	**STP 3,5-2**	**0830131**	100
Triple marker carrier, can be snapped into the push-in three-level terminal block PT 1,5/S-3..., can be labeled with ZB 3,5 or ZBF 3,5	gray	**STP 3,5-3**	**0830132**	100
Double marker carrier, can be snapped into the double-level terminal blocks STTB 1,5, PTTB 1,5, can be labeled with UC-TM 4, ZB 4 or UC-TMF 4, ZBF 4	gray	**STP 4-2**	**0810575**	100
Double marker carrier, can be snapped into STTB 2,5, STTB 4, PTTB 2,5, PTTB 4 double-level terminal blocks, can be labeled with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5	gray	**STP 5-2**	**0800967**	100
Three-compartment marker carrier, can be snapped into ST 2,5–3... and PT 2,5–3... three-level terminal blocks, can be labeled with UC–TMF 5 and ZBF 5 or ...TM 5 and ZB 5	gray	**STP 5-3**	**0810562**	100
Double marker carrier, snaps into double-level fast connection terminal blocks, QTTCB ... and QTTCBS, can be labeled with ZB 5 and ZBF 5	gray	**STP 5-2/S**	**0800970**	100
Double marker carrier, snaps into all terminal blocks with a width of 4.2 mm and a zack marker strip center groove, can be labeled with ZB 4 or ZBF 4	gray	**STP 4-2-ZB**	**3038613**	100
Double marker carrier, snaps into all terminal blocks with a width of 5.2 mm and a zack marker strip center groove, can be labeled with ZB 5 or ZBF 5	gray	**STP 5-2-ZB**	**3037643**	100
Marker adapter, 300 mm long, can be snapped into the lateral groove on modular terminal blocks, designed to accommodate ZB ... or UC–TM ...	gray	**CARRIER-TM 300**	**0828282**	25
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 ...	gray	**CARRIER-TMD 300**	**0828693**	25
Marker adapters, such as the CARRIER-TM 300; marking area at an angle to the top of the terminal block	gray	**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

Technical data

General data	
Material	PA
Wipe resistance	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 for Phoenix Contact

Large terminal block markers for central and side labeling

		UC-TM 4	UC-TM 5	UC-TM 6	UC-TM 8	UC-TM 10	UC-TM 12	UC-TM 16
		see page 58 onwards						
		ZB 4	ZB 5	ZB 6	ZB 8	ZB 10	ZB 12	ZB 16
		see page 68 onwards						
		UCT-TM 4	UCT-TM 5	UCT-TM 6	UCT-TM 8	UCT-TM 10	UCT-TM 12	UCT-TM 16
		see page 82 onwards						
		TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
		see page 94 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 labeling

		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 62 onwards							91
		ZBF 4	ZBF 5	ZBF 6	ZBF 8	ZBF 10	ZBF 12	ZBF 16	
		see page 76 onwards							
		UCT-TMF 4	UCT-TMF 5	UCT-TMF 6	UCT-TMF 8	UCT-TMF 10	UCT-TMF 12	UCT-TMF 16	
		see page 86 onwards							
		TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R	
		see page 94 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 for Phoenix Contact

Large terminal block markers for central labeling

			UC-TM 4	UC-TM 5	UC-TM 6		UC-TM 8	UC-TM 10	UC-TM 12	UC-TM 16
						see page 58 onwards				
		ZB 3,5	ZB 4	ZB 5	ZB 6	ZB 7,62	ZB 8	ZB 10	ZB 12	ZB 16
						see page 68 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 82 onwards				
			TMT 4 R	TMT 5 R	TMT 6 R		TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
						see page 94 onwards				
	Pitch	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 labeling

			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 62 onwards							91
		ZBF 3,5	ZBF 4	ZBF 5	ZBF 6	ZBF 8	ZBF 10	ZBF 12	ZBF 16	
		see page 76 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 86 onwards								
			TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R	
		see page 94 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 for Phoenix Contact

Large terminal block markers for central labeling

			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 58 onwards					91
		ZB 3,5	ZB 4	ZB 5	ZB 6	ZB 8	ZB 10	ZB 12	ZB 16	
					see page 68 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 82 onwards					
			TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R	
					see page 94 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 labeling

			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 62 onwards					91
		ZBF 3,5	ZBF 4	ZBF 5	ZBF 6	ZBF 8	ZBF 10	ZBF 12	ZBF 16	
					see page 76 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 86 onwards					
			TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R	
					see page 94 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	■	■	■	■	■				■

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

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

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

UV LED technology

Plotter

96 markers for a terminal block width of 5 mm

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		96
Number of individual labels per strip		12
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 labeling terminal block brands from other companies				
	white	**UC1-TM 5**	**0821784**	10
	red	**UC1-TM 5 RD**	**0828185**	10
	orange	**UC1-TM 5 OG**	**0828186**	10
	yellow	**UC1-TM 5 YE**	**0828187**	10
	blue	**UC1-TM 5 BU**	**0828188**	10
	green	**UC1-TM 5 GN**	**0828189**	10
With offset foot, see pictogram product photo	white			
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])				
	white	**UC1-TM 5 CUS**	**0824507**	1
	red	**UC1-TM 5 RD CUS**	**0828318**	1
	orange	**UC1-TM 5 OG CUS**	**0828319**	1
	yellow	**UC1-TM 5 YE CUS**	**0828320**	1
	blue	**UC1-TM 5 BU CUS**	**0828321**	1
	green	**UC1-TM 5 GN CUS**	**0828322**	1
With offset foot, see pictogram product photo	white			

Accessories

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

96 markers for a terminal block width of 5 mm, with an offset foot

80 markers for a terminal block width of 6 mm

64 markers for a terminal block width of 8 mm

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	96
	12
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC1U-TM 5	0821302	10
UC1U-TM 5 CUS	0824521	1

Accessories

P1 UC-MAG 5	5146118	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	80
	10
	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 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 6 CUS	0824509	1
UC1-TM 6 RD CUS	0828323	1
UC1-TM 6 OG CUS	0828324	1
UC1-TM 6 YE CUS	0828325	1
UC1-TM 6 BU CUS	0828326	1
UC1-TM 6 GN CUS	0828327	1

Accessories

P1 UC-MAG 5	5146118	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	64
	8
	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 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
UC1-TM 8 CUS	0824511	1
UC1-TM 8 RD CUS	0828328	1
UC1-TM 8 OG CUS	0828329	1
UC1-TM 8 YE CUS	0828330	1
UC1-TM 8 BU CUS	0828331	1
UC1-TM 8 GN CUS	0828332	1

Accessories

P1 UC-MAG 5	5146118	1

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

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

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

UV LED technology

Plotter

PRINTED FOR YOU

120 markers for a terminal block width of 4 mm

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		120
Number of individual labels per strip		15
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 labeling terminal block brands from other companies				
	white	**UC1-TMF 4**	**0821360**	10
	red	**UC1-TMF 4 RD**	**0828200**	10
	orange	**UC1-TMF 4 OG**	**0828201**	10
	yellow	**UC1-TMF 4 YE**	**0828202**	10
	blue	**UC1-TMF 4 BU**	**0828203**	10
	green	**UC1-TMF 4 GN**	**0828204**	10
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])				
	white	**UC1-TMF 4 CUS**	**0824513**	1
	red	**UC1-TMF 4 RD CUS**	**0828333**	1
	orange	**UC1-TMF 4 OG CUS**	**0828334**	1
	yellow	**UC1-TMF 4 YE CUS**	**0828335**	1
	blue	**UC1-TMF 4 BU CUS**	**0828336**	1
	green	**UC1-TMF 4 GN CUS**	**0828337**	1

Accessories

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

96 markers for a terminal block width of 5 mm

80 markers for a terminal block width of 6 mm

64 markers for a terminal block width of 8 mm

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	96
	12
	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 5	**0821425**	10
UC1-TMF 5 RD	**0828205**	10
UC1-TMF 5 OG	**0828206**	10
UC1-TMF 5 YE	**0828127**	10
UC1-TMF 5 BU	**0828207**	10
UC1-TMF 5 GN	**0828208**	10
UC1-TMF 5 CUS	**0824515**	1
UC1-TMF 5 RD CUS	**0828338**	1
UC1-TMF 5 OG CUS	**0828339**	1
UC1-TMF 5 YE CUS	**0828340**	1
UC1-TMF 5 BU CUS	**0828341**	1
UC1-TMF 5 GN CUS	**0828342**	1

Accessories

P1 UC-MAG 4	**5146105**	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	80
	10
	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 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 6 CUS	**0824517**	1
UC1-TMF 6 RD CUS	**0828343**	1
UC1-TMF 6 OG CUS	**0828344**	1
UC1-TMF 6 YE CUS	**0828345**	1
UC1-TMF 6 BU CUS	**0828346**	1
UC1-TMF 6 GN CUS	**0828347**	1

Accessories

P1 UC-MAG 4	**5146105**	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	64
	8
	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 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
UC1-TMF 8 CUS	**0824519**	1
UC1-TMF 8 RD CUS	**0828348**	1
UC1-TMF 8 OG CUS	**0828349**	1
UC1-TMF 8 YE CUS	**0828350**	1
UC1-TMF 8 BU CUS	**0828351**	1
UC1-TMF 8 GN CUS	**0828352**	1

Accessories

P1 UC-MAG 4	**5146105**	1

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

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

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

UV LED technology

Plotter

PRINTED FOR YOU

120 markers for a terminal block width of 4 mm

Technical data

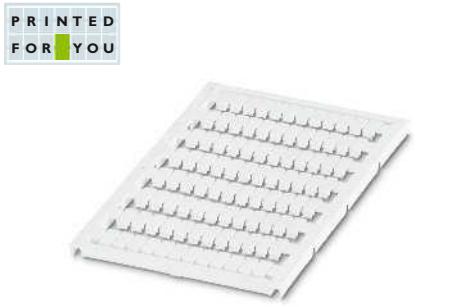
General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		120
Number of individual labels per strip		15
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

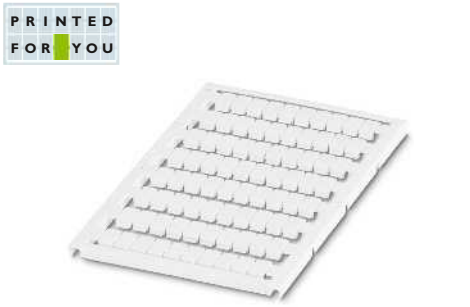
Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal block brands from other companies	white	**UC2-TM 4**	**0821713**	10
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])	white white white white	**UC2-TM 4 CUS**	**0824533**	1

Accessories

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



96 markers for a terminal block width of 5 mm



80 markers for a terminal block width of 6 mm

64 markers for a terminal block width of 8 mm

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
96
12
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC2-TM 5	**0821690**	10
UC2-TM 5 CUS	**0824535**	1

Accessories

P1 UC-MAG 5	**5146118**	1

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
80
10
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC2-TM 6	**0821674**	10
UC2-TM 6 CUS	**0824537**	1

Accessories

P1 UC-MAG 5	**5146118**	1

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
64
8
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC2-TM 8	**0821755**	10
UC2-TM 8 CUS	**0824539**	1

Accessories

P1 UC-MAG 5	**5146118**	1

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

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

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

UV LED technology

Plotter

120 markers for a terminal block width of 4 mm

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		120
Number of individual labels per strip		15
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 labeling terminal block brands from other companies	white	**UC2F-TM 4**	**0822178**	10
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])	white	**UC2F-TM 4 CUS**	**0824525**	1

Accessories

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

96 markers for a terminal block width of 5 mm

80 markers for a terminal block width of 6 mm

64 markers for a terminal block width of 8 mm

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	96
	12
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC2F-TM 5	**0822181**	10
UC2F-TM 5 CUS	**0824527**	1

Accessories

P1 UC-MAG 4	**5146105**	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	80
	10
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC2F-TM 6	**0822194**	10
UC2F-TM 6 CUS	**0824529**	1

Accessories

P1 UC-MAG 4	**5146105**	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	64
	8
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UC2F-TM 8	**0822204**	10
UC2F-TM 8 CUS	**0824531**	1

Accessories

P1 UC-MAG 4	**5146105**	1

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

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

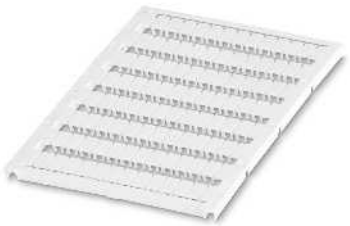
Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

UV LED technology

Plotter

96 markers for a terminal block width of 5 mm

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		96
Number of individual labels per strip		12
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 labeling terminal block brands from other companies	white	**UC3-TM 5**	**0822369**	10
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])	white	**UC3-TM 5 CUS**	**0826888**	1

Accessories

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

PRINTED FOR YOU

80 markers for a terminal block width of 6 mm

PRINTED FOR YOU

64 markers for a terminal block width of 8 mm

Technical data	
BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
80	
10	
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 6	**0822385**	10
UC3-TM 6 CUS	**0826889**	1

Accessories		
P1 UC-MAG 1	**5146079**	1

Technical data	
BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
64	
8	
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 8	**0822408**	10
UC3-TM 8 CUS	**0826890**	1

Accessories		
P1 UC-MAG 1	**5146079**	1

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

– The UCT1-TM ... UniCard labeling range includes markers for Weidmüller, Conta-Clip, and Klemsan terminal blocks
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

72 markers for a terminal block width of 5 mm

60 markers for a terminal block width of 6 mm

Technical data

General data			
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		72	60
Number of individual labels per strip		12	10
Material		PC	PC
Inflammability class according to UL 94		V0	V0
Temperature range	[°C]	-40 ... 120	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal block brands from other companies							
	white	**UCT1-TM 5**	**0829482**	10	**UCT1-TM 6**	**0829483**	10
	red	**UCT1-TM 5 RD**	**0829226**	10	**UCT1-TM 6 RD**	**0829232**	10
	orange	**UCT1-TM 5 OG**	**0829227**	10	**UCT1-TM 6 OG**	**0829233**	10
	yellow	**UCT1-TM 5 YE**	**0829228**	10	**UCT1-TM 6 YE**	**0829234**	10
	blue	**UCT1-TM 5 BU**	**0829229**	10	**UCT1-TM 6 BU**	**0829235**	10
	green	**UCT1-TM 5 GN**	**0829230**	10	**UCT1-TM 6 GN**	**0829236**	10
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])							
	white	**UCT1-TM 5 CUS**	**0829700**	1	**UCT1-TM 6 CUS**	**0829706**	1
	red	**UCT1-TM 5 RD CUS**	**0829701**	1	**UCT1-TM 6 RD CUS**	**0829707**	1
	orange	**UCT1-TM 5 OG CUS**	**0829702**	1	**UCT1-TM 6 OG CUS**	**0829708**	1
	yellow	**UCT1-TM 5 YE CUS**	**0829703**	1	**UCT1-TM 6 YE CUS**	**0829709**	1
	blue	**UCT1-TM 5 BU CUS**	**0829704**	1	**UCT1-TM 6 BU CUS**	**0829710**	1
	green	**UCT1-TM 5 GN CUS**	**0829705**	1	**UCT1-TM 6 GN CUS**	**0829711**	1

Accessories

Magazine, for THERMOMARK CARD ... for accommodating: UCT–TM ..., UCT1–TM ..., UCT5–TM ..., UCT–EM (5X10), UCT-EM (6X10)		**THERMOMARK CARD-UCT-MAG1**	**5146480**	1	**THERMOMARK CARD-UCT-MAG1**	**5146480**	1

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

– The UCT1-TMF ... UniCard marking range includes markers for Weidmüller, Wago, ABB (entrelec), Conta-Clip, and Klemsan terminal blocks
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

PRINTED FOR YOU

72 markers for a terminal block width of 5 mm

PRINTED FOR YOU

60 markers for a terminal block width of 6 mm

Technical data

General data			
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		72	60
Number of individual labels per strip		12	10
Material		PC	PC
Inflammability class according to UL 94		V0	V0
Temperature range	[°C]	-40 ... 120	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal block brands from other companies							
	white	**UCT1-TMF 5**	**0829237**	10	**UCT1-TMF 6**	**0829243**	10
	red	**UCT1-TMF 5 RD**	**0829238**	10	**UCT1-TMF 6 RD**	**0829244**	10
	orange	**UCT1-TMF 5 OG**	**0829239**	10	**UCT1-TMF 6 OG**	**0829245**	10
	yellow	**UCT1-TMF 5 YE**	**0829240**	10	**UCT1-TMF 6 YE**	**0829246**	10
	blue	**UCT1-TMF 5 BU**	**0829241**	10	**UCT1-TMF 6 BU**	**0829247**	10
	green	**UCT1-TMF 5 GN**	**0829242**	10	**UCT1-TMF 6 GN**	**0829248**	10
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])							
	white	**UCT1-TMF 5 CUS**	**0829718**	1	**UCT1-TMF 6 CUS**	**0829724**	1
	red	**UCT1-TMF 5 RD CUS**	**0829719**	1	**UCT1-TMF 6 RD CUS**	**0829725**	1
	orange	**UCT1-TMF 5 OG CUS**	**0829720**	1	**UCT1-TMF 6 OG CUS**	**0829726**	1
	yellow	**UCT1-TMF 5 YE CUS**	**0829721**	1	**UCT1-TMF 6 YE CUS**	**0829727**	1
	blue	**UCT1-TMF 5 BU CUS**	**0829722**	1	**UCT1-TMF 6 BU CUS**	**0829728**	1
	green	**UCT1-TMF 5 GN CUS**	**0829723**	1	**UCT1-TMF 6 GN CUS**	**0829729**	1

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT1–TMF…	**THERMOMARK CARD-UCT-MAG4**	**5146614**	1

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

- The UCT2-TM 5/6 UniCard markers are suitable for Wago terminal blocks
- The markers, which are supplied in uniform sheets, can be printed onto quickly, easily, and precisely using the THERMOMARK CARD and BLUEMARK CLED
- The multi-section marking strips are easy to fit and can be easily separated if required
- The markers support multiline labeling
- The sheets provide space for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

72 markers for a terminal block width of 5 to 6 mm

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		72
Number of individual labels per strip		12
Material		PC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal block brands from other companies	white	**UCT2-TM 5/6**	**0829249**	10
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])	white	**UCT2-TM 5/6 CUS**	**0829250**	1

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2–TM …	**THERMOMARK CARD-UCT-MAG5**	**5146615**	1

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

– The UCT3-TM ... UniCard labeling range includes markers for Wieland and Legrand terminal blocks
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

72 markers for a terminal block width of 5 mm

60 markers for a terminal block width of 6 mm

Technical data

General data			
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		72	60
Number of individual labels per strip		12	10
Material		PC	PC
Inflammability class according to UL 94		V0	V0
Temperature range	[°C]	-40 ... 120	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal block brands from other companies	white	**UCT3-TM 5**	**0829251**	10
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])	white	**UCT3-TM 5 CUS**	**0829955**	1

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating: UCT3–TM …	**THERMOMARK CARD-UCT-MAG6**	**5146616**	1

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		60
Number of individual labels per strip		10
Material		PC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal block brands from other companies	white	**UCT3-TM 6**	**0829252**	10
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])	white	**UCT3-TM 6 CUS**	**0829956**	1

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating: UCT3–TM …	**THERMOMARK CARD-UCT-MAG6**	**5146616**	1

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

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

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

PRINTED FOR YOU

66 markers for a terminal block width of 5 mm

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		66
Number of individual labels per strip		11
Material		PC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal block brands from other companies	white	**UCT5-TM 5**	**0828750**	10
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])	white	**UCT5-TM 5 CUS**	**0829742**	1

Accessories

Magazine, for THERMOMARK CARD ... for accommodating: UCT–TM ..., UCT1–TM ..., UCT5–TM ..., UCT–EM (5X10), UCT-EM (6X10)	**THERMOMARK CARD-UCT-MAG1**	**5146480**	1

PRINTED FOR YOU

54 markers for a terminal block width of 6 mm

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
	54
	9
	PC
	V0
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT5-TM 6	**0828752**	10
UCT5-TM 6 CUS	**0829743**	1

Accessories

THERMOMARK CARD-UCT-MAG1	**5146480**	1

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

- The UniCard UCT6M ... labeling 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
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

PRINTED FOR YOU

72 markers for a terminal block width of 5.2 mm

N

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		72
Number of individual labels per strip		12
Material		PC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal block brands from other companies	white	**UCT6M-TM 5**	**0830756**	10
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])	white	**UCT6M-TM 5 CUS**	**0830762**	1

Accessories

Magazine, for THERMOMARK CARD ... for accommodating: UCT–TM ..., UCT1–TM ..., UCT5–TM ..., UCT–EM (5X10), UCT-EM (6X10)	**THERMOMARK CARD-UCT-MAG1**	**5146480**	1

N

PRINTED FOR YOU

60 markers for a terminal block width of 6.2 mm

N

PRINTED FOR YOU

42 markers for a terminal block width of 8.2 mm

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
60
10
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 6	**0830757**	10
UCT6M-TM 6 CUS	**0830763**	1

Accessories

THERMOMARK CARD-UCT-MAG1	**5146480**	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
42
7
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 8	**0830758**	10
UCT6M-TM 8 CUS	**0830764**	1

Accessories

THERMOMARK CARD-UCT-MAG1	**5146480**	1

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

– The UniCard UCT6R-TM ... labeling 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
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

PRINTED FOR YOU

72 markers for a terminal block width of 5.2 mm

N

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		72
Number of individual labels per strip		12
Material		PC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling terminal block brands from other companies	white	**UCT6R-TM 5**	**0830753**	10
UniCard, for labeling terminal block brands from other companies, **labeled acc. to customer specifications**[1])	white	**UCT6R-TM 5 CUS**	**0830759**	1

Accessories

Magazine, for THERMOMARK CARD ... for accommodating: UCT–TM ..., UCT1–TM ..., UCT5–TM ..., UCT–EM (5X10), UCT-EM (6X10)	**THERMOMARK CARD-UCT-MAG1**	**5146480**	1

N

PRINTED FOR YOU

60 markers for a terminal block width of 6.2 mm

N

PRINTED FOR YOU

42 markers for a terminal block width of 8.2 mm

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED	
60	
10	
PC	
V0	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone, halogen and cadmium	

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT6R-TM 6	**0830754**	10
UCT6R-TM 6 CUS	**0830760**	1

Accessories

THERMOMARK CARD-UCT-MAG1	**5146480**	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED	
42	
7	
PC	
V0	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone, halogen and cadmium	

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT6R-TM 8	**0830755**	10
UCT6R-TM 8 CUS	**0830761**	1

Accessories

THERMOMARK CARD-UCT-MAG1	**5146480**	1

UniSheet marking for terminal blocks from other manufacturers

- The US2-TM 100 UniSheet markers are suitable for Wago terminal blocks
- The markers, which are supplied as uniform cards, can be 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
- Labeling service: Phoenix Contact can custom-label all UniSheet markers in accordance with your requirements

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

PRINTED FOR YOU

12 strips with a strip width of 104 mm

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD
Number of individual labels		12
Number of individual labels per strip		1
Material		PVC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-30 ... 70
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet, for labeling terminal blocks from other manufacturers with a Wago TopJob S terminal block groove, strip length of 104 mm	white	**US2-TM 100**	**0829268**	10
UniSheet, for labeling terminal blocks from other manufacturers with a Wago TopJop S terminal block groove, **labeled acc. to customer specifications,** strip length of 104 mm[1])	white	**US2-TM 100 CUS**	**0829950**	1

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials	**THERMOMARK CARD-US-MAG1**	**5146451**	1

N

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

Notes:

An overview of markable terminal blocks can be found on page 140 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU

Marker with strip height of 11 mm, continuous

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Number of individual labels		1
Number of individual labels per strip		1
Material		Polyester
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet, for marking terminal blocks from other manufacturers with a Wago TopJob S terminal block groove, strip height of 11 mm, continuous	white	**TMT2 (EX11)R**	**0802683**	1
UniSheet, for marking terminal blocks from other manufacturers with a Wago TopJob S terminal block groove, **labeled according to customer specifications,** strip height of 11 mm, continuous[1])	white	**TMT2 (EX11)R CUS**	**0830811**	1

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		■	■		■	■	■	■	■		■	■

■ 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

		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
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 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

		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
UniCard, white		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 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

		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
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	■	■	■	■	■	■	■	■	■	■	■

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	■		
TC5...	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 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..., 285...	8	▒	▒	▒	■						
290...	5	▒	■								
727...	6	▒	▒	■							
769...	5						▒	■			
775..., 776..., 777...	6	▒	▒	■							
780...	5	▒	■								
781...	6	▒	▒	■							
782..., 783..., 784..., 785...	8	▒	▒	▒	■						
869..., 870..., 880...	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 Cabur

UniCard, white	Pitch	UCT5-TM 5	UCT5-TM 6
		0828750	0828752
		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	■	

UniCard, white	Pitch	UCT5-TM 5	UCT5-TM 6
		0828750	0828752
		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	■	
Push-in connection terminal blocks			
NCS, NCV	6.2		■

■ 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

Terminal marking for Klemsan

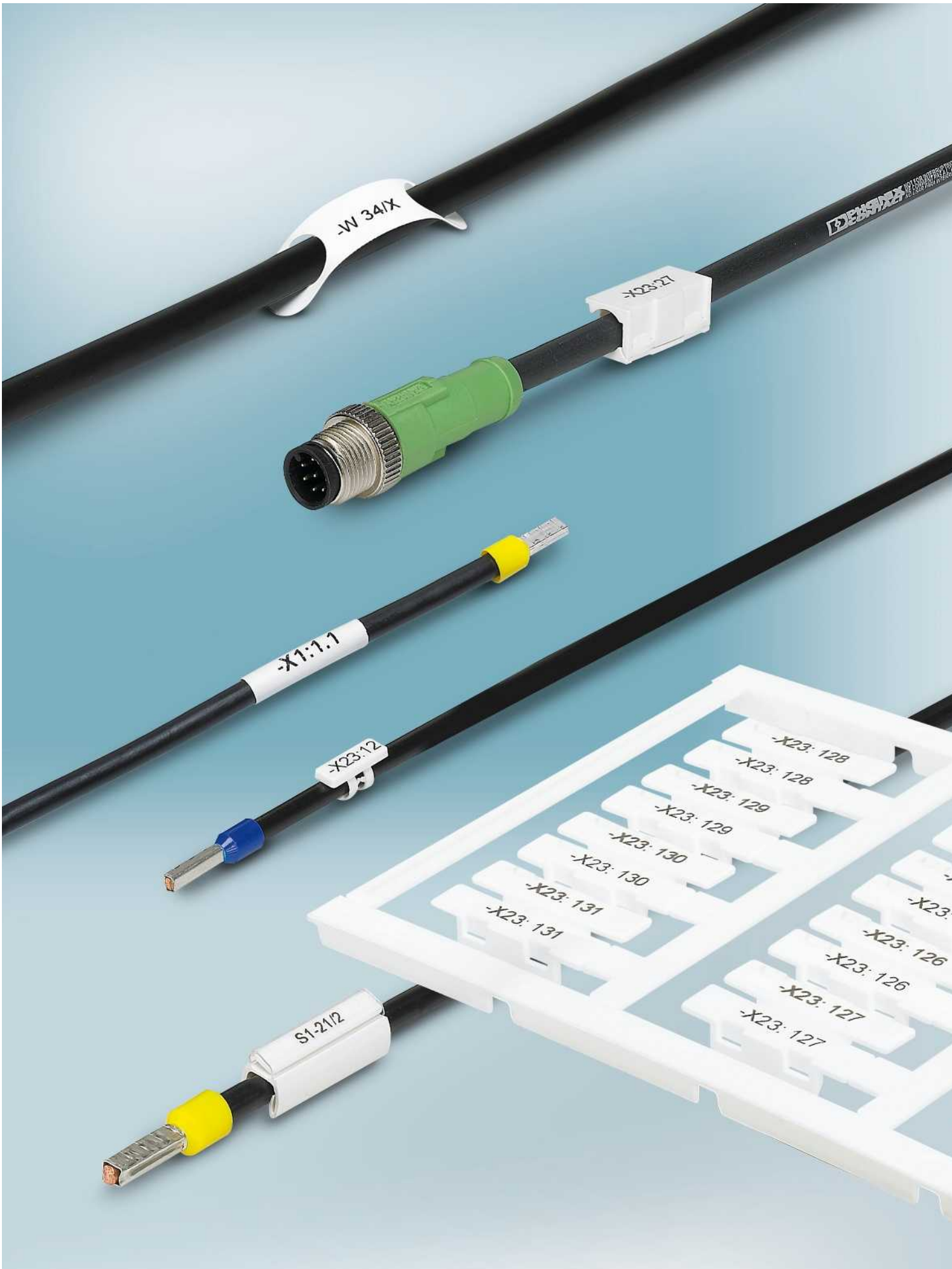
		UC1U-TM 5	UC1-TM 5	UC1-TM 6	UC1-TM 8	UCT1-TM 5	UCT1-TM 6	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6	UC1-TMF 8	UCT1-TMF 5	UCT1-TMF 6
UniCard, white		0821302	0821784	0821247	0821739	0829482	0829483	0821360	0821425	0821483	0821548	0829237	0829243
	Pitch	5	5	6	8	5	6	4	5	6	8	5	6
Screw connection terminal blocks													
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 6/10T-16/35T// 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) 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.../YBK 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	■	■	


-W 34/X
-X23:27
-X1:1.1
-X23:12
S1-21/2
-X23: 128
-X23: 128
-X23: 129
-X23: 129
-X23: 130
-X23: 130
-X23: 131
-X23: 131
-X23: 126
-X23: 126
-X23: 127
-X23: 127

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

Conductor and cable marking 154

Overview of conductor markers and cable markers 156
The right marking solution for every diameter

WMTB AL… aluminum conductor and cable marking 161

UniCard UC-WM... and UCT-WM... conductor and cable marking

Clip-on and slide-on markers, for insertion into marking collars, for assembly with cable binders, for threading 162

UniSheet US-WM... conductor and cable marking

Markers for insertion into marking collars, for assembly with cable binders, adhesive markers for wrapping around 188

WM... conductor and cable marking supplied in rolls

Adhesive markers for wrapping around or as flags 193

WMS… shrink sleeves supplied in rolls 200

EMT and WMT... conductor and cable marking supplied in rolls

Markers for insertion into marking collars, for threading, for assembly with cable binders 208

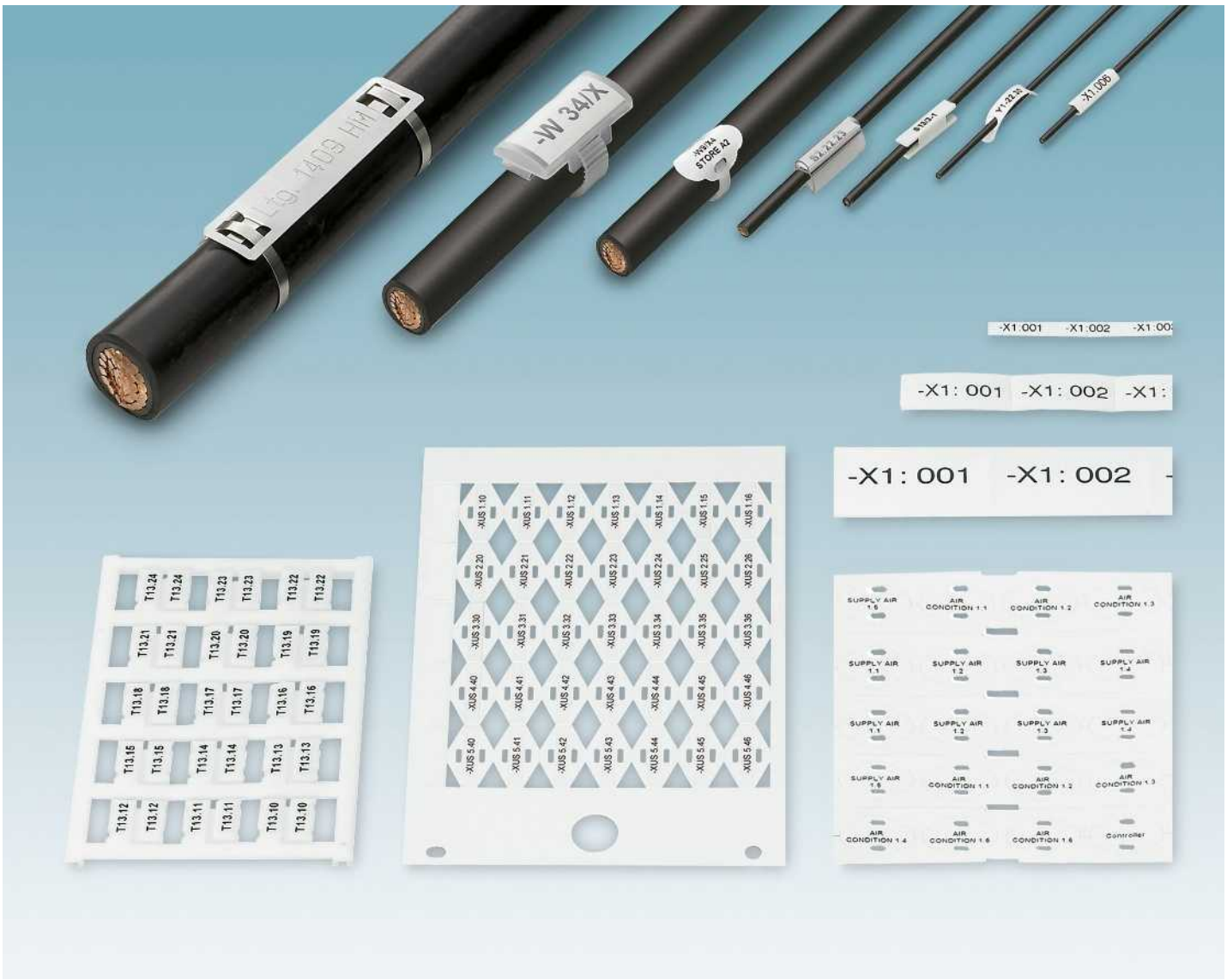
KMK… cable markers for assembly with cable binders 214

Cable markers for carrier assembly

Markers made of plastic and stainless steel 221

PATG… and PATO… marking collars 224

Ordering example for labeling service - printed for you 359



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, whether they intend to thread, slide, clip or stick the markers on or attach them with cable binders.

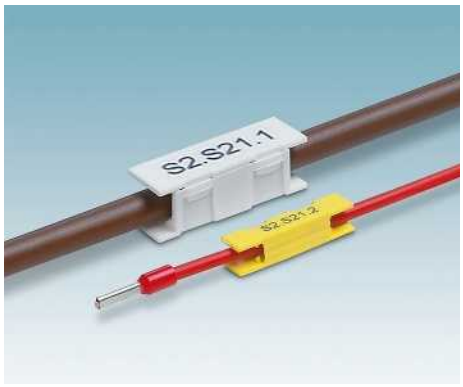
Depending on the material, the following printers can be used for the individual labeling of conductor and cable markers:

– BLUEMARK CLED, high-speed printer with UV technology for labeling UniCard formats
– THERMOMARK CARD, thermal transfer printer for labeling UniCard and UniSheet formats
– THERMOMARK ROLL, thermal transfer printer for labeling material off the roll and continuous media
– THERMOMARK ROLL X1, thermal transfer printer for large quantities
– THERMOMARK W2, thermal transfer printer for double-sided labeling and perforation of continuous shrink sleeves
– CMS–P1–PLOTTER
– Commercially available desktop laser printers

The CLIP PROJECT software is available for easy and efficient production of markings. It generates the marking data directly from the circuit diagram and automatically sends the data to the relevant printers for further processing.

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

Conductor and cable marking can be optimally labeled with aluminum markers. The markers are quickly and easily printed with an optimum printing quality using the BLUEMARK CLED. They are easily attached using cable binders.



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

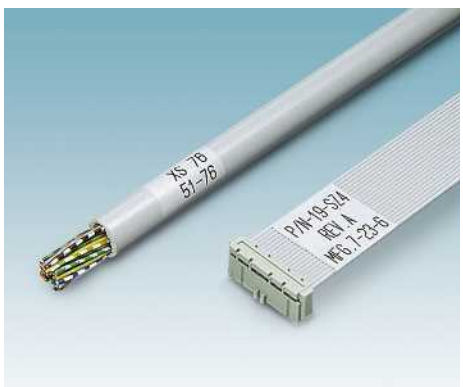
Individual printed markers are threaded onto conductors or attached by means of cable binders. Various materials can be supplied as cards or on rolls.

The ferrules feature an insulating collar that supports labeling and are labeled 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 labeling.

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.



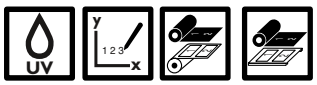
Cable marker labels consist of a labeling field and a transparent foil that protects the labeling against abrasion and dirt. The labels are available in various shapes and sizes.

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

Overview of conductor and cable marking

Markers for marking with BLUEMARK..., THERMOMARK... or plotters

Conductor diameter [mm]	Aluminum labels				Conductor clips										Ferrules (dimensions in mm²)				
	Page 161				Page 162										Page 175				
	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...	AI-WM 0,5-8 WH	AI-WM 0,75-8 GY	AI-WM 1-8 RD	AI-WM 1,5-8 WH	AI-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	1.6								
2.5						1.9					2.1	2.1							
3.0				>2.4								2.9							
3.5	> 2.9					3.1	2.8						2.9						
4.0													3.6	3.6					
4.5							4.4	4.2											
5.0		> 4.6	> 4.6											4.9					
5.5								5.6	5.0										
6.0																			
7.0																			
8.0									7.5										
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															



Conductor markers

for assembly with cable binders

Page 179

for threading on

Page 186

Marking collars
in conjunction with **UC-WMT ... / EMT ..../ US-WMT .../ WMTW ... / UCT-WMT...**

Page 224

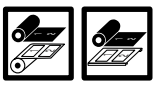
Overview of conductor and cable marking

Markers for marking with THERMOMARK... or laser printers

Conductor diameter [mm]	Cable markers for threading on			Cable marker labels									
	Page 190			Page 194									
	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				7.0		
8.0													
9.0													
10.0													
12.0								12.0				11.0	11.0
14.0	> 13.0	> 13.0							14.0				
16.0													
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										

Shrink sleeve

Page 200

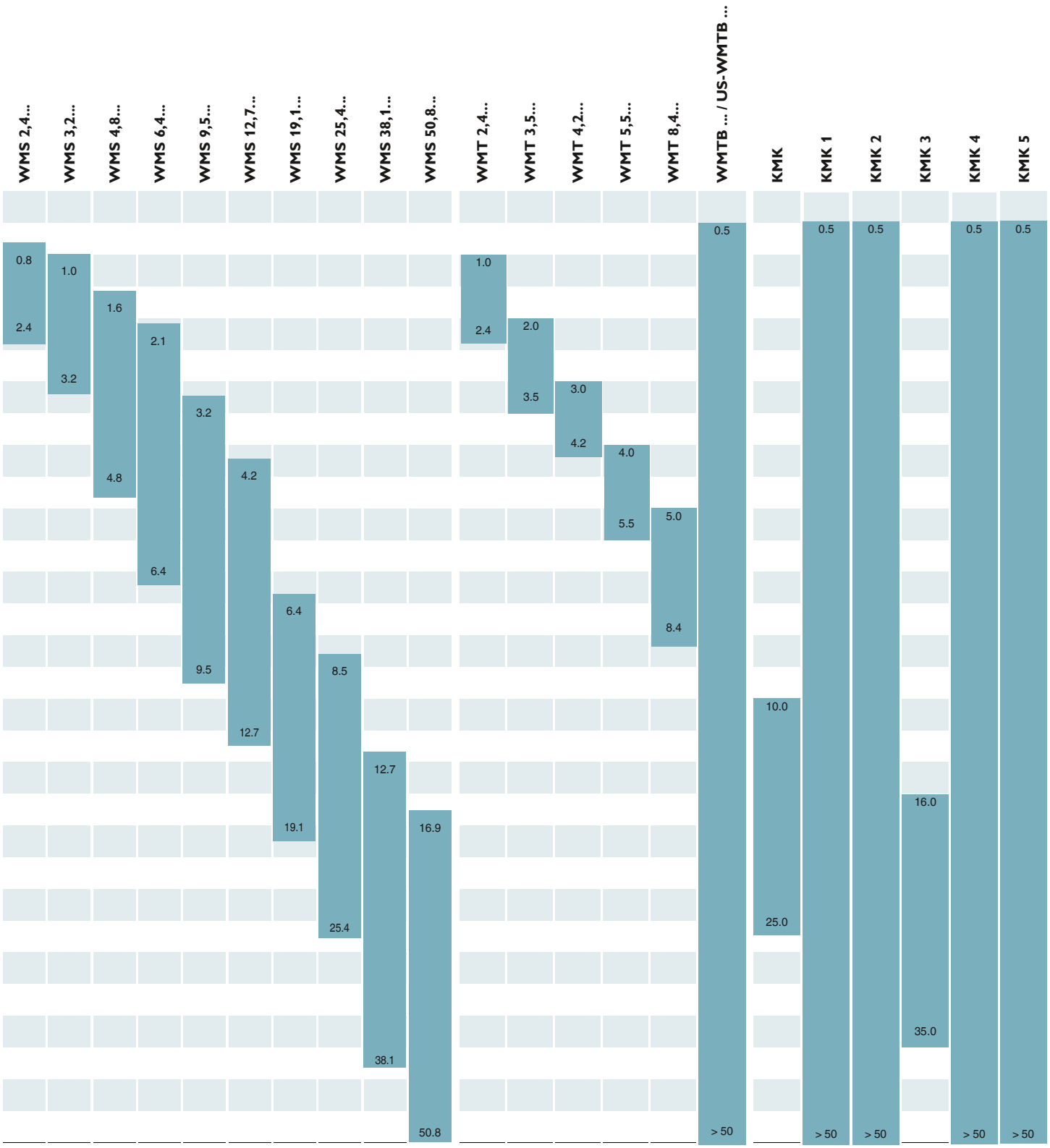


Conductor markers for threading on/ for cable binder fixing

Page 210

Plastic cable markers
in conjunction with **US-EMP .../ ESL .../ EMT ...**

Page 214



Aluminum cable marking for assembly with cable binders

UV LED technology

The aluminum WMTB-AL… product range 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

– The circular WMTB-AL (D30) markers can be used for the most diverse applications
– Labeling service: Phoenix Contact can custom-label all markers according to your requirements

– The markers can be labeled 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

General data	
Can be printed with:	
Material	
Wipe resistance	
Components	

Description	Color
Aluminum label for assembly with cable binders, unmarked	
Lettering field size: 29 x 8 mm, > 2.9 mm	aluminum
Lettering field size: 40 x 15 mm, > 4.6 mm	aluminum
Lettering field size: 60 x 15 mm, > 4.6 mm	aluminum
Aluminum label for assembly with cable binders, labeled according to customer specifications[1])	
Lettering field size: 29 x 8 mm	aluminum
Lettering field size: 40 x 15 mm	aluminum
Lettering field size: 60 x 15 mm	aluminum
Aluminum label, round, for assembly with cable binders	
Diameter: 30 mm	aluminum
Aluminum label, round, for assembly with cable binders, labeled according to customer specifications[1])	
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 aluminum labels	
for WMTB-AL (D30)	

Notes:

For corresponding stainless steel cable binders, see page 580.

[1]) For ordering example, see page 359.

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
WMTB-AL (29X8) CUS	**0830807**	1
WMTB-AL (40X15) CUS	**0830526**	1
WMTB-AL (60X15) CUS	**0830527**	1

Accessories

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

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
WMTB-AL (D30) CUS	**0830806**	1

Accessories

BLUEMARK MAG WM-M (D30)	**0802747**	1

Clip-on UniCard conductor marking

- The UC-WMC ... UniCard labeling range includes markers for captive labeling of control cables right through to light plastic-sheathed cables with large diameters
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- 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 labeling areas that are clearly legible at all times
- The markers support multiline labeling
- The sheets provide space for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

For more variants, see www.phoenixcontact.net/products.

[1]) For ordering example, see page 359.

Can be printed with:

UV LED technology

Plotter

PRINTED FOR YOU

20 markers for conductor diameters from 1.2 to 1.9 mm, lettering field size: 15 x 4 mm

Technical data

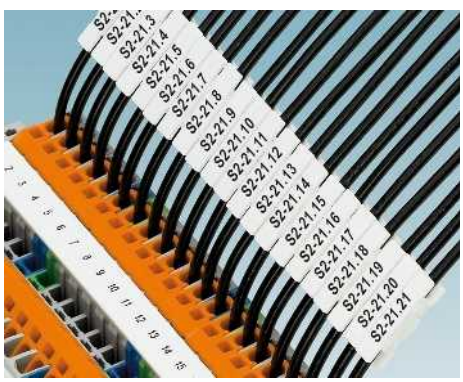
General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		20
Number of individual labels per strip		4
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen
Conductor diameter range	[mm]	1.2 ... 1.9
Conductor cross section range	[mm²]	0.25 ... 0.34
Conductor cross section range	AWG	24 ... 22

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for subsequent labeling of conductors				
	white	**UC-WMC 1,9 (15X4)**	**0828004**	10
	red	**UC-WMC 1,9 (15X4) RD**	**0828006**	10
	orange	**UC-WMC 1,9 (15X4) OG**	**0828007**	10
	yellow	**UC-WMC 1,9 (15X4) YE**	**0828008**	10
	violet	**UC-WMC 1,9 (15X4) VT**	**0828009**	10
	blue	**UC-WMC 1,9 (15X4) BU**	**0828010**	10
UniCard, for subsequent labeling of conductors, **labeled acc. to customer specifications**[1])				
	white	**UC-WMC 1,9 (15X4) CUS**	**0828012**	1
	red	**UC-WMC 1,9 (15X4) RD CUS**	**0828013**	1
	orange	**UC-WMC 1,9 (15X4) OG CUS**	**0828014**	1
	yellow	**UC-WMC 1,9 (15X4) YE CUS**	**0828015**	1
	violet	**UC-WMC 1,9 (15X4) VT CUS**	**0828016**	1
	blue	**UC-WMC 1,9 (15X4) BU CUS**	**0828017**	1

Accessories

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



PRINTED FOR YOU

12 markers for conductor diameters from 1.2 to 1.9 mm, 30 x 4 mm marking field

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
12
4
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 (30X4)	**0830283**	10
UC-WMC 1,9 (30X4) CUS	**0830284**	1

Accessories

P1 UC-MAG 1	**5146079**	1

Clip-on UniCard conductor marking

- The UC-WMC ... UniCard labeling range includes markers for captive labeling of control cables right through to light plastic-sheathed cables with large diameters
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- 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 labeling areas that are clearly legible at all times
- The markers support multiline labeling
- The sheets provide space for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

For more variants, see www.phoenixcontact.net/products.

Can be printed with:

UV

UV LED technology

y 1 2 3 x

Plotter

PRINTED FOR YOU

20 markers for conductor diameters from 1.9 to 3.1 mm, lettering field size: 15 x 4 mm

Technical data

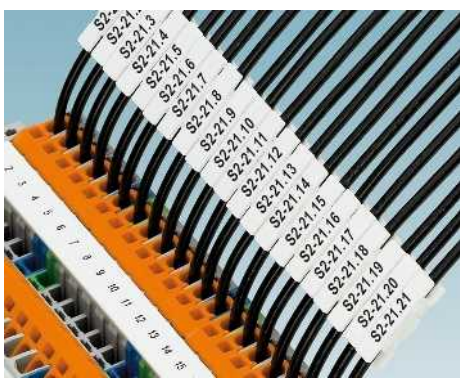
General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		20
Number of individual labels per strip		4
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		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 labeling of conductors				
	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 labeling of conductors, **labeled acc. to customer specifications**				
	white	**UC-WMC 3,1 (15X 4) CUS**	**0824692**	1
	red	**UC-WMC 3,1 (15X 4) RD CUS**	**0824696**	1
	orange	**UC-WMC 3,1 (15X 4) OG CUS**	**0824695**	1
	yellow	**UC-WMC 3,1 (15X 4) YE CUS**	**0824697**	1
	violet	**UC-WMC 3,1 (15X4) VT CUS**	**0826773**	1
	blue	**UC-WMC 3,1 (15X 4) BU CUS**	**0824693**	1

Accessories

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



PRINTED FOR YOU

12 markers for conductor diameters from 1.9 to 3.1 mm, lettering field size: 23 x 4 mm

PRINTED FOR YOU

12 markers for conductor diameters from 1.9 to 3.1 mm, lettering field size: 30 x 4 mm

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
12	12
4	4
PA	PA
V2	V2
-40 ... 120	-40 ... 120
DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen	free from silicone and halogen
1.9 ... 3.1	1.9 ... 3.1
0.5 ... 1.5	0.5 ... 1.5
20 ... 16	20 ... 16

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMC 3,1 (23X4)	**0818218**	10
UC-WMC 3,1 (23X4) RD	**0818807**	10
UC-WMC 3,1 (23X4) OG	**0818771**	10
UC-WMC 3,1 (23X4) YE	**0818784**	10
UC-WMC 3,1 (23X4) VT	**0825371**	10
UC-WMC 3,1 (23X4) BU	**0818797**	10
UC-WMC 3,1 (23X 4) CUS	**0824704**	1
UC-WMC 3,1 (23X 4) RD CUS	**0824708**	1
UC-WMC 3,1 (23X 4) OG CUS	**0824707**	1
UC-WMC 3,1 (23X 4) YE CUS	**0824709**	1
UC-WMC 3,1 (23X4) VT CUS	**0826775**	1
UC-WMC 3,1 (23X 4) BU CUS	**0824705**	1

Accessories

P1 UC-MAG 1	**5146079**	1

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
12
4
PA
V2
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen
1.9 ... 3.1
0.5 ... 1.5
20 ... 16

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMC 3,1 (30X4)	**0819631**	10
UC-WMC 3,1 (30X4) RD	**0820769**	10
UC-WMC 3,1 (30X4) OG	**0823863**	10
UC-WMC 3,1 (30X4) YE	**0819644**	10
UC-WMC 3,1 (30X4) VT	**0825372**	10
UC-WMC 3,1 (30X4) BU	**0820756**	10
UC-WMC 3,1 (30X4) CUS	**0824716**	1
UC-WMC 3,1 (30X4) RD CUS	**0824723**	1
UC-WMC 3,1 (30X4) OG CUS	**0824722**	1
UC-WMC 3,1 (30X4) YE CUS	**0824717**	1
UC-WMC 3,1 (30X4) VT CUS	**0826777**	1
UC-WMC 3,1 (30X4) BU CUS	**0824720**	1

Accessories

P1 UC-MAG 1	**5146079**	1

Clip-on UniCard conductor marking

Can be printed with:

UV LED technology

Plotter

PRINTED FOR YOU

15 markers for conductor diameters from 2.8 to 4.4 mm, lettering field size: 15 x 5.5 mm

- The UC-WMC ... UniCard labeling range includes markers for captive labeling of control cables right through to light plastic-sheathed cables with large diameters
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- 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 labeling areas that are clearly legible at all times
- The markers support multiline labeling
- The sheets provide space for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		15
Number of individual labels per strip		3
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]	2.8 ... 4.4
Conductor cross section range	[mm²]	1.5 ... 4
Conductor cross section range	AWG	16 ... 12

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for subsequent labeling of conductors				
	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 labeling of conductors, **labeled acc. to customer specifications**[1])				
	white	**UC-WMC 4,4 (15X 5,5) CUS**	**0824728**	1
	red	**UC-WMC 4,4 (15X 5,5) RD CUS**	**0824732**	1
	orange	**UC-WMC 4,4 (15X 5,5) OG CUS**	**0824731**	1
	yellow	**UC-WMC 4,4 (15X 5,5) YE CUS**	**0824733**	1
	violet	**UC-WMC 4,4 (15X5,5) VT CUS**	**0826779**	1
	blue	**UC-WMC 4,4 (15X 5,5) BU CUS**	**0824729**	1
	green	**UC-WMC 4,4 (15X 5,5) GN CUS**	**0824730**	1

Accessories

Magazine, for CMS-P1-PLOTTER			
	P1 UC-MAG 2	**5146082**	1

PRINTED FOR YOU

9 markers for conductor diameters from 2.8 to 4.4 mm, lettering field size: 23 x 5.5 mm

PRINTED FOR YOU

9 markers for conductor diameters from 2.8 to 4.4 mm, lettering field size: 30 x 5.5 mm

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	9
	3
	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

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	9
	3
	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

Type	Order No.	Pcs. / Pkt.
UC-WMC 4,4 (23X5,5)	**0818195**	10
UC-WMC 4,4 (23X5,5) RD	**0818904**	10
UC-WMC 4,4 (23X5,5) OG	**0818878**	10
UC-WMC 4,4 (23X5,5) YE	**0818881**	10
UC-WMC 4,4 (23X5,5) VT	**0825374**	10
UC-WMC 4,4 (23X5,5) BU	**0818894**	10
UC-WMC 4,4 (23X5,5) GN	**0818917**	10
UC-WMC 4,4 (23X 5,5) CUS	**0824740**	1
UC-WMC 4,4 (23X 5,5) RD CUS	**0824744**	1
UC-WMC 4,4 (23X 5,5) OG CUS	**0824743**	1
UC-WMC 4,4 (23X 5,5) YE CUS	**0824745**	1
UC-WMC 4,4 (23X5,5) VT CUS	**0826781**	1
UC-WMC 4,4 (23X 5,5) BU CUS	**0824741**	1
UC-WMC 4,4 (23X 5,5) GN CUS	**0824742**	1

Accessories

P1 UC-MAG 2	**5146082**	1

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMC 4,4 (30X5,5)	**0819657**	10
UC-WMC 4,4 (30X5,5) RD	**0820882**	10
UC-WMC 4,4 (30X5,5) OG	**0823944**	10
UC-WMC 4,4 (30X5,5) YE	**0819660**	10
UC-WMC 4,4 (30X5,5) VT	**0825375**	10
UC-WMC 4,4 (30X5,5) BU	**0820879**	10
UC-WMC 4,4 (30X5,5) GN	**0823957**	10
UC-WMC 4,4 (30X 5,5) CUS	**0824752**	1
UC-WMC 4,4 (30X5,5) RD CUS	**0824759**	1
UC-WMC 4,4 (30X5,5) OG CUS	**0824758**	1
UC-WMC 4,4 (30X 5,5) YE CUS	**0824753**	1
UC-WMC 4,4 (30X5,5) VT CUS	**0826783**	1
UC-WMC 4,4 (30X5,5) BU CUS	**0824756**	1
UC-WMC 4,4 (30X5,5) GN CUS	**0824757**	1

Accessories

P1 UC-MAG 2	**5146082**	1

Clip-on UniCard conductor marking

Can be printed with:

UV LED technology

Plotter

PRINTED FOR YOU

6 markers for conductor diameters from 4.2 to 5.6 mm, lettering field size: 23 x 8 mm

- The UC-WMC ... UniCard labeling range includes markers for captive labeling of control cables right through to light plastic-sheathed cables with large diameters
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- 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 labeling areas that are clearly legible at all times
- The markers support multiline labeling
- The sheets provide space for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		6
Number of individual labels per strip		2
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]	4.2 ... 5.6
Conductor cross section range	[mm²]	4 ... 10
Conductor cross section range	AWG	12 ... 10

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for subsequent labeling of conductors				
	white	**UC-WMC 5,6 (23X8)**	**0825382**	5
	red	**UC-WMC 5,6 (23X8) RD**	**0825387**	5
	orange	**UC-WMC 5,6 (23X8) OG**	**0825385**	5
	yellow	**UC-WMC 5,6 (23X8) YE**	**0825386**	5
	violet	**UC-WMC 5,6 (23X8) VT**	**0825388**	5
	blue	**UC-WMC 5,6 (23X8) BU**	**0825383**	5
	green	**UC-WMC 5,6 (23X8) GN**	**0825384**	5
UniCard, for subsequent labeling of conductors, **labeled acc. to customer specifications**[1])				
	white	**UC-WMC 5,6 (23X8) CUS**	**0827005**	1
	red	**UC-WMC 5,6 (23X8) RD CUS**	**0827009**	1
	orange	**UC-WMC 5,6 (23X8) OG CUS**	**0827008**	1
	yellow	**UC-WMC 5,6 (23X8) YE CUS**	**0827011**	1
	violet	**UC-WMC 5,6 (23X8) VT CUS**	**0827010**	1
	blue	**UC-WMC 5,6 (23X8) BU CUS**	**0827006**	1
	green	**UC-WMC 5,6 (23X8) GN CUS**	**0827007**	1

Accessories

Magazine, for CMS-P1-PLOTTER		
P1 UC-MAG 3	**5146095**	1

PRINTED FOR YOU

6 markers for conductor diameters from 4.2 to 5.6 mm, lettering field size: 30 x 8 mm

PRINTED FOR YOU

6 markers for conductor diameters from 5 to 7.5 mm, lettering field size: 23 x 8 mm

PRINTED FOR YOU

6 markers for conductor diameters from 5 to 7.5 mm, lettering field size: 30 x 8 mm

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	6
	2
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen
	4.2 ... 5.6
	4 ... 10
	12 ... 10

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMC 5,6 (30X8)	**0825396**	5
UC-WMC 5,6 (30X8) RD	**0825401**	5
UC-WMC 5,6 (30X8) OG	**0825399**	5
UC-WMC 5,6 (30X8) YE	**0825400**	5
UC-WMC 5,6 (30X8) VT	**0825402**	5
UC-WMC 5,6 (30X8) BU	**0825397**	5
UC-WMC 5,6 (30X8) GN	**0825398**	5
UC-WMC 5,6 (30X8) CUS	**0827012**	1
UC-WMC 5,6 (30X8) RD CUS	**0827016**	1
UC-WMC 5,6 (30X8) OG CUS	**0827015**	1
UC-WMC 5,6 (30X8) YE CUS	**0827018**	1
UC-WMC 5,6 (30X8) VT CUS	**0827017**	1
UC-WMC 5,6 (30X8) BU CUS	**0827013**	1
UC-WMC 5,6 (30X8) GN CUS	**0827014**	1

Accessories

P1 UC-MAG 3	**5146095**	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	6
	2
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen
	5 ... 7.5
	6 ... 16
	10 ... 6

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMC 7,5 (23X8)	**0818179**	5
UC-WMC 7,5 (23X8) RD	**0819039**	5
UC-WMC 7,5 (23X8) OG	**0818920**	5
UC-WMC 7,5 (23X8) YE	**0818933**	5
UC-WMC 7,5 (23X8) VT	**0825376**	5
UC-WMC 7,5 (23X8) BU	**0818946**	5
UC-WMC 7,5 (23X8) GN	**0818959**	5
UC-WMC 7,5 (23X8) CUS	**0824767**	1
UC-WMC 7,5 (23X 8) RD CUS	**0824764**	1
UC-WMC 7,5 (23X8) OG CUS	**0824770**	1
UC-WMC 7,5 (23X8) YE CUS	**0824771**	1
UC-WMC 7,5 (23X8) VT CUS	**0826785**	1
UC-WMC 7,5 (23X8) BU CUS	**0824768**	1
UC-WMC 7,5 (23X8) GN CUS	**0824769**	1

Accessories

P1 UC-MAG 3	**5146095**	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	6
	2
	PA
	V2
	-40 ... 120
	DIN EN 61010-1 (VDE 0411-1)
	free from silicone and halogen
	5 ... 7.5
	6 ... 16
	10 ... 6

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMC 7,5 (30X8)	**0819673**	5
UC-WMC 7,5 (30X8) RD	**0820963**	5
UC-WMC 7,5 (30X8) OG	**0823724**	5
UC-WMC 7,5 (30X8) YE	**0819686**	5
UC-WMC 7,5 (30X8) VT	**0825377**	5
UC-WMC 7,5 (30X8) BU	**0820950**	5
UC-WMC 7,5 (30X8) GN	**0823708**	5
UC-WMC 7,5 (30X 8) CUS	**0824776**	1
UC-WMC 7,5 (30X8) RD CUS	**0824783**	1
UC-WMC 7,5 (30X8) OG CUS	**0824782**	1
UC-WMC 7,5 (30X 8) YE CUS	**0824777**	1
UC-WMC 7,5 (30X8) VT CUS	**0826787**	1
UC-WMC 7,5 (30X8) BU CUS	**0824780**	1
UC-WMC 7,5 (30X8) GN CUS	**0824781**	1

Accessories

P1 UC-MAG 3	**5146095**	1

UniCard slide-on conductor marking

Can be printed with:

UV LED technology

Plotter

40 markers for conductor diameters from 1.3 to 1.6 mm, lettering field size: 12 x 3 mm

- The UC-WMCO ... UniCard labeling range includes slide-on markers for the subsequent labeling of conductors. They can be slid on easily using the UC-WMCO ... TOOL
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- The format automatically ensures printing with a high level of positional accuracy
- Large-surface labeling in a space-saving design
- Secure tight fit even in the event of vibrations
- The sheets provide space for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		40
Number of individual labels per strip		10
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Components		free from silicone and halogen
Conductor diameter range	[mm]	1.3 ... 1.6
Conductor cross section range	[mm²]	0.25 ... 0.5

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for subsequent labeling of conductors				
	white	**UC-WMCO 1,6 (12X3)**	**0827092**	10
	red	**UC-WMCO 1,6 (12X3) RD**	**0827516**	10
	orange	**UC-WMCO 1,6 (12X3) OG**	**0827517**	10
	yellow	**UC-WMCO 1,6 (12X3) YE**	**0827513**	10
	violet	**UC-WMCO 1,6 (12X3) VT**	**0827518**	10
	blue	**UC-WMCO 1,6 (12X3) BU**	**0827514**	10
	green	**UC-WMCO 1,6 (12X3) GN**	**0827515**	10
UniCard, for subsequent labeling of conductors, **labeled acc. to customer specifications**[1])				
	white	**UC-WMCO 1,6 (12X3) CUS**	**0829032**	1
	red	**UC-WMCO 1,6 (12X3) RD CUS**	**0829036**	1
	orange	**UC-WMCO 1,6 (12X3) OG CUS**	**0829037**	1
	yellow	**UC-WMCO 1,6 (12X3) YE CUS**	**0829033**	1
	violet	**UC-WMCO 1,6 (12X3) VT CUS**	**0829038**	1
	blue	**UC-WMCO 1,6 (12X3) BU CUS**	**0829034**	1
	green	**UC-WMCO 1,6 (12X3) GN CUS**	**0829035**	1

Accessories

Magazine, for CMS-P1-PLOTTER		
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
Assembly tool set, for easily sliding on UC–WMCO 1,6 ... and UC–WMCO 4,9 ... conductor markers		
UC-WMCO TOOL SET	**0827807**	1

PRINTED FOR YOU

40 markers for conductor diameters from 1.3 to 1.6 mm, lettering field size: 21 x 3 mm

PRINTED FOR YOU

40 markers for conductor diameters from 1.6 to 2.1 mm, lettering field size: 12 x 3 mm

PRINTED FOR YOU

40 markers for conductor diameters from 1.6 to 2.1 mm, lettering field size: 21 x 3 mm

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
40	
10	
PA	
V2	
-40 ... 120	
free from silicone and halogen	
1.3 ... 1.6	
0.25 ... 0.5	

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMCO 1,6 (21X3)	**0827106**	10
UC-WMCO 1,6 (21X3) RD	**0827528**	10
UC-WMCO 1,6 (21X3) OG	**0827529**	10
UC-WMCO 1,6 (21X3) YE	**0827525**	10
UC-WMCO 1,6 (21X3) VT	**0827530**	10
UC-WMCO 1,6 (21X3) BU	**0827526**	10
UC-WMCO 1,6 (21X3) GN	**0827527**	10
UC-WMCO 1,6 (21X3) CUS	**0829039**	1
UC-WMCO 1,6 (21X3) RD CUS	**0829043**	1
UC-WMCO 1,6 (21X3) OG CUS	**0829044**	1
UC-WMCO 1,6 (21X3) YE CUS	**0829040**	1
UC-WMCO 1,6 (21X3) VT CUS	**0829045**	1
UC-WMCO 1,6 (21X3) BU CUS	**0829041**	1
UC-WMCO 1,6 (21X3) GN CUS	**0829042**	1

Accessories

P1 UC-MAG 7	**5146568**	1
UC-WMCO 2,1 TOOL	**0827803**	10
UC-WMCO TOOL SET	**0827807**	1

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
40	
10	
PA	
V2	
-40 ... 120	
free from silicone and halogen	
1.6 ... 2.1	
0.5 ... 0.75	

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMCO 2,1 (12X3)	**0827120**	10
UC-WMCO 2,1 (12X3) RD	**0827540**	10
UC-WMCO 2,1 (12X3) OG	**0827541**	10
UC-WMCO 2,1 (12X3) YE	**0827537**	10
UC-WMCO 2,1 (12X3) VT	**0827542**	10
UC-WMCO 2,1 (12X3) BU	**0827538**	10
UC-WMCO 2,1 (12X3) GN	**0827539**	10
UC-WMCO 2,1 (12X3) CUS	**0829046**	1
UC-WMCO 2,1 (12X3) RD CUS	**0829050**	1
UC-WMCO 2,1 (12X3) OG CUS	**0829051**	1
UC-WMCO 2,1 (12X3) YE CUS	**0829047**	1
UC-WMCO 2,1 (12X3) VT CUS	**0829052**	1
UC-WMCO 2,1 (12X3) BU CUS	**0829048**	1
UC-WMCO 2,1 (12X3) GN CUS	**0829049**	1

Accessories

P1 UC-MAG 7	**5146568**	1
UC-WMCO 2,1 TOOL	**0827803**	10
UC-WMCO TOOL SET	**0827807**	1

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
40	
10	
PA	
V2	
-40 ... 120	
free from silicone and halogen	
1.6 ... 2.1	
0.5 ... 0.75	

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMCO 2,1 (21X3)	**0827134**	10
UC-WMCO 2,1 (21X3) RD	**0827552**	10
UC-WMCO 2,1 (21X3) OG	**0827553**	10
UC-WMCO 2,1 (21X3) YE	**0827549**	10
UC-WMCO 2,1 (21X3) VT	**0827554**	10
UC-WMCO 2,1 (21X3) BU	**0807550**	10
UC-WMCO 2,1 (21X3) GN	**0827551**	10
UC-WMCO 2,1 (21X3) CUS	**0829053**	1
UC-WMCO 2,1 (21X3) RD CUS	**0829057**	1
UC-WMCO 2,1 (21X3) OG CUS	**0829058**	1
UC-WMCO 2,1 (21X3) YE CUS	**0829054**	1
UC-WMCO 2,1 (21X3) VT CUS	**0829059**	1
UC-WMCO 2,1 (21X3) BU CUS	**0829055**	1
UC-WMCO 2,1 (21X3) GN CUS	**0829056**	1

Accessories

P1 UC-MAG 7	**5146568**	1
UC-WMCO 2,1 TOOL	**0827803**	10
UC-WMCO TOOL SET	**0827807**	1

UniCard slide-on conductor marking

Can be printed with:

UV LED technology

Plotter

40 markers for conductor diameters from 2.1 to 2.9 mm, lettering field size: 12 x 3.5 mm

- The UC-WMCO ... UniCard labeling range includes slide-on markers for the subsequent labeling of conductors. They can be slid on easily using the UC-WMCO ... TOOL
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- The format automatically ensures printing with a high level of positional accuracy
- Large-surface labeling in a space-saving design
- Secure tight fit even in the event of vibrations
- The sheets provide space for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		40
Number of individual labels per strip		10
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Components		free from silicone and halogen
Conductor diameter range	[mm]	2.1 ... 2.9
Conductor cross section range	[mm²]	0.75 ... 1.5

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for subsequent labeling of conductors				
	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 labeling of conductors, **labeled acc. to customer specifications**[1])				
	white	**UC-WMCO 2,9 (12X3,5) CUS**	**0829060**	1
	red	**UC-WMCO 2,9 (12X3,5) RD CUS**	**0829064**	1
	orange	**UC-WMCO 2,9 (12X3,5) OG CUS**	**0829065**	1
	yellow	**UC-WMCO 2,9 (12X3,5) YE CUS**	**0829061**	1
	violet	**UC-WMCO 2,9 (12X3,5) VT CUS**	**0829066**	1
	blue	**UC-WMCO 2,9 (12X3,5) BU CUS**	**0829062**	1
	green	**UC-WMCO 2,9 (12X3,5) GN CUS**	**0829063**	1

Accessories

Magazine, for CMS-P1-PLOTTER	**P1 UC-MAG 7**	**5146568**	1
Assembly tool, for easily sliding on UC–WMCO 2,9 ... and UC–WMCO 3,6 ... conductor markers	**UC-WMCO 3,6 TOOL**	**0827804**	10
Assembly tool set, for easily sliding on UC–WMCO 1,6 ... and UC–WMCO 4,9 ... conductor markers	**UC-WMCO TOOL SET**	**0827807**	1

PRINTED FOR YOU

40 markers for conductor diameters from 2.1 to 2.9 mm, lettering field size: 21 x 3.5 mm

PRINTED FOR YOU

32 markers for conductor diameters from 2.9 to 3.6 mm, lettering field size: 12 x 4.5 mm

PRINTED FOR YOU

32 markers for conductor diameters from 2.9 to 3.6 mm, lettering field size: 21 x 4.5 mm

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
40	
10	
PA	
V2	
-40 ... 120	
free from silicone and halogen	
2.1 ... 2.9	
0.75 ... 1.5	

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMCO 2,9 (21X3,5)	**0827162**	10
UC-WMCO 2,9 (21X3,5) RD	**0827576**	10
UC-WMCO 2,9 (21X3,5) OG	**0827577**	10
UC-WMCO 2,9 (21X3,5) YE	**0827573**	10
UC-WMCO 2,9 (21X3,5) VT	**0827578**	10
UC-WMCO 2,9 (21X3,5) BU	**0827574**	10
UC-WMCO 2,9 (21X3,5) GN	**0827575**	10
UC-WMCO 2,9 (21X3,5) CUS	**0829067**	1
UC-WMCO 2,9 (21X3,5) RD CUS	**0829071**	1
UC-WMCO 2,9 (21X3,5) OG CUS	**0829072**	1
UC-WMCO 2,9 (21X3,5) YE CUS	**0829068**	1
UC-WMCO 2,9 (21X3,5) VT CUS	**0829073**	1
UC-WMCO 2,9 (21X3,5) BU CUS	**0829069**	1
UC-WMCO 2,9 (21X3,5) GN CUS	**0829070**	1

Accessories

P1 UC-MAG 7	**5146568**	1
UC-WMCO 3,6 TOOL	**0827804**	10
UC-WMCO TOOL SET	**0827807**	1

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
32	
8	
PA	
V2	
-40 ... 120	
free from silicone and halogen	
2.9 ... 3.6	
1.5 ... 2.5	

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMCO 3,6 (12X4,5)	**0827176**	10
UC-WMCO 3,6 (12X4,5) RD	**0827588**	10
UC-WMCO 3,6 (12X4,5) OG	**0827589**	10
UC-WMCO 3,6 (12X4,5) YE	**0827585**	10
UC-WMCO 3,6 (12X4,5) VT	**0827590**	10
UC-WMCO 3,6 (12X4,5) BU	**0827586**	10
UC-WMCO 3,6 (12X4,5) GN	**0827587**	10
UC-WMCO 3,6 (12X4,5) CUS	**0829074**	1
UC-WMCO 3,6 (12X4,5) RD CUS	**0829078**	1
UC-WMCO 3,6 (12X4,5) OG CUS	**0829079**	1
UC-WMCO 3,6 (12X4,5) YE CUS	**0829075**	1
UC-WMCO 3,6 (12X4,5) VT CUS	**0829080**	1
UC-WMCO 3,6 (12X4,5) BU CUS	**0829076**	1
UC-WMCO 3,6 (12X4,5) GN CUS	**0829077**	1

Accessories

P1 UC-MAG 7	**5146568**	1
UC-WMCO 3,6 TOOL	**0827804**	10
UC-WMCO TOOL SET	**0827807**	1

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
32	
8	
PA	
V2	
-40 ... 120	
free from silicone and halogen	
2.9 ... 3.6	
1.5 ... 2.5	

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMCO 3,6 (21X4,5)	**0827190**	10
UC-WMCO 3,6 (21X4,5) RD	**0827600**	10
UC-WMCO 3,6 (21X4,5) OG	**0827601**	10
UC-WMCO 3,6 (21X4,5) YE	**0827597**	10
UC-WMCO 3,6 (21X4,5) VT	**0827602**	10
UC-WMCO 3,6 (21X4,5) BU	**0827598**	10
UC-WMCO 3,6 (21X4,5) GN	**0827599**	10
UC-WMCO 3,6 (21X4,5) CUS	**0829081**	1
UC-WMCO 3,6 (21X4,5) RD CUS	**0829085**	1
UC-WMCO 3,6 (21X4,5) OG CUS	**0829086**	1
UC-WMCO 3,6 (21X4,5) YE CUS	**0829082**	1
UC-WMCO 3,6 (21X4,5) VT CUS	**0829087**	1
UC-WMCO 3,6 (21X4,5) BU CUS	**0829083**	1
UC-WMCO 3,6 (21X4,5) GN CUS	**0829084**	1

Accessories

P1 UC-MAG 7	**5146568**	1
UC-WMCO 3,6 TOOL	**0827804**	10
UC-WMCO TOOL SET	**0827807**	1

Conductor and cable marking

UniCard slide-on conductor marking

– The UC-WMCO ... UniCard labeling range includes slide-on markers for the subsequent labeling of conductors. They can be slid on easily using the UC-WMCO ... TOOL
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

PRINTED FOR YOU

24 markers for conductor diameters from 3.6 to 4.9 mm, lettering field size: 12 x 5 mm

PRINTED FOR YOU

24 markers for conductor diameters from 3.6 to 4.9 mm, lettering field size: 21 x5 mm

		Technical data	Technical data
General data			
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		24	24
Number of individual labels per strip		6	6
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]	3.6 ... 4.9	3.6 ... 4.9
Conductor cross section range	[mm²]	2.5 ... 4	2.5 ... 4

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard, for subsequent labeling of conductors							
	white	**UC-WMCO 4,9 (12X5)**	**0827733**	5	**UC-WMCO 4,9 (21X5)**	**0827747**	5
	red	**UC-WMCO 4,9 (12X5) RD**	**0827737**	5	**UC-WMCO 4,9 (21X5) RD**	**0827751**	5
	orange	**UC-WMCO 4,9 (12X5) OG**	**0827738**	5	**UC-WMCO 4,9 (21X5) OG**	**0827752**	5
	yellow	**UC-WMCO 4,9 (12X5) YE**	**0827734**	5	**UC-WMCO 4,9 (21X5) YE**	**0827748**	5
	violet	**UC-WMCO 4,9 (12X5) VT**	**0827739**	5	**UC-WMCO 4,9 (21X5) VT**	**0827753**	5
	blue	**UC-WMCO 4,9 (12X5) BU**	**0827735**	5	**UC-WMCO 4,9 (21X5) BU**	**0827749**	5
	green	**UC-WMCO 4,9 (12X5) GN**	**0827736**	5	**UC-WMCO 4,9 (21X5) GN**	**0827750**	5
UniCard, for subsequent labeling of conductors, **labeled acc. to customer specifications**[1])							
	white	**UC-WMCO 4,9 (12X5) CUS**	**0829088**	1	**UC-WMCO 4,9 (21X5) CUS**	**0829095**	1
	red	**UC-WMCO 4,9 (12X5) RD CUS**	**0829092**	1	**UC-WMCO 4,9 (21X5) RD CUS**	**0829099**	1
	orange	**UC-WMCO 4,9 (12X5) OG CUS**	**0829093**	1	**UC-WMCO 4,9 (21X5) OG CUS**	**0829100**	1
	yellow	**UC-WMCO 4,9 (12X5) YE CUS**	**0829089**	1	**UC-WMCO 4,9 (21X5) YE CUS**	**0829096**	1
	violet	**UC-WMCO 4,9 (12X5) VT CUS**	**0829094**	1	**UC-WMCO 4,9 (21X5) VT CUS**	**0829101**	1
	blue	**UC-WMCO 4,9 (12X5) BU CUS**	**0829090**	1	**UC-WMCO 4,9 (21X5) BU CUS**	**0829097**	1
	green	**UC-WMCO 4,9 (12X5) GN CUS**	**0829091**	1	**UC-WMCO 4,9 (21X5) GN CUS**	**0829098**	1

	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 4,9 ... conductor markers	**UC-WMCO 5,8 TOOL**	**0827805**	10	**UC-WMCO 5,8 TOOL**	**0827805**	10
Assembly tool set, for easily sliding on UC–WMCO 1,6 ... and UC–WMCO 4,9 ... conductor markers	**UC-WMCO TOOL SET**	**0827807**	1	**UC-WMCO TOOL SET**	**0827807**	1

Conductor marking with ferrules that can be labeled

- Ferrules can be labeled with BLUEMARK CLED
- Crimping and marking in one step
- Highly resistant and optimum printing quality thanks to modern UV printing technology
- Ferrules made from electrolytic copper
- Electrogalvanized
- Corresponding crimping pliers can be found on page 393.

Can be printed with:

UV

UV LED technology

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

Technical data

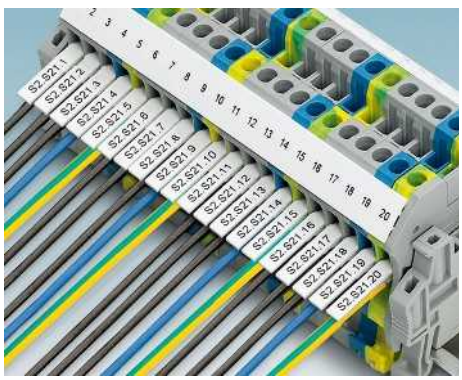
General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED
Material / coating		E-CU / tin-plated (galvanic)
Temperature range	[°C]	-40 ... 120
Components		free from silicone and halogen

Ordering data

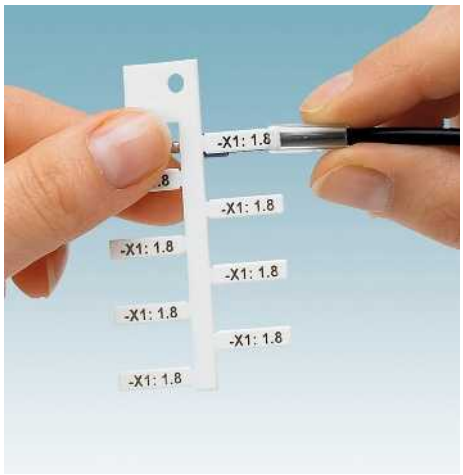
Description	Color	Type	Order No.	Pcs. / Pkt.
Ferrules, with plastic sleeve that can be marked, color range according to **DIN 46228-4: 1990-09**				
20 pcs., 0.5 mm² cross section	white	**AI-WM 0,5-8 WH**	**3240542**	780
20 pcs., 0.75 mm² cross section	gray	**AI-WM 0,75-8 GY**	**3240543**	780
20 pcs., 1.0 mm² cross section	red	**AI-WM 1-8 RD**	**3240544**	780
20 pcs., 1.5 mm² cross section	white	**AI-WM 1,5-8 WH**	**3240545**	780
20 pcs., 2.5 mm² cross section	blue	**AI-WM 2,5-8 BU**	**3240572**	528

Accessories

Magazine for BLUEMARK printer, for accommodating ferrules with insulating collar that can be labeled			
For 0.5 – 1.5 mm²	**BLUEMARK MAG AI-WM**	**5146567**	1
For 2.5 mm²	**BLUEMARK MAG AI-WM 2,5**	**5146640**	1



UniCard conductor marking for marking collars



– The UC−WMT ... UniCard labeling range includes markers for conductor marking with marking collars from the PATG/PATO ... system; see page 224
– The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
– The format automatically ensures printing with a high level of positional accuracy
– Labeled 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 for including function texts
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

PATG/PATO ... system, see page 224.

[1]) For ordering example, see page 359.

Can be printed with:

UV

UV LED technology

y 1 2 3 x

Plotter

PRINTED FOR YOU

48 markers
for a lettering field size of 10 x 4 mm

Technical data

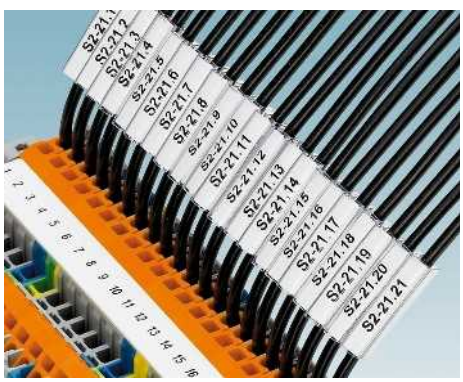
General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		48
Number of individual labels per strip		8
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, with insert strips for PATG and PATO marking collars				
	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 marking system, **labeled acc. to customer specifications**[1])				
	white	**UC-WMT (10X 4) CUS**	**0824788**	1
	red	**UC-WMT (10X 4) RD CUS**	**0824790**	1
	orange	**UC-WMT (10X4) OG CUS**	**0824796**	1
	yellow	**UC-WMT (10X 4) YE CUS**	**0824791**	1
	violet	**UC-WMT (10X4) VT CUS**	**0826789**	1
	blue	**UC-WMT (10X 4) BU CUS**	**0824789**	1
	green	**UC-WMT (10X4) GN CUS**	**0824795**	1

Accessories

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



32 markers
for a lettering field size of 12 x 4 mm

32 markers
for a lettering field size of 15 x 4 mm

24 markers
for a lettering field size of 18 x 4 mm

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
32	
8	
PA	
V2	
-40 ... 120	
free from silicone and halogen	

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMT (12X4)	**0823517**	10
UC-WMT (12X4) RD	**0823614**	10
UC-WMT (12X4) OG	**0823588**	10
UC-WMT (12X4) YE	**0823591**	10
UC-WMT (12X4) VT	**0825378**	10
UC-WMT (12X4) BU	**0823575**	10
UC-WMT (12X4) GN	**0823601**	10
UC-WMT (12X4) CUS	**0827033**	1
UC-WMT (12X4) RD CUS	**0827035**	1
UC-WMT (12X4) OG CUS	**0827036**	1
UC-WMT (12X4) YE CUS	**0827037**	1
UC-WMT (12X4) VT CUS	**0827038**	1
UC-WMT (12X4) BU CUS	**0827039**	1
UC-WMT (12X4) GN CUS	**0827040**	1

Accessories

P1 UC-MAG 4	**5146105**	1

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
32	
8	
PA	
V2	
-40 ... 120	
free from silicone and halogen	

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMT (15X4)	**0819398**	10
UC-WMT (15X4) RD	**0821043**	10
UC-WMT (15X4) OG	**0824037**	10
UC-WMT (15X4) YE	**0819408**	10
UC-WMT (15X4) VT	**0825361**	10
UC-WMT (15X4) BU	**0821030**	10
UC-WMT (15X4) GN	**0824040**	10
UC-WMT (15X 4) CUS	**0824812**	1
UC-WMT (15X 4) RD CUS	**0824814**	1
UC-WMT (15X4) OG CUS	**0824821**	1
UC-WMT (15X 4) YE CUS	**0824815**	1
UC-WMT (15X4) VT CUS	**0826791**	1
UC-WMT (15X 4) BU CUS	**0824813**	1
UC-WMT (15X4) GN CUS	**0824820**	1

Accessories

P1 UC-MAG 4	**5146105**	1

Technical data

BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	
24	
8	
PA	
V2	
-40 ... 120	
free from silicone and halogen	

Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMT (18X4)	**0820293**	10
UC-WMT (18X4) RD	**0821085**	10
UC-WMT (18X4) OG	**0824079**	10
UC-WMT (18X4) YE	**0820303**	10
UC-WMT (18X4) VT	**0825362**	10
UC-WMT (18X4) BU	**0821072**	10
UC-WMT (18X4) GN	**0824082**	10
UC-WMT (18X4) CUS	**0824824**	1
UC-WMT (18X4) RD CUS	**0824826**	1
UC-WMT (18X4) OG CUS	**0824833**	1
UC-WMT (18X4) YE CUS	**0824827**	1
UC-WMT (18X4) VT CUS	**0826793**	1
UC-WMT (18X4) BU CUS	**0824825**	1
UC-WMT (18X4) GN CUS	**0824832**	1

Accessories

P1 UC-MAG 4	**5146105**	1

UniCard conductor marking for marking collars

– The UC−WMT ... UniCard labeling range includes markers for conductor marking with marking collars from the PATG/PATO ... system; see page 224
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:
PATG/PATO ... system, see page 224.
[1]) For ordering example, see page 359.

24 markers
for a lettering field size of 23 x 4 mm

16 markers
for a lettering field size of 30 x 4 mm

		Technical data	Technical data
General data			
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		24	16
Number of individual labels per strip		8	8
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

		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							
	white	**UC-WMT (23X4)**	**0819411**	10	**UC-WMT (30X4)**	**0819437**	10
	red	**UC-WMT (23X4) RD**	**0821124**	10	**UC-WMT (30X4) RD**	**0821166**	10
	orange	**UC-WMT (23X4) OG**	**0824118**	10	**UC-WMT (30X4) OG**	**0824150**	10
	yellow	**UC-WMT (23X4) YE**	**0819424**	10	**UC-WMT (30X4) YE**	**0819440**	10
	violet	**UC-WMT (23X4) VT**	**0825363**	10	**UC-WMT (30X4) VT**	**0825364**	10
	blue	**UC-WMT (23X4) BU**	**0821111**	10	**UC-WMT (30X4) BU**	**0821153**	10
	green	**UC-WMT (23X4) GN**	**0824121**	10	**UC-WMT (30X4) GN**	**0824163**	10
UniCard, with insert strips for marking system, **labeled acc. to customer specifications**[1])							
	white	**UC-WMT (23X4) CUS**	**0824838**	1	**UC-WMT (30X 4) CUS**	**0824848**	1
	red	**UC-WMT (23X4) RD CUS**	**0824842**	1	**UC-WMT (30X4) RD CUS**	**0824855**	1
	orange	**UC-WMT (23X4) OG CUS**	**0824841**	1	**UC-WMT (30X4) OG CUS**	**0824854**	1
	yellow	**UC-WMT (23X4) YE CUS**	**0824843**	1	**UC-WMT (30X 4) YE CUS**	**0824849**	1
	violet	**UC-WMT (23X4) VT CUS**	**0826795**	1	**UC-WMT (30X4) VT CUS**	**0826797**	1
	blue	**UC-WMT (23X4) BU CUS**	**0824839**	1	**UC-WMT (30X4) BU CUS**	**0824852**	1
	green	**UC-WMT (23X4) GN CUS**	**0824840**	1	**UC-WMT (30X4) GN CUS**	**0824853**	1

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

UniCard cable marking for assembly with cable binders

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

Notes:

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

For corresponding cable binders, see page 574 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

UV

UV LED technology

y 1 2 3 x

Plotter

PRINTED FOR YOU

Markers for cable diameters > 7 mm

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Components		free from silicone and halogen
Cable diameter range	[mm]	> 7
Cable cross section range	[mm²]	> 16

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for assembly with two cable binders, 4-section, lettering field size: 44 x 15 mm				
	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 assembly 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
UniCard, for mounting with two cable binders, **labeled acc. to customer specifications,** 4-section, lettering field size: 44 x 15 mm[1])				
	white	**UC-WMTB (44X15) CUS**	**0829379**	1
	orange	**UC-WMTB (44X15) OG CUS**	**0829405**	1
	yellow	**UC-WMTB (44X15) YE CUS**	**0829409**	1
	violet	**UC-WMTB (44X15) VT CUS**	**0829408**	1
	blue	**UC-WMTB (44X15) BU CUS**	**0829403**	1
	green	**UC-WMTB (44X15) GN CUS**	**0829404**	1
	silver	**UC-WMTB (44X15) SR CUS**	**0829407**	1
	brown	**UC-WMTB (44X15) BN CUS**	**0829402**	1
UniCard, for assembly with one cable binder, **labeled acc. to customer specifications**[1])				
3-section, lettering field size: 52 x 30 mm	white	**UC-WMTB (52X30) CUS**	**0829432**	1
2-section, lettering field size: 52 x 50 mm	white	**UC-WMTB (52X50) CUS**	**0829433**	1

Accessories

Magazine, for CMS-P1-PLOTTER			
	P1 UC-MAG 6	**5146121**	1

UniCard cable marking for assembly with cable binders

– The UC-WMTBA ... UniCard labeling range includes markers that can be secured using standard cable binders
– The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
– The format automatically ensures printing with a high level of positional accuracy
– For large-surface labeling of conductors and cables > 4 mm in diameter
– The sheets provide space for including function texts
– Thanks to their angular shape the markers fit perfectly onto cables
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

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

For corresponding cable binders, see page 574 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

UV

UV LED technology

y 1 2 3 x

Plotter

PRINTED FOR YOU

12 markers for a cable diameter > 4 mm, lettering field size: 24 x 5 mm

Technical data

General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		12
Number of individual labels per strip		4
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Components		free from silicone and halogen
Cable diameter range	[mm]	> 4

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for assembly with cable binders				
	white	**UC-WMTBA (24X5)**	**0820426**	10
	red	**UC-WMTBA (24X5) RD**	**0820565**	10
	orange	**UC-WMTBA (24X5) OG**	**0825342**	10
	yellow	**UC-WMTBA (24X5) YE**	**0820439**	10
	violet	**UC-WMTBA (24X5) VT**	**0825344**	10
	blue	**UC-WMTBA (24X5) BU**	**0820552**	10
	green	**UC-WMTBA (24X5) GN**	**0825343**	10
UniCard, for assembly with cable binders, **labeled acc. to customer specifications**[1])				
	white	**UC-WMTBA (24X5) CUS**	**0824860**	1
	red	**UC-WMTBA (24X5) RD CUS**	**0824862**	1
	orange	**UC-WMTBA (24X5) OG CUS**	**0826800**	1
	yellow	**UC-WMTBA (24X5) YE CUS**	**0824863**	1
	violet	**UC-WMTBA (24X5) VT CUS**	**0826801**	1
	blue	**UC-WMTBA (24X5) BU CUS**	**0824861**	1
	green	**UC-WMTBA (24X5) GN CUS**	**0826799**	1

Accessories

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

PRINTED FOR YOU

12 markers for a cable diameter > 6 mm, lettering field size: 29 x 8 mm

PRINTED FOR YOU

4 markers for a cable diameter > 6 mm, lettering field size: 60 x 11 mm

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	12
	4
	PA
	V2
	-40 ... 120
	free from silicone and halogen
	> 6

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) CUS	**0824868**	1
UC-WMTBA (29X8) RD CUS	**0824870**	1
UC-WMTBA (29X8) OG CUS	**0826806**	1
UC-WMTBA (29X8) YE CUS	**0824871**	1
UC-WMTBA (29X8) VT CUS	**0826807**	1
UC-WMTBA (29X8) BU CUS	**0824869**	1
UC-WMTBA (29X8) GN CUS	**0826805**	1

Accessories

P1 UC-MAG 1	**5146079**	1

Technical data

	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
	4
	1
	PA
	V2
	-40 ... 120
	free from silicone and halogen
	> 6

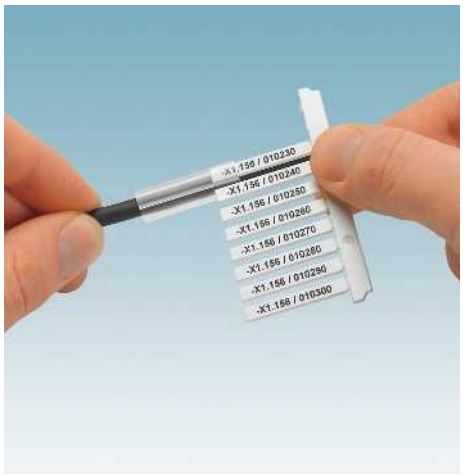
Ordering data

Type	Order No.	Pcs. / Pkt.
UC-WMTBA (60X11)	**0820468**	10
UC-WMTBA (60X11) RD	**0820646**	10
UC-WMTBA (60X11) OG	**0825348**	10
UC-WMTBA (60X11) YE	**0820471**	10
UC-WMTBA (60X11) VT	**0825350**	10
UC-WMTBA (60X11) BU	**0820633**	10
UC-WMTBA (60X11) GN	**0825349**	10
UC-WMTBA (60X11) CUS	**0824876**	1
UC-WMTBA (60X11) RD CUS	**0824878**	1
UC-WMTBA (60X11) OG CUS	**0826812**	1
UC-WMTBA (60X11) YE CUS	**0824879**	1
UC-WMTBA (60X11) VT CUS	**0826813**	1
UC-WMTBA (60X11) BU CUS	**0824877**	1
UC-WMTBA (60X11) GN CUS	**0826811**	1

Accessories

P1 UC-MAG 1	**5146079**	1

UniCard conductor marking for marking collars



– The UCT−WMT ... UniCard labeling range includes markers for conductor marking with marking collars from the PATG/PATO ... system; see page 224
– The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
– The format automatically ensures printing with a high level of positional accuracy
– Labeled 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 for including function texts
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

PATG/PATO ... system, see page 224.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

PRINTED FOR YOU

60 markers with 10 x 4 mm lettering field size

Technical data

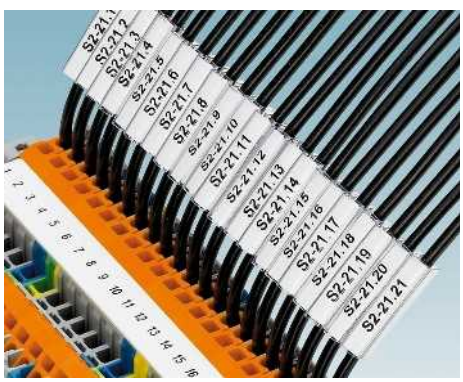
General data	
Can be printed with:	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels	60
Material	PC V0
Inflammability class according to UL 94	V0
Temperature range [°C]	-40 ... 120
Components	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, with insert strips for PATG and PATO marking collars				
	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, PATO marking system, **labeled according to customer specifications**[1])				
	white	**UCT-WMT (10X4) CUS**	**0801515**	1
	red	**UCT-WMT (10X4) RD CUS**	**0801517**	1
	orange	**UCT-WMT (10X4) OG CUS**	**0801518**	1
	yellow	**UCT-WMT (10X4) YE CUS**	**0801516**	1
	violet	**UCT-WMT (10X4) VT CUS**	**0801520**	1
	blue	**UCT-WMT (10X4) BU CUS**	**0801521**	1
	green	**UCT-WMT (10X4) GN CUS**	**0801519**	1

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating UCT-WMT ... sheets, UCT-EM (17X10)		
THERMOMARK CARD-UCT-MAG7	**0801734**	1



50 markers with 12 x 4 mm lettering field size

50 markers with 15 x 4 mm lettering field size

40 markers with 18 x 4 mm lettering field size

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
50
PC V0
V0
-40 ... 120
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-WMT (12X4)	**0801438**	10
UCT-WMT (12X4) RD	**0801440**	10
UCT-WMT (12X4) OG	**0801441**	10
UCT-WMT (12X4) YE	**0801439**	10
UCT-WMT (12X4) VT	**0801443**	10
UCT-WMT (12X4) BU	**0801444**	10
UCT-WMT (12X4) GN	**0801442**	10
UCT-WMT (12X4) CUS	**0801522**	1
UCT-WMT (12X4) RD CUS	**0801524**	1
UCT-WMT (12X4) OG CUS	**0801525**	1
UCT-WMT (12X4) YE CUS	**0801523**	1
UCT-WMT (12X4) VT CUS	**0801528**	1
UCT-WMT (12X4) BU CUS	**0801529**	1
UCT-WMT (12X4) GN CUS	**0801527**	1

Accessories

THERMOMARK CARD-UCT-MAG7	**0801734**	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
50
PC V0
V0
-40 ... 120
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-WMT (15X4)	**0801446**	10
UCT-WMT (15X4) RD	**0801448**	10
UCT-WMT (15X4) OG	**0801449**	10
UCT-WMT (15X4) YE	**0801447**	10
UCT-WMT (15X4) VT	**0801451**	10
UCT-WMT (15X4) BU	**0801452**	10
UCT-WMT (15X4) GN	**0801450**	10
UCT-WMT (15X4) CUS	**0801530**	1
UCT-WMT (15X4) RD CUS	**0801533**	1
UCT-WMT (15X4) OG CUS	**0801534**	1
UCT-WMT (15X4) YE CUS	**0801531**	1
UCT-WMT (15X4) VT CUS	**0801536**	1
UCT-WMT (15X4) BU CUS	**0801537**	1
UCT-WMT (15X4) GN CUS	**0801535**	1

Accessories

THERMOMARK CARD-UCT-MAG7	**0801734**	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
40
PC V0
V0
-40 ... 120
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-WMT (18X4)	**0801462**	10
UCT-WMT (18X4) RD	**0801464**	10
UCT-WMT (18X4) OG	**0801465**	10
UCT-WMT (18X4) YE	**0801463**	10
UCT-WMT (18X4) VT	**0801467**	10
UCT-WMT (18X4) BU	**0801468**	10
UCT-WMT (18X4) GN	**0801466**	10
UCT-WMT (18X4) CUS	**0801538**	1
UCT-WMT (18X4) RD CUS	**0801541**	1
UCT-WMT (18X4) OG CUS	**0801543**	1
UCT-WMT (18X4) YE CUS	**0801540**	1
UCT-WMT (18X4) VT CUS	**0801545**	1
UCT-WMT (18X4) BU CUS	**0801546**	1
UCT-WMT (18X4) GN CUS	**0801544**	1

Accessories

THERMOMARK CARD-UCT-MAG7	**0801734**	1

UniCard conductor marking for marking collars

– The UCT−WMT ... UniCard labeling range includes markers for conductor marking with marking collars from the PATG/PATO ... system; see page 224
– The sheets provide space for including function texts
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

1) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

30 markers with 23 x 4 mm lettering field size

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		30
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				
	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 marking system, **labeled acc. to customer specifications**[1])				
	white	**UCT-WMT (23X4) CUS**	**0801547**	1
	red	**UCT-WMT (23X4) RD CUS**	**0801549**	1
	orange	**UCT-WMT (23X4) OG CUS**	**0801550**	1
	yellow	**UCT-WMT (23X4) YE CUS**	**0801548**	1
	violet	**UCT-WMT (23X4) VT CUS**	**0801552**	1
	blue	**UCT-WMT (23X4) BU CUS**	**0801553**	1
	green	**UCT-WMT (23X4) GN CUS**	**0801551**	1

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating UCT-WMT ... sheets, UCT-EM (17X10)	**THERMOMARK CARD-UCT-MAG7**	**0801734**	1

PRINTED FOR YOU

30 markers with 30 x 4 mm lettering field size

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
30
PC V0
V0
-40 ... 120
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-WMT (30X4)	**0801422**	10
UCT-WMT (30X4) RD	**0801424**	10
UCT-WMT (30X4) OG	**0801425**	10
UCT-WMT (30X4) YE	**0801423**	10
UCT-WMT (30X4) VT	**0801427**	10
UCT-WMT (30X4) BU	**0801428**	10
UCT-WMT (30X4) GN	**0801426**	10
UCT-WMT (30X4) CUS	**0801507**	1
UCT-WMT (30X4) RD CUS	**0801509**	1
UCT-WMT (30X4) OG CUS	**0801510**	1
UCT-WMT (30X4) YE CUS	**0801508**	1
UCT-WMT (30X4) VT CUS	**0801512**	1
UCT-WMT (30X4) BU CUS	**0801514**	1
UCT-WMT (30X4) GN CUS	**0801511**	1

Accessories

THERMOMARK CARD-UCT-MAG7	**0801734**	1

UniCard slide-on conductor marking

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

55 markers for conductor diameters from 1.5 to 4.7 mm

- The UCT-WMS ... UniCard labeling range includes markers that can be slid onto conductors
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the THERMOMARK CARD and BLUEMARK CLED
- The format automatically ensures printing with a high level of positional accuracy
- The markers support multiline labeling
- The sheets provide space for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Technical data

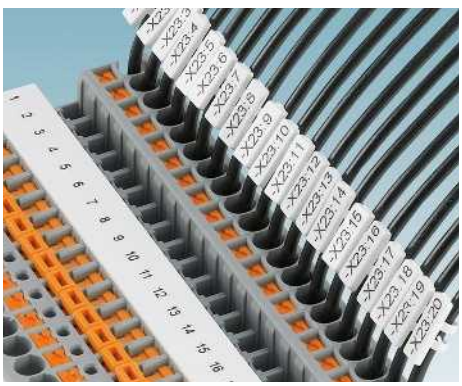
General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Material		PC V0
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Components		free from silicone and halogen

Ordering data

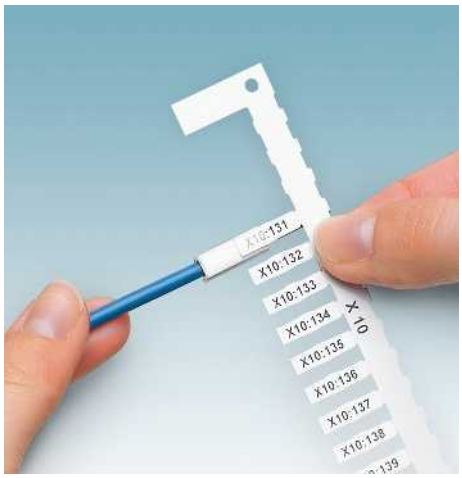
Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling conductors with a diameter of 1.5 - 3.2 mm				
55-section, lettering field size: 12 x 4 mm	white	**UCT-WMS 3,2 (12X4)**	**0828570**	8
	yellow	**UCT-WMS 3,2 (12X4) YE**	**0828572**	8
45-section, lettering field size: 12 x 5.5 mm, for conductors with a diameter of 2.5 - 4.7 mm	white	**UCT-WMS 4,7 (12X5,5)**	**0828571**	6
	yellow	**UCT-WMS 4,7 (12X5,5) YE**	**0828573**	6
UniCard, for labeling conductors with a diameter of 1.5 - 3.2 mm, **labeled acc. to customer specifications**[1])				
55-section, lettering field size: 12 x 4 mm	white	**UCT-WMS 3,2 (12X4) CUS**	**0829951**	1
	yellow	**UCT-WMS 3,2 (12X4) YE CUS**	**0829952**	1
45-section, lettering field size: 12 x 5.5 mm, for conductors with a diameter of 2.5 - 4.7 mm	white	**UCT-WMS 4,7 (12X5,5) CUS**	**0829953**	1
	yellow	**UCT-WMS 4,7 (12X5,5) YE CUS**	**0829954**	1

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating: UCT–WMS …	**THERMOMARK CARD-UCT-MAG3**	**5146613**	1



UniSheet conductor marking for marking collars



- The US-WMT ... UniSheet labeling 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
- Labeled insert strips are simply inserted into the collars. This protects the marking against contamination
- The perforated marking strips are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- Labeling service: Phoenix Contact can custom-label all UniSheet markers in accordance with your requirements

Notes:

For PATG/PATO... system marking collars, see page 224.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

PRINTED FOR YOU

112 markers
for a lettering field size of 10 x 4 mm

Technical data

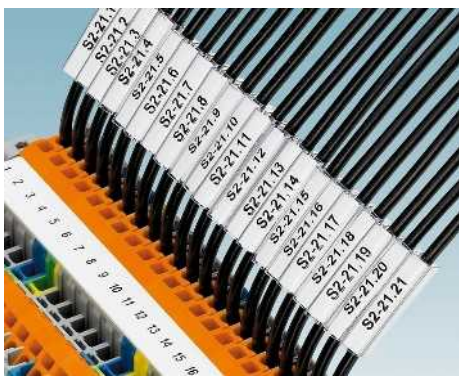
General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD
Number of individual labels		112
Number of individual labels per strip		14
Material		PVC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet, with insert strips for PATG and PATO marking collars				
	white	**US-WMT (10X4)**	**0828765**	10
	red	**US-WMT (10X4) RD**	**0829273**	10
	orange	**US-WMT (10X4) OG**	**0829274**	10
	yellow	**US-WMT (10X4) YE**	**0828952**	10
	violet	**US-WMT (10X4) VT**	**0829276**	10
	blue	**US-WMT (10X4) BU**	**0829277**	10
	green	**US-WMT (10X4) GN**	**0829278**	10
UniSheet, with insert strips for marking system, **labeled acc. to customer specifications**[1])				
	white	**US-WMT (10X4) CUS**	**0829957**	1
	red	**US-WMT (10X4) RD CUS**	**0829958**	1
	orange	**US-WMT (10X4) OG CUS**	**0829959**	1
	yellow	**US-WMT (10X4) YE CUS**	**0829960**	1
	violet	**US-WMT (10X4) VT CUS**	**0829961**	1
	blue	**US-WMT (10X4) BU CUS**	**0829962**	1
	green	**US-WMT (10X4) GN CUS**	**0829963**	1

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials			
	THERMOMARK CARD-US-MAG1	**5146451**	1



UniSheet cable marking for marking collars

– The US-WMT ... UniSheet labeling range includes markers for conductor marking with marking collars from the PATG/PATO ... system
– Labeling service: Phoenix Contact can custom-label all UniSheet markers in accordance with your requirements

Notes:
For PATG/PATO... system marking collars, see page 224.
[1]) For ordering example, see page 359.

PRINTED FOR YOU

98 markers
for a lettering field size of 12 x 4 mm

PRINTED FOR YOU

84 markers
for a lettering field size of 15 x 4 mm

Technical data

General data			
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD	THERMOMARK CARD PLUS • THERMOMARK CARD
Number of individual labels		98	84
Number of individual labels per strip		14	14
Material		PVC	PVC
Inflammability class according to UL 94		V0	V0
Temperature range	[°C]	-30 ... 80	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free	Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniSheet, with insert strips for PATG and PATO marking collars							
	white	**US-WMT (12X4)**	**0828766**	10	**US-WMT (15X4)**	**0828767**	10
	red	**US-WMT (12X4) RD**	**0829280**	10	**US-WMT (15X4) RD**	**0829287**	10
	orange	**US-WMT (12X4) OG**	**0829281**	10	**US-WMT (15X4) OG**	**0829288**	10
	yellow	**US-WMT (12X4) YE**	**0828953**	10	**US-WMT (15X4) YE**	**0828954**	10
	violet	**US-WMT (12X4) VT**	**0829283**	10	**US-WMT (15X4) VT**	**0829290**	10
	blue	**US-WMT (12X4) BU**	**0829284**	10	**US-WMT (15X4) BU**	**0829291**	10
	green	**US-WMT (12X4) GN**	**0829285**	10	**US-WMT (15X4) GN**	**0829292**	10
UniSheet, with insert strips for marking system, **labeled acc. to customer specifications**[1])							
	white	**US-WMT (12X4) CUS**	**0829964**	1	**US-WMT (15X4) CUS**	**0829971**	1
	red	**US-WMT (12X4) RD CUS**	**0829965**	1	**US-WMT (15X4) RD CUS**	**0829972**	1
	orange	**US-WMT (12X4) OG CUS**	**0829966**	1	**US-WMT (15X4) OG CUS**	**0829973**	1
	yellow	**US-WMT (12X4) YE CUS**	**0829967**	1	**US-WMT (15X4) YE CUS**	**0829974**	1
	violet	**US-WMT (12X4) VT CUS**	**0829968**	1	**US-WMT (15X4) VT CUS**	**0829975**	1
	blue	**US-WMT (12X4) BU CUS**	**0829969**	1	**US-WMT (15X4) BU CUS**	**0829976**	1
	blue	**US-WMT (12X4) GN CUS**	**0829970**	1	**US-WMT (15X4) GN CUS**	**0829977**	1

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials							
		THERMOMARK CARD-US-MAG1	**5146451**	1	**THERMOMARK CARD-US-MAG1**	**5146451**	1

70 markers
for a lettering field size of 18 x 4 mm

56 markers
for a lettering field size of 23 x 4 mm

42 markers
for a lettering field size of 30 x 4 mm

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD
	70
	14
	PVC
	V0
	-30 ... 80
	DIN EN 61010-1 (VDE 0411-1)
	Silicone-free

Ordering data

Type	Order No.	Pcs. / Pkt.
US-WMT (18X4)	**0828768**	10
US-WMT (18X4) RD	**0829294**	10
US-WMT (18X4) OG	**0829295**	10
US-WMT (18X4) YE	**0828955**	10
US-WMT (18X4) VT	**0829297**	10
US-WMT (18X4) BU	**0829298**	10
US-WMT (18X4) GN	**0829299**	10
US-WMT (18X4) CUS	**0829978**	1
US-WMT (18X4) RD CUS	**0829979**	1
US-WMT (18X4) OG CUS	**0829980**	1
US-WMT (18X4) YE CUS	**0829981**	1
US-WMT (18X4) VT CUS	**0829982**	1
US-WMT (18X4) BU CUS	**0829983**	1
US-WMT (18X4) GN CUS	**0829984**	1

Accessories

THERMOMARK CARD-US-MAG1	**5146451**	1

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD
	56
	14
	PVC
	V0
	-30 ... 80
	DIN EN 61010-1 (VDE 0411-1)
	Silicone-free

Ordering data

Type	Order No.	Pcs. / Pkt.
US-WMT (23X4)	**0828769**	10
US-WMT (23X4) RD	**0829301**	10
US-WMT (23X4) OG	**0829302**	10
US-WMT (23X4) YE	**0828956**	10
US-WMT (23X4) VT	**0829304**	10
US-WMT (23X4) BU	**0829305**	10
US-WMT (23X4) GN	**0829306**	10
US-WMT (23X4) CUS	**0829985**	1
US-WMT (23X4) RD CUS	**0829986**	1
US-WMT (23X4) OG CUS	**0829987**	1
US-WMT (23X4) YE CUS	**0829988**	1
US-WMT (23X4) VT CUS	**0829989**	1
US-WMT (23X4) BU CUS	**0829990**	1
US-WMT (23X4) GN CUS	**0829991**	1

Accessories

THERMOMARK CARD-US-MAG1	**5146451**	1

Technical data

	THERMOMARK CARD PLUS • THERMOMARK CARD
	42
	14
	PVC
	V0
	-30 ... 80
	DIN EN 61010-1 (VDE 0411-1)
	Silicone-free

Ordering data

Type	Order No.	Pcs. / Pkt.
US-WMT (30X4)	**0828770**	10
US-WMT (30X4) RD	**0829308**	10
US-WMT (30X4) OG	**0829309**	10
US-WMT (30X4) YE	**0828957**	10
US-WMT (30X4) VT	**0829311**	10
US-WMT (30X4) BU	**0829312**	10
US-WMT (30X4) GN	**0829313**	10
US-WMT (30X4) CUS	**0829992**	1
US-WMT (30X4) RD CUS	**0829993**	1
US-WMT (30X4) OG CUS	**0829994**	1
US-WMT (30X4) YE CUS	**0829995**	1
US-WMT (30X4) VT CUS	**0829996**	1
US-WMT (30X4) BU CUS	**0829997**	1
US-WMT (30X4) GN CUS	**0829998**	1

Accessories

THERMOMARK CARD-US-MAG1	**5146451**	1

UniSheet conductor marking for assembly with cable binders

Can be printed with:

Thermal transfer for sheets and cards

Unlabeled

- The US-WMTB... UniSheet labeling 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 for including function texts

Notes:

For corresponding cable binders, see page 574 onwards.

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • 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 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
	blue	**US-WMTB (24X5) BU**	**0829324**	10
	green	**US-WMTB (24X5) GN**	**0829325**	10
24-section, lettering field size: 29 x 8 mm, for conductor diameter ≥ 13 mm	white	**US-WMTB (29X8)**	**0828772**	10
	red	**US-WMTB (29X8) RD**	**0829327**	10
	orange	**US-WMTB (29X8) OG**	**0829328**	10
	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
12-section, lettering field size: 44 x 15 mm, for conductor diameter ≥ 4 mm	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

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials		
THERMOMARK CARD-US-MAG1	**5146451**	1

UniSheet conductor marking for assembly with cable binders

– The US-WMTB... conductor markers can also be supplied labeled according to customer requirements

Notes:

[1]) For ordering example, see page 359.

PRINTED FOR YOU

Labeled according to customer specifications

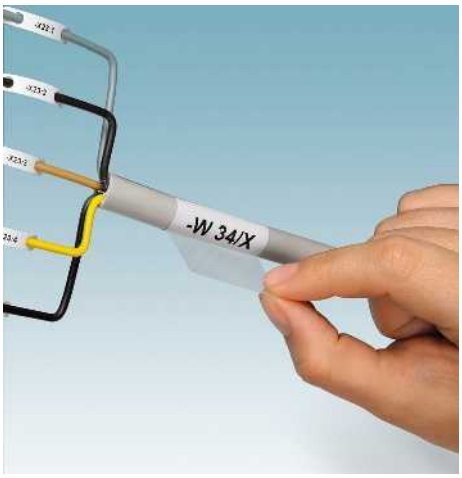
Technical data

General data		
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 markers for attachment using cable binders, **labeled acc. to customer specifications**[1])				
35-section, lettering field size: 24 x 5 mm, for conductor diameter ≥ 13 mm	white	**US-WMTB (24X5) CUS**	**0830004**	1
	red	**US-WMTB (24X5) RD CUS**	**0830005**	1
	orange	**US-WMTB (24X5) OG CUS**	**0830006**	1
	yellow	**US-WMTB (24X5) YE CUS**	**0830007**	1
	violet	**US-WMTB (24X5) VT CUS**	**0830008**	1
	blue	**US-WMTB (24X5) BU CUS**	**0830009**	1
	blue	**US-WMTB (24X5) GN CUS**	**0830010**	1
24-section, lettering field size: 29 x 8 mm, for conductor diameter ≥ 13 mm	white	**US-WMTB (29X8) CUS**	**0830011**	1
	red	**US-WMTB (29X8) RD CUS**	**0830012**	1
	orange	**US-WMTB (29X8) OG CUS**	**0830013**	1
	yellow	**US-WMTB (29X8) YE CUS**	**0830014**	1
	violet	**US-WMTB (29X8) VT CUS**	**0830015**	1
	blue	**US-WMTB (29X8) BU CUS**	**0830016**	1
	blue	**US-WMTB (29X8) GN CUS**	**0830017**	1
12-section, lettering field size: 44 x 15 mm, for conductor diameter ≥ 4 mm	white	**US-WMTB (44X15) CUS**	**0830018**	1
	red	**US-WMTB (44X15) RD CUS**	**0830019**	1
	orange	**US-WMTB (44X15) OG CUS**	**0830020**	1
	yellow	**US-WMTB (44X15) YE CUS**	**0830021**	1
	violet	**US-WMTB (44X15) VT CUS**	**0830022**	1
	blue	**US-WMTB (44X15) BU CUS**	**0830023**	1
	green	**US-WMTB (44X15) GN CUS**	**0830024**	1

Self-adhesive conductor marking with transparent protective foil



- The US-WML ... cable marker labels consist of a labeling field and a transparent protective foil
- The protective foil is wound over the labeling 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 printed with:

Thermal transfer for sheets and cards

Marker for conductor diameters of up to 36 mm

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-50 ... 110
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker labels				
32-section, lettering field size: 13 x 13 mm, conductor diameter < 6.0 mm	white	**US-WML 6 (13X13)**	**0800472**	10
8-section, lettering field size: 19 x 25 mm, conductor diameter < 14.0 mm	white	**US-WML 14 (25X19)**	**0800473**	10
4-section, lettering field size: 25 x 25 mm, conductor diameter < 36.0 mm	white	**US-WML 36 (25X25)**	**0800474**	10

Self-adhesive conductor marking with transparent protective foil

N

Can be printed with:

PRINTED FOR YOU

Laser

Plotter

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 labeling 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.

[1]) For ordering example, see page 359.

Technical data

General data	
Can be printed with:	CMS-P1-PLOTTER • Office printing systems
Material	Polyester
Temperature range [°C]	-40 ... 150
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from halogen and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker labels, sheet format: A4, self-adhesive				
1 sheet = 168 labels, up to 3.0 mm Ø	white	**WML 3 (13X10)A4**	**0830687**	1
1 sheet = 168 labels, up to 3.0 mm Ø	yellow	**WML 3 (13X10)A4 YE**	**0830688**	1
1 sheet = 77 labels, up to 5.0 mm Ø	white	**WML 5 (25X10)A4**	**0830689**	1
1 sheet = 77 labels, up to 5.0 mm Ø	yellow	**WML 5 (25X10)A4 YE**	**0830690**	1
1 sheet = 56 labels, up to 7.5 mm Ø	white	**WML 7,5 (25X13)A4**	**0830691**	1
1 sheet = 56 labels, up to 7.5 mm Ø	yellow	**WML 7,5 (25X13)A4 YE**	**0830692**	1
1 sheet = 28 labels, up to 14 mm Ø	white	**WML 14 (25X19)A4**	**0830693**	1
1 sheet = 28 labels, up to 14 mm Ø	yellow	**WML 14 (25X19)A4 YE**	**0830694**	1
1 sheet = 10 labels, up to 22 mm Ø	white	**WML 22 (35X25)A4**	**0830695**	1
1 sheet = 10 labels, up to 22 mm Ø	yellow	**WML 22 (35X25)A4 YE**	**0830696**	1
1 sheet = 14 labels, up to 36 mm Ø	white	**WML 36 (25X38)A4**	**0830697**	1
1 sheet = 14 labels, up to 36 mm Ø	yellow	**WML 36 (25X38)A4 YE**	**0830698**	1
Cable marker labels,, self-adhesive, **labeled according to customer requirements**[1])				
1 sheet = 168 labels, up to 3.0 mm Ø	white	**WML 3 (13X10)A4 CUS**	**0830699**	1
1 sheet = 168 labels, up to 3.0 mm Ø	yellow	**WML 3 (13X10)A4 YE CUS**	**0830700**	1
1 sheet = 77 labels, up to 5.0 mm Ø	white	**WML 5 (25X10)A4 CUS**	**0830701**	1
1 sheet = 77 labels, up to 5.0 mm Ø	yellow	**WML 5 (25X10)A4 YE CUS**	**0830702**	1
1 sheet = 56 labels, up to 6 mm Ø	white	**WML 6 (25X13)A4 CUS**	**0830703**	1
1 sheet = 56 labels, up to 6 mm Ø	yellow	**WML 6 (25X13)A4 YE CUS**	**0830704**	1
1 sheet = 28 labels, up to 14 mm Ø	white	**WML 14 (25X19)A4 CUS**	**0830705**	1
1 sheet = 28 labels, up to 14 mm Ø	yellow	**WML 14 (25X19)A4 YE CUS**	**0830706**	1
1 sheet = 10 labels, up to 22 mm Ø	white	**WML 22 (35X25)A4 CUS**	**0830707**	1
1 sheet = 10 labels, up to 22 mm Ø	yellow	**WML 22 (35X25)A4 YE CUS**	**0830708**	1
1 sheet = 14 labels, up to 36 mm Ø	white	**WML 36 (25X38)A4 CUS**	**0830709**	1

Self-adhesive conductor marking with transparent protective foil

- The cable marker labels consist of a labeling field and a transparent protective foil
- The protective foil is wound over the labeling 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 labeling image created by thermal transfer printing
- Quick and easy handling
- Resistant to solvents

Can be printed with:

Thermal transfer for rolls

Marker for conductor diameters of up to 46 mm, unlabeled

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		PVC
Temperature range	[°C]	-50 ... 110
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker labels				
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

Self-adhesive conductor marking with transparent protective foil

– All WML ... cable marker labels can also be supplied labeled according to customer requirements

Notes:

[1]) For ordering example, see page 359.

Markers for conductor diameters of up to 36 mm, labeled acc. to customer specifications

Technical data

General data		
Material		PVC
Temperature range	[°C]	-50 ... 110
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker labels, labeled according to customer requirements[1])				
Up to 3 mm Ø, 4 labels per strip	white	**WML 3 (13X10)R CUS**	**0824884**	1
Up to 5 mm Ø, 3 labels per strip	white	**WML 5 (25X10)R CUS**	**0824885**	1
Up to 5 mm Ø, 3 labels per strip	yellow	**WML 5 (25X10)R YE CUS**	**0830680**	1
Up to 6 mm Ø, 7 labels per strip	white	**WML 6 (13X13)R CUS**	**0824886**	1
Up to 6 mm Ø, 7 labels per strip	yellow	**WML 6 (13X13)R YE CUS**	**0830681**	1
Up to 7.5 mm Ø, 7 labels per strip	white	**WML 7,5 (13X13)R CUS**	**0824887**	1
Up to 7.5 mm Ø, 4 labels per strip	white	**WML 7,5 (17X9)R CUS**	**0828991**	1
Up to 7.5 mm Ø, 3 labels per strip	white	**WML 7,5 (25X13)R CUS**	**0824888**	1
Up to 12 mm Ø, 3 labels per strip	white	**WML 12 (25X19)R CUS**	**0824889**	1
Up to 14 mm Ø, 3 labels per strip	white	**WML 14 (25X19)R CUS**	**0824890**	1
Up to 14 mm Ø, 3 labels per strip	yellow	**WML 14 (25X19)R YE CUS**	**0824891**	1
Up to 14 mm Ø, 2 labels per strip	white	**WML 14 (38X19)R CUS**	**0824892**	1
Up to 14 mm Ø, 2 labels per strip	yellow	**WML 14 (38X19)R YE CUS**	**0830682**	1
Up to 18 mm Ø, 7 labels per strip	white	**WML 18 (12X12)R CUS**	**0824894**	1
Up to 20 mm Ø, 2 labels per strip	white	**WML 20 (31X25)R CUS**	**0828992**	1
Up to 22 mm Ø, 3 labels per strip	white	**WML 22 (25X25)R CUS**	**0824895**	1
Up to 36 mm Ø, 3 labels per strip	white	**WML 36 (25X38)R CUS**	**0824896**	1

Self-adhesive conductor marking with transparent protective foil, halogen-free

- The halogen-free cable marker labels consist of a labeling field and a transparent protective foil
- The protective foil is wound over the labeling 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 labeling image created by thermal transfer printing
- Quick and easy handling
- Resistant to solvents

Can be printed with:

Thermal transfer for rolls

Marker for conductor diameters of up to 36 mm

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1
Material		PVC
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker labels, halogen-free				
5000 labels, up to 3 mm Ø	white	**WML HF 3(13X10)R**	**0830812**	1
5000 labels, up to 3 mm Ø	yellow	**WML HF 3(13X10)R YE**	**0830813**	1
3000 labels, up to 5 mm Ø	white	**WML HF 5(25X10)R**	**0830814**	1
3000 labels, up to 5 mm Ø	yellow	**WML HF 5(25X10)R YE**	**0830815**	1
2100 labels, up to 7.5 mm Ø	white	**WML HF 7,5(25X13)R**	**0830816**	1
2100 labels, up to 7.5 mm Ø	yellow	**WML HF 7,5(25X13)R YE**	**0830817**	1
1500 labels, up to 14 mm Ø	white	**WML HF 14(25X19)R**	**0830818**	1
1500 labels, up to 14 mm Ø	yellow	**WML HF 14(25X19)R YE**	**0830819**	1
900 labels, up to 22 mm Ø	white	**WML HF 22(25X25)R**	**0830820**	1
900 labels, up to 22 mm Ø	yellow	**WML HF 22(25X25)R YE**	**0830821**	1
500 labels, up to 36 mm Ø	white	**WML HF 36(25X38)R**	**0830822**	1
500 labels, up to 36 mm Ø	yellow	**WML HF 36(25X38)R YE**	**0830823**	1

N

Self-adhesive conductor marking with transparent protective foil, halogen-free

– All WML HF ... cable marker labels can also be supplied labeled according to customer requirements

Notes:

[1]) For ordering example, see page 359.

Labeled according to customer specifications

Technical data

General data	
Material	PVC
Temperature range [°C]	-40 ... 100
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker labels, halogen-free, labeled according to customer specifications[1])				
Up to 3 mm Ø, 4 labels per strip	white	**WML HF 3(13X10)R CUS**	**0830824**	1
Up to 3 mm Ø, 4 labels per strip	yellow	**WML HF 3(13X10)R YE CUS**	**0830825**	1
Up to 5 mm Ø, 3 labels per strip	white	**WML HF 5(25X10)R CUS**	**0830826**	1
Up to 5 mm Ø, 3 labels per strip	yellow	**WML HF 5(25X10)R YE CUS**	**0830827**	1
Up to 7.5 mm Ø, 3 labels per strip	white	**WML HF 7,5(25X13)R CUS**	**0830828**	1
Up to 7.5 mm Ø, 3 labels per strip	yellow	**WML HF 7,5(25X13)R YE CUS**	**0830829**	1
Up to 14 mm Ø, 3 labels per strip	white	**WML HF 14(25X19)R CUS**	**0830831**	1
Up to 14 mm Ø, 3 labels per strip	yellow	**WML HF 14(25X19)R YE CUS**	**0830832**	1
Up to 22 mm Ø, 3 labels per strip	white	**WML HF 22(25X25)R CUS**	**0830833**	1
Up to 22 mm Ø, 3 labels per strip	yellow	**WML HF 22(25X25)R YE CUS**	**0830834**	1
Up to 36 mm Ø, 3 labels per strip	white	**WML HF 36(25X38)R CUS**	**0830835**	1
Up to 36 mm Ø, 3 labels per strip	yellow	**WML HF 36(25X38)R YE CUS**	**0830836**	1

Self-adhesive conductor marking as a flag, horizontal

The WML-FLAGV... 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:

– Their ability to be printed on both sides
– High-quality labeling image created by thermal transfer printing
– Quick and easy handling
– Resistance to solvents
– Labeling service: Phoenix Contact can custom-label all conductor markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

Marker for conductor diameters of up to 6 mm

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		Polyolefine
Temperature range	[°C]	-40 ... 60
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from halogen and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marking flags				
up to 6 mm Ø, lettering field size: 20 x 10 mm, 2500 labels per roll	white	**WML-FLAG 6 (20X10)R**	**0830711**	1
up to 6 mm Ø, lettering field size: 30 x 10 mm, 2500 labels per roll	white	**WML-FLAG 6 (30X10)R**	**0830712**	1
Cable marking flags, **labeled according to customer specifications**[1])				
up to 6 mm Ø, lettering field size: 20 x 10 mm, 1 label per strip	white	**WML-FLAG 6 (20X10)R CUS**	**0830715**	1
up to 6 mm Ø, lettering field size: 30 x 10 mm, 1 label per strip	white	**WML-FLAG 6 (30X10)R CUS**	**0830716**	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:

– Their ability to be printed on both sides
– High-quality labeling image created by thermal transfer printing
– Quick and easy handling
– Resistance to solvents
– Labeling service: Phoenix Contact can custom-label all conductor markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU

Marker for conductor diameters of up to 6 mm

N

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		Polyolefine
Temperature range	[°C]	-40 ... 60
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from halogen and cadmium

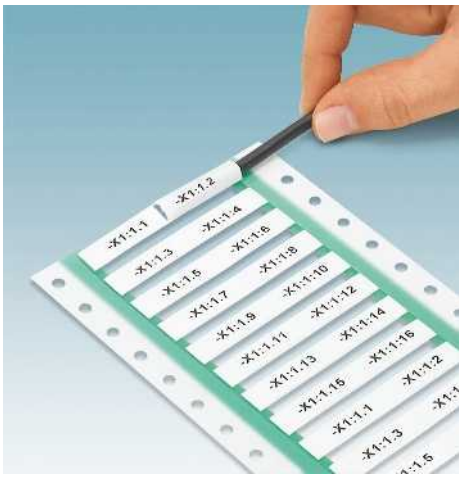
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marking flags				
up to 6 mm Ø, lettering field size: 20 x 10 mm, 2500 labels per roll	white	**WML-FLAGV 6 (20X10)R**	**0830713**	1
up to 6 mm Ø, lettering field size: 30 x 10 mm, 2500 labels per roll	white	**WML-FLAGV 6 (30X10)R**	**0830714**	1
Cable marking flags, **labeled according to customer specifications**[1])				
up to 6 mm Ø, lettering field size: 20 x 10 mm, 3 labels per strip	white	**WML-FLAGV 6 (20X10)R CUS**	**0830717**	1
up to 6 mm Ø, lettering field size: 30 x 10 mm, 3 labels per strip	white	**WML-FLAGV 6 (30X10)R CUS**	**0830718**	1

Pre-assembled shrink sleeves

Can be printed with:

Thermal transfer for rolls



Conductor cross sections from 0.8 to 38 mm, white and yellow

- The WMS ... shrink sleeves permanently identify conductors and cables
- The sleeves are pre-assembled for optimum use of material
- Up to four markers per tube are separated by perforation
- The conductor to be labeled is easily threaded through the sleeve and fixed by shrinking the sleeve
- The sleeves remain flexible after shrinking
- The shrink sleeves offer the conductors additional electrical insulation and mechanical protection

  The following standards are satisfied:
- UL 224 (125°C, 600 V, VW-1)
- CSA.C22.2 No. 198.1 (125°C, 600 V, VW-1)
- MIL-STD-202G, SAE AMS-DTL-23053, SAE AS-81531

Notes:

The special THEMOMARK-RIBBON ... WMSU is required for marking WMS ... shrink sleeves, see Printers, page 38.

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Material		Polyolefine
Temperature range	[°C]	-55 ... 135
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink rate		3:1

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Shrink sleeve, for conductor diameters 0.8 - 2.4 mm				
1 roll = 1000 markers, 15 mm long	white	**WMS 2,4 (15X4)R**	**0800379**	1
	yellow	**WMS 2,4 (15X4)R YE**	**0800412**	1
1 roll = 500 markers, 30 mm long	white	**WMS 2,4 (30X4)R**	**0800373**	1
	yellow	**WMS 2,4 (30X4)R YE**	**0800407**	1
1 roll = 250 markers, 60 mm long	white	**WMS 2,4 (60X4)R**	**0800363**	1
	yellow	**WMS 2,4 (60X4)R YE**	**0800398**	1
Shrink sleeve, for conductor diameters 1.0 - 3.2 mm				
1 roll = 1000 markers, 15 mm long	white	**WMS 3,2 (15X5)R**	**0800380**	1
	yellow	**WMS 3,2 (15X5)R YE**	**0800413**	1
1 roll = 500 markers, 30 mm long	white	**WMS 3,2 (30X5)R**	**0800374**	1
	yellow	**WMS 3,2 (30X5)R YE**	**0800408**	1
1 roll = 250 markers, 60 mm long	white	**WMS 3,2 (60X5)R**	**0800364**	1
	yellow	**WMS 3,2 (60X5)R YE**	**0800399**	1
Shrink sleeve, for conductor diameters 1.6 - 4.8 mm				
1 roll = 1000 markers, 15 mm long	white	**WMS 4,8 (15X9)R**	**0800382**	1
	yellow	**WMS 4,8 (15X9)R YE**	**0800414**	1
1 roll = 500 markers, 30 mm long	white	**WMS 4,8 (30X9)R**	**0800375**	1
	yellow	**WMS 4,8 (30X9)R YE**	**0800409**	1
1 roll = 250 markers, 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 = 500 markers, 30 mm long	white	**WMS 6,4 (30X10)R**	**0800376**	1
	yellow	**WMS 6,4 (30X10)R YE**	**0800410**	1
1 roll = 250 markers, 60 mm long	white	**WMS 6,4 (60X10)R**	**0800367**	1
	yellow	**WMS 6,4 (60X10)R YE**	**0800401**	1
Shrink sleeve, for conductor diameters 3.2 - 9.5 mm				
1 roll = 500 markers, 30 mm long	white	**WMS 9,5 (30X16)R**	**0800377**	1
	yellow	**WMS 9,5 (30X16)R YE**	**0800411**	1
1 roll = 250 markers, 60 mm long	white	**WMS 9,5 (60X16)R**	**0800368**	1
	yellow	**WMS 9,5 (60X16)R YE**	**0800402**	1
Shrink sleeve, for conductor diameters 4.2 - 12.7 mm				
1 roll = 250 markers, 60 mm long	white	**WMS 12,7 (60X20)R**	**0800369**	1
	yellow	**WMS 12,7 (60X20)R YE**	**0800403**	1
Shrink sleeve, for conductor diameters 6.4 - 19.1 mm				
1 roll = 250 markers, 60 mm long	white	**WMS 19,1 (60X30)R**	**0800370**	1
	yellow	**WMS 19,1 (60X30)R YE**	**0800404**	1
Shrink sleeve, for conductor diameters 8.5 - 25.4 mm				
1 roll = 250 markers, 60 mm long	white	**WMS 25,4 (60X40)R**	**0800371**	1
	yellow	**WMS 25,4 (60X40)R YE**	**0800405**	1
Shrink sleeve, for conductor diameters 12.7 - 38.1 mm				
1 roll = 250 markers, 60 mm long	white	**WMS 38,1 (60X60)R**	**0800372**	1
	yellow	**WMS 38,1 (60X60)R YE**	**0800406**	1

Pre-assembled shrink sleeves

Notes:
The special THEMOMARK-RIBBON ... WMSU is required for marking WMS ... shrink sleeves, see Printers, page 38.
The external THERMOMARK ROLL–ERH media hub is required for RL rolls, see Printers, page 38. The external THERMOMARK–ERH 500 media hub is required for RXL rolls, see Printers, page 38.

Conductor cross sections from 0.8 to 4.8 mm, RL roll, white

Conductor cross sections from 0.8 to 4.8 mm, RXL roll, white

		Technical data	Technical data
General data			
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2	THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Material		Polyolefine	Polyolefine
Temperature range	[°C]	-55 ... 135	-55 ... 135
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free	Halogen-free
Shrink rate		3:1	3:1

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Shrink sleeve, for conductor diameters 0.8 - 2.4 mm							
1 roll = 4000 markers, 15 mm long	white	**WMS 2,4 (15X4)RL**	**0800389**	1			
1 roll = 10000 markers, 15 mm long	white				**WMS 2,4 (15X4)RXL**	**0800396**	1
1 roll = 2000 markers, 30 mm long	white	**WMS 2,4 (30X4)RL**	**0800386**	1			
1 roll = 5000 markers, 30 mm long	white				**WMS 2,4 (30X4)RXL**	**0800394**	1
1 roll = 1000 markers, 60 mm long	white	**WMS 2,4 (60X4)RL**	**0800383**	1			
1 roll = 2500 markers, 60 mm long	white				**WMS 2,4 (60X4)RXL**	**0800392**	1
Shrink sleeve, for conductor diameters 1.0 - 3.2 mm							
1 roll = 4000 markers, 15 mm long	white	**WMS 3,2 (15X5)RL**	**0800390**	1			
1 roll = 2000 markers, 30 mm long	white	**WMS 3,2 (30X5)RL**	**0800387**	1			
1 roll = 1000 markers, 60 mm long	white	**WMS 3,2 (60X5)RL**	**0800384**	1			
Shrink sleeve, for conductor diameters 1.6 - 4.8 mm							
1 roll = 4000 markers, 15 mm long	white	**WMS 4,8 (15X9)RL**	**0800391**	1			
1 roll = 10000 markers, 15 mm long	white				**WMS 4,8 (15X9)RXL**	**0800397**	1
1 roll = 2000 markers, 30 mm long	white	**WMS 4,8 (30X9)RL**	**0800388**	1			
1 roll = 5000 markers, 30 mm long	white				**WMS 4,8 (30X9)RXL**	**0800395**	1
1 roll = 1000 markers, 60 mm long	white	**WMS 4,8 (60X9)RL**	**0800385**	1			
1 roll = 2500 markers, 60 mm long	white				**WMS 4,8 (60X9)RXL**	**0800393**	1

Pre-assembled shrink sleeves, labeled acc. to customer specifications

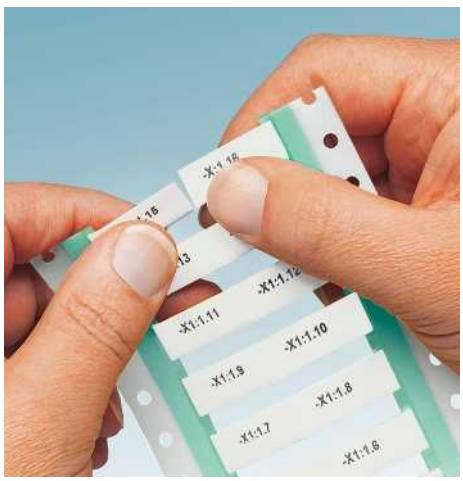
All WMS ... pre-assembled shrink sleeves can be supplied labeled according to customer requirements.

The following standards are satisfied:

– UL 224 (125°C, 600 V, VW-1)
– CSA.C22.2 No. 198.1 (125°C, 600 V, VW-1)
– MIL-STD-202G, SAE AMS-DTL-23053, SAE AS-81531

Notes:

1) For ordering example, see page 359.



PRINTED FOR YOU

Conductor cross sections from 0.8 to 38 mm, white

Technical data

General data		
Material		Polyolefine
Temperature range	[°C]	-55 ... 135
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink rate		3:1

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Shrink sleeve, for conductor diameters 0.8 - 2.4 mm, **labeled according to customer requirements**[1])			
4 markers per strip, 15 mm long	**WMS 2,4 (15X4)R CUS**	**0800752**	1
2 markers per strip, 30 mm long	**WMS 2,4 (30X4)R CUS**	**0800745**	1
1 marker per strip, 60 mm long	**WMS 2,4 (60X4)R CUS**	**0800736**	1
Shrink sleeve, for conductor diameters 1.0 - 3.2 mm, **labeled according to customer requirements**[1])			
4 markers per strip, 15 mm long	**WMS 3,2 (15X5)R CUS**	**0800753**	1
2 markers per strip, 30 mm long	**WMS 3,2 (30X5)R CUS**	**0800746**	1
1 marker per strip, 60 mm long	**WMS 3,2 (60X5)R CUS**	**0800737**	1
Shrink sleeve, for conductor diameters 1.6 - 4.8 mm, **labeled according to customer requirements**[1])			
4 markers per strip, 15 mm long	**WMS 4,8 (15X9)R CUS**	**0800754**	1
2 markers per strip, 30 mm long	**WMS 4,8 (30X9)R CUS**	**0800748**	1
1 marker per strip, 60 mm long	**WMS 4,8 (60X9)R CUS**	**0800738**	1
Shrink sleeve, for conductor diameters 2.1 - 6.4 mm, **labeled according to customer requirements**[1])			
2 markers per strip, 30 mm long	**WMS 6,4 (30X10)R CUS**	**0800749**	1
1 marker per strip, 60 mm long	**WMS 6,4 (60X10)R CUS**	**0800739**	1
Shrink sleeve, for conductor diameters 3.2 - 9.5 mm, **labeled according to customer requirements**[1])			
2 markers per strip, 30 mm long	**WMS 9,5 (30X16)R CUS**	**0800751**	1
1 marker per strip, 60 mm long	**WMS 9,5 (60X16)R CUS**	**0800740**	1
Shrink sleeve, for conductor diameters 4.2 - 12.7 mm, **labeled according to customer requirements**[1])			
1 marker per strip, 60 mm long	**WMS 12,7 (60X20)R CUS**	**0800741**	1
Shrink sleeve, for conductor diameters 6.4 - 19.1 mm, **labeled according to customer requirements**[1])			
1 marker per strip, 60 mm long	**WMS 19,1 (60X30)R CUS**	**0800742**	1
Shrink sleeve, for conductor diameters 8.5 - 25.4 mm, **labeled according to customer requirements**[1])			
1 marker per strip, 60 mm long	**WMS 25,4 (60X40)R CUS**	**0800743**	1
Shrink sleeve, for conductor diameters 12.7 - 38.1 mm, **labeled according to customer requirements**[1])			
1 marker per strip, 60 mm long	**WMS 38,1 (60X60)R CUS**	**0800744**	1

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Conductor cross sections from 0.8 to 38 mm, yellow

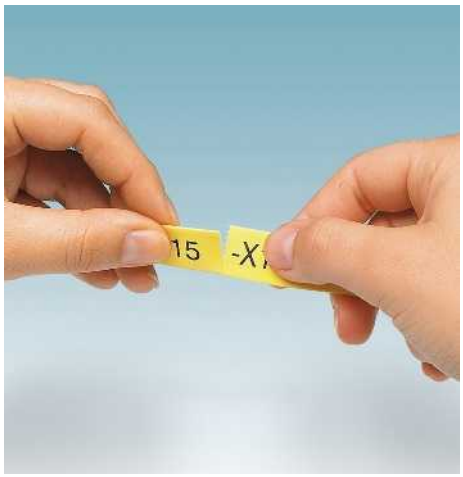
Technical data

Polyolefine
-55 ... 135
DIN EN 61010-1 (VDE 0411-1)
Halogen-free
3:1

Ordering data

Type	Order No.	Pcs. / Pkt.
WMS 2,4 (15X4)R YE CUS	0800770	1
WMS 2,4 (30X4)R YE CUS	0800765	1
WMS 2,4 (60X4)R YE CUS	0800755	1
WMS 3,2 (15X5)R YE CUS	0800771	1
WMS 3,2 (30X5)R YE CUS	0800766	1
WMS 3,2 (60X5)R YE CUS	0800756	1
WMS 4,8 (15X9)R YE CUS	0800772	1
WMS 4,8 (30X9)R YE CUS	0800767	1
WMS 4,8 (60X9)R YE CUS	0800757	1
WMS 6,4 (30X10)R YE CUS	0800768	1
WMS 6,4 (60X10)R YE CUS	0800758	1
WMS 9,5 (30X16)R YE CUS	0800769	1
WMS 9,5 (60X16)R YE CUS	0800759	1
WMS 12,7 (60X20)R YE CUS	0800760	1
WMS 19,1 (60X30)R YE CUS	0800761	1
WMS 25,4 (60X40)R YE CUS	0800762	1
WMS 38,1 (60X60)R YE CUS	0800764	1

Continuous shrink sleeve



– The shrink sleeves are automatically perforated or cut to the length required in the printing process
– They 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, VW-1)
– CSA.C22.2 No. 198.1 (125°C, 600 V, VW-1)
– MIL-STD-202G, SAE AMS-DTL-23053, SAE AS-81531

Notes:

The special THEMOMARK-RIBBON ... WMSU is required for marking WMS ... shrink sleeves, see Printers, page 38.
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 Printers, page 38.
THERMOMARK ROLL X1 and THERMOMARK W2:
R rolls can be inserted directly in the device, use the THERMOMARK-ERH 500 for large rolls, see Printers, page 43.

Can be printed with:

Thermal transfer for rolls

Shrinkable marker, white

Technical data

General data		
Can be printed with:		THERMOMARK W1 • THERMOMARK W2 • THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Material		Polyolefine
Temperature range	[°C]	-55 ... 135
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink rate		3:1

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Shrink sleeve			
1 roll = 30 m, conductor diameter: 0.8 - 2.4 mm	**WMS 2,4 (EX4)R**	**0800289**	1
1 roll = 30 m, conductor diameter: 1.0 - 3.2 mm	**WMS 3,2 (EX5)R**	**0800290**	1
1 roll = 30 m, conductor diameter: 1.6 - 4.8 mm	**WMS 4,8 (EX9)R**	**0800291**	1
1 roll = 25 m, conductor diameter: 2.1 - 6.4 mm	**WMS 6,4 (EX10)R**	**0800292**	1
1 roll = 20 m, conductor diameter: 3.2 - 9.5 mm	**WMS 9,5 (EX16)R**	**0800293**	1
1 roll = 20 m, conductor diameter: 4.2 - 12.7 mm	**WMS 12,7 (EX20)R**	**0800294**	1
1 roll = 20 m, conductor diameter: 6.4 - 19.1 mm	**WMS 19,1 (EX30)R**	**0800295**	1
1 roll = 15 m, conductor diameter: 8.5 - 25.4 mm	**WMS 25,4 (EX40)R**	**0800296**	1
1 roll = 15 m, conductor diameter: 12.7 - 38.1 mm	**WMS 38,1 (EX60)R**	**0800298**	1
1 roll = 15 m, conductor diameter: 16.9 - 50.8 mm	**WMS 50,8 (EX80)R**	**0800299**	1
Shrink sleeve, large roll			
1 roll = 120 m, conductor diameter: 0.8 - 2.4 mm	**WMS 2,4 (EX4)RL**	**0800319**	1
1 roll = 120 m, conductor diameter: 1.0 - 3.2 mm	**WMS 3,2 (EX5)RL**	**0800320**	1
1 roll = 120 m, conductor diameter: 1.6 - 4.8 mm	**WMS 4,8 (EX9)RL**	**0800321**	1
1 roll = 100 m, conductor diameter: 2.1 - 6.4 mm	**WMS 6,4 (EX10)RL**	**0800322**	1
1 roll = 80 m, conductor diameter: 3.2 - 9.5 mm	**WMS 9,5 (EX16)RL**	**0800324**	1
1 roll = 80 m, conductor diameter: 4.2 - 12.7 mm	**WMS 12,7 (EX20)RL**	**0800325**	1
1 roll = 80 m, conductor diameter: 6.4 - 19.1 mm	**WMS 19,1 (EX30)RL**	**0800326**	1
1 roll = 60 m, conductor diameter: 8.5 - 25.4 mm	**WMS 25,4 (EX40)RL**	**0800327**	1

Shrinkable marker, yellow

Shrinkable marker, black

Technical data

THERMOMARK W1 • THERMOMARK W2 • THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
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 ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
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

Continuous shrink sleeves, labeled according to customer requirements

All WMS ... continuous shrink sleeves can also be supplied labeled according to customer requirements.

The following standards are satisfied:
– UL 224 (125°C, 600 V, VW-1)
– CSA.C22.2 No. 198.1 (125°C, 600 V, VW-1)
– MIL-STD-202G, SAE AMS-DTL-23053, SAE AS-81531

Figure below shows:
– SD-WMTB (70x10) label holder in combination with WMS 6,4 (Ex10)R CUS shrink sleeve for marking cables and conductors; see page 221

Notes:

[1]) For ordering example, see page 359.

PRINTED FOR YOU

Shrinkable marker, white

Technical data

General data		
Material		Polyolefine
Temperature range	[°C]	-55 ... 135
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink rate		3:1

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Shrink sleeve, labeled according to customer requirements[1])			
1 roll = 30 m, conductor diameter: 0.8 - 2.4 mm	**WMS 2,4 (EX4)R CUS**	**0800701**	1
1 roll = 30 m, conductor diameter: 1.0 - 3.2 mm	**WMS 3,2 (EX5)R CUS**	**0800702**	1
1 roll = 30 m, conductor diameter: 1.6 - 4.8 mm	**WMS 4,8 (EX9)R CUS**	**0800703**	1
1 roll = 25 m, conductor diameter: 2.1 - 6.4 mm	**WMS 6,4 (EX10)R CUS**	**0800704**	1
1 roll = 20 m, conductor diameter: 3.2 - 9.5 mm	**WMS 9,5 (EX16)R CUS**	**0800706**	1
1 roll = 20 m, conductor diameter: 4.2 - 12.7 mm	**WMS 12,7 (EX20)R CUS**	**0800707**	1
1 roll = 20 m, conductor diameter: 6.4 - 19.1 mm	**WMS 19,1 (EX30)R CUS**	**0800708**	1
1 roll = 15 m, conductor diameter: 8.5 - 25.4 mm	**WMS 25,4 (EX40)R CUS**	**0800709**	1
1 roll = 15 m, conductor diameter: 12.7 - 38.1 mm	**WMS 38,1 (EX60)R CUS**	**0800710**	1
1 roll = 15 m, conductor diameter: 16.9 - 50.8 mm	**WMS 50,8 (EX80)R CUS**	**0800711**	1

Shrinkable marker, yellow

Shrinkable marker, black

Technical data

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 CUS	0800713	1
WMS 3,2 (EX5)R YE CUS	0800714	1
WMS 4,8 (EX9)R YE CUS	0800715	1
WMS 6,4 (EX10)R YE CUS	0800716	1
WMS 9,5 (EX16)R YE CUS	0800717	1
WMS 12,7 (EX20)R YE CUS	0800719	1
WMS 19,1 (EX30)R YE CUS	0800720	1
WMS 25,4 (EX40)R YE CUS	0800722	1
WMS 38,1 (EX60)R YE CUS	0800723	1
WMS 50,8 (EX80)R YE CUS	0800724	1

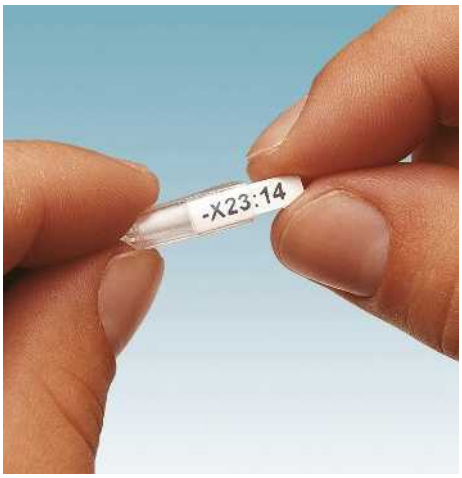
Technical data

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 CUS	0800725	1
WMS 3,2 (EX5)R BK CUS	0800726	1
WMS 4,8 (EX9)R BK CUS	0800727	1
WMS 6,4 (EX10)R BK CUS	0800728	1
WMS 9,5 (EX16)R BK CUS	0800729	1
WMS 12,7 (EX20)R BK CUS	0800730	1
WMS 19,1 (EX30)R BK CUS	0800731	1
WMS 25,4 (EX40)R BK CUS	0800732	1
WMS 38,1 (EX60)R BK CUS	0800733	1
WMS 50,8 (EX80)R BK CUS	0800735	1

Insertable conductor marking for marking collars



– EMT ... insert labels for labeling 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 labeling with a laser printer

Notes:
PATG/PATO ... system, see page 224.
KMK ..., see page 216.
LM ..., see page 217.
1) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU

For PATG ... and PATO ... marker carriers

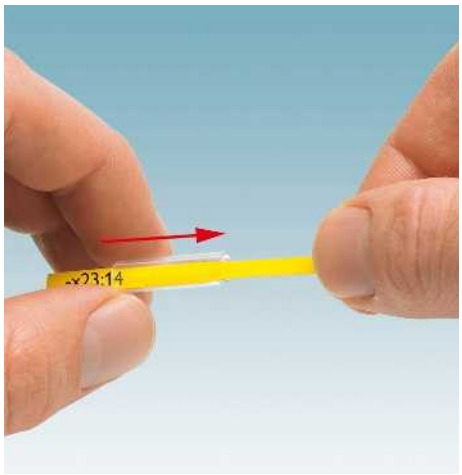
Technical data

General data		
Can be printed with:		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.
Insert strips, Lettering field size: 10 x 4 mm, 7500 labels p. roll	white	**EMT (10X4)R**	**0816235**	1
Lettering field size: 15 x 4 mm, 7500 labels p. roll	white	**EMT (15X4)R**	**0817329**	1
	red	**EMT (15X4)R RD**	**0816249**	1
	yellow	**EMT (15X4)R YE**	**0817358**	1
	blue	**EMT (15X4)R BU**	**0817332**	1
Lettering field size: 23 x 4 mm, 5000 labels p. roll	white	**EMT (23X4)R**	**0817361**	1
	yellow	**EMT (23X4)R YE**	**0817374**	1
Lettering field size: 24 x 4 mm, 5000 labels p. roll	white	**EMT (24X4)R**	**0816265**	1
Lettering field size: 25 x 6 mm, 5000 labels p. roll	white	**EMT (25X6)R**	**0817264**	1
Lettering field size: 29 x 8 mm, 5400 labels p. roll	white	**EMT (29X8)R**	**0817277**	1
	yellow	**EMT (29X8)R YE**	**0817280**	1
Lettering field size: 40 x 17 mm, 2300 labels p. roll	white	**EMT (40X17)R**	**0817293**	1
Lettering field size: 60 x 15 mm, 2500 labels p. roll	white	**EMT (60X15)R**	**0801846**	10
Insert strips, for PATG/PATO, perforated, DIN A4 sheet, lettering field size: 15 x 4 mm, 1 sheet = 360 labels	white	**PABL 15X4**	**0808260**	10
Insert strips, labeled acc. to customer specifications[1] Lettering field size: 10 x 4 mm, 6 labels p. strip	white	**EMT (10X4)R CUS**	**0824374**	1
Lettering field size: 15 x 4 mm, 6 labels p. strip	white	**EMT (15X4)R CUS**	**0824375**	1
	red	**EMT (15X4)R RD CUS**	**0824377**	1
	yellow	**EMT (15X4)R YE CUS**	**0824378**	1
	blue	**EMT (15X4)R BU CUS**	**0824376**	1
Lettering field size: 23 x 4 mm, 4 labels p. strip	white	**EMT (23X4)R CUS**	**0824379**	1
	yellow	**EMT (23X4)R YE CUS**	**0824380**	1
Lettering field size: 24 x 4 mm, 4 labels p. strip	white	**EMT (24X4)R CUS**	**0824381**	1
Lettering field size: 25 x 6 mm, 4 labels p. strip	white	**EMT (25X6)R CUS**	**0824382**	1
Lettering field size: 29 x 8 mm, 3 labels p. strip	white	**EMT (29X8)R CUS**	**0824383**	1
	yellow	**EMT (29X8)R YE CUS**	**0824384**	1
Lettering field size: 40 x 17 mm, 3 labels p. strip	white	**EMT (40X17)R CUS**	**0824385**	1
Lettering field size: 60 x 15 mm, 1 label p. strip	white	**EMT (60X15)R CUS**	**0801998**	1
Insert strips, for PATG/PATO, perforated, **labeled acc. to customer specifications**[1]	white	**PABL 15X4 CUS**	**0824449**	1

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 224.
- 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
- Labeling service: Phoenix Contact can custom-label all conductor markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU

For PATG ... and PATO... marker carriers

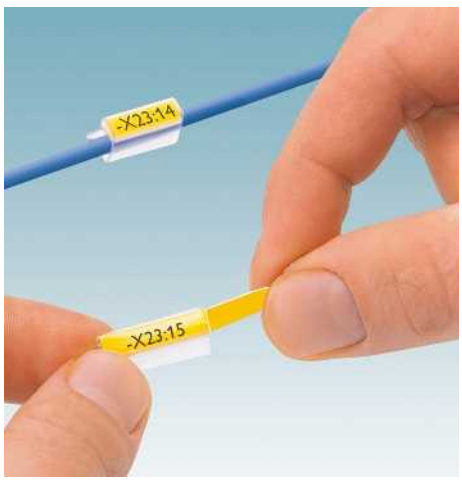
N

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK S1.1 • THERMOMARK X1.1 • THERMOMARK X1.2
Material		Polyolefine
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		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
Insertable conductor marking, labeled according to customer specifications[1])				
Lettering field size: 10 x 4 mm, 1 label per strip	white	**WMTW (10X4)R CUS**	**0831008**	1
Lettering field size: 10 x 4 mm, 1 label per strip	yellow	**WMTW (10X4)R YE CUS**	**0831009**	1
Lettering field size: 15 x 4 mm, 1 label per strip	white	**WMTW (15X4)R CUS**	**0831010**	1
Lettering field size: 15 x 4 mm, 1 label per strip	yellow	**WMTW (15X4)R YE CUS**	**0831011**	1
Lettering field size: 23 x 4 mm, 1 label per strip	white	**WMTW (23X4)R CUS**	**0831007**	1
Lettering field size: 23 x 4 mm, 1 label per strip	yellow	**WMTW (23X4)R YE CUS**	**0831006**	1

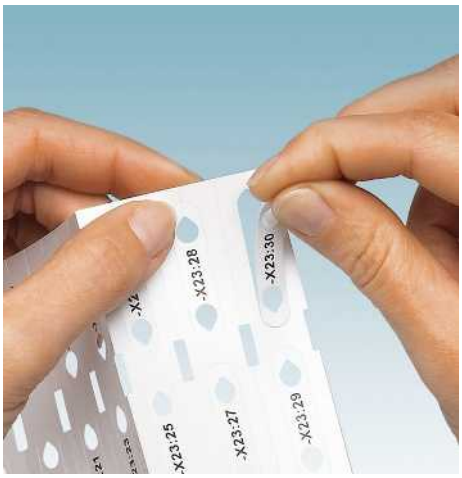


Slide-on conductor marking

Can be printed with:

Thermal transfer for rolls

Marker for conductor diameters from 1.0 to 8.4 mm



- 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 labeling and easy handling
- High-quality labeling image created by thermal transfer printing
- Special packaging protects the conductor markers against external influences, dust, and dirt
- Labeling service: Phoenix Contact can custom-label all conductor markers in accordance with your requirements

Notes:

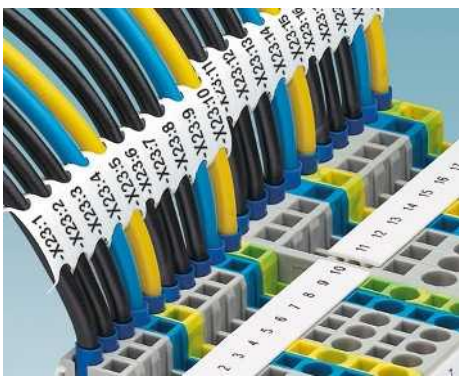
[1]) For ordering example, see page 359.

Technical data

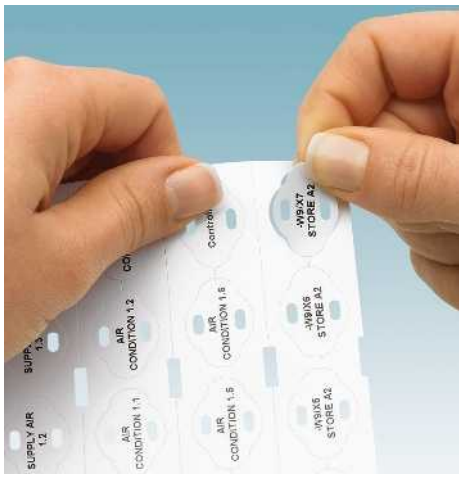
General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Number of individual labels		4000
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Slide-on conductor markers, 1 roll = 4000 conductor markers				
Lettering field size: 15 x 4 mm, conductor diameter: 1.0 - 2.4 mm	white	**WMT 2,4 (15X4)R**	**0816281**	1
Lettering field size: 15 x 5 mm, conductor diameter: 2.0 - 3.5 mm	white	**WMT 3,5 (15X5)R**	**0817222**	1
Lettering field size: 15 x 6 mm, conductor diameter: 3.0 - 4.2 mm	white	**WMT 4,2 (15X6)R**	**0817235**	1
Lettering field size: 15 x 8 mm, conductor diameter: 4.0 - 5.5 mm	white	**WMT 5,5 (15X8)R**	**0817248**	1
Lettering field size: 17 x 10 mm, conductor diameter: 5.0 - 8.4 mm	white	**WMT 8,4 (17X10)R**	**0817251**	1
Conductor marker for threading, labeled as per customer specifications[1])				
Lettering field size: 15 x 4 mm, conductor diameter: 1.0 - 2.4 mm, 3 labels p. strip	white	**WMT 2,4 (15X4)R CUS**	**0824927**	1
Lettering field size: 15 x 5 mm, conductor diameter: 2.0 - 3.5 mm, 3 labels p. strip	white	**WMT 3,5 (15X5)R CUS**	**0824928**	1
Lettering field size: 15 x 6 mm, conductor diameter: 3.0 - 4.2 mm, 2 labels p. strip	white	**WMT 4,2 (15X6)R CUS**	**0824929**	1
Lettering field size: 15 x 8 mm, conductor diameter: 4.0 - 5.5 mm, 2 labels p. strip	white	**WMT 5,5 (15X8)R CUS**	**0824930**	1
Lettering field size: 17 x 10 mm, conductor diameter: 5.0 - 8.4 mm, 2 labels p. strip	white	**WMT 8,4 (17X10)R CUS**	**0824931**	1



Conductor marking for assembly with cable binders



- 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
- Labeling service: Phoenix Contact can custom-label all conductor markers in accordance with your requirements

Notes:

For corresponding cable binders, see page 574 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

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Marker for conductor diameters of 6 mm and above

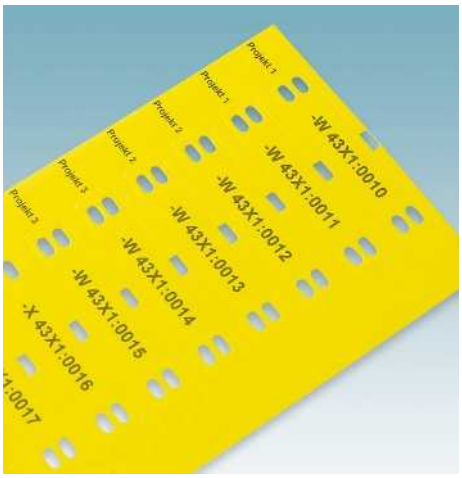
Technical data

General data		
Can be printed with:		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.
Cable markers for assembly with cable binders				
Lettering field size: 24 x 8 mm (max. cable binder width: 5 mm), 4000 cable markers p. roll	white	**WMTB (24X8)R**	**0816278**	1
Lettering field size: 35 x 15 mm (max. cable binder width: 5 mm), 1700 cable markers p. roll	white	**WMTB (35X15)R**	**0817316**	1
Cable marker for assembly with cable binders, labeled according to customer specifications[1])				
Lettering field size: 24 x 8 mm (max. cable binder width: 5 mm), 4 labels p. strip	white	**WMTB (24X8)R CUS**	**0824932**	1
Lettering field size: 35 x 15 mm (max. cable binder width: 5 mm), 2 labels p. strip	white	**WMTB (35X15)R CUS**	**0824933**	1

Conductor marking for assembly with cable binders



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 labeling, 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
- Labeling service: Phoenix Contact can custom-label all conductor markers in accordance with your requirements

Notes:

For corresponding cable binders, see page 574 onwards.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

Marker for conductor diameters of 6 mm and above

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		PUR
Inflammability class according to UL 94		V0
Temperature range	[°C]	-25 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable markers for assembly with cable binders, maximum cable binder width: 5 mm				
1000 markers per roll, lettering field size: 40 x 12 mm	white	**WMTB HF (40X12)R**	**0830407**	1
	yellow	**WMTB HF (40X12)R YE**	**0830408**	1
1000 markers per roll, lettering field size: 55 x 15 mm	white	**WMTB HF (55X15)R**	**0830409**	1
	yellow	**WMTB HF (55X15)R YE**	**0830410**	1
500 markers per roll, lettering field size: 55 x 25 mm	white	**WMTB HF (55X25)R**	**0830411**	1
	yellow	**WMTB HF (55X25)R YE**	**0830412**	1
Cable markers for assembly with cable binders, labeled according to customer specifications, 1 marker per strip, lettering field size: 40 x 12 mm[1])	white	**WMTB HF (40X12)R CUS**	**0830413**	1
	yellow	**WMTB HF (40X12)R YE CUS**	**0830414**	1
1 marker per strip, lettering field size: 55 x 15 mm	white	**WMTB HF (55X15)R CUS**	**0830415**	1
	yellow	**WMTB HF (55X15)R YE CUS**	**0830416**	1
1 marker per strip, lettering field size: 55 x 25 mm	white	**WMTB HF (55X25)R CUS**	**0830417**	1
	yellow	**WMTB HF (55X25)R YE CUS**	**0830418**	1

Accessories

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

Conductor marker carriers for assembly with cable binders, for labels with laminated protective foil

- The WM−CARRIER /B... conductor marker carriers consist of a labeling field for labels and a transparent, self-adhesive laminated protective foil
- The protective foil provides permanent protection against contamination and abrasion
- High-quality labeling 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
- Labeling service: Phoenix Contact can custom-label all cable marker labels in accordance with your requirements

Notes:

For corresponding cable binders, see page 574 onwards.

[1]) For ordering example, see page 359.

For conductor diameters from 6 mm

Technical data

General data	
Material	PVC/polyester
Temperature range [°C]	-10 ... 60
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marker carriers, maximum cable binder width: 5 mm				
Lettering field size: 48 x 10 mm	transparent	**WM-CARRIER/B (48X10)LPR**	**0830423**	100
Lettering field size: 55 x 15 mm	transparent	**WM-CARRIER/B (55X15)LPR**	**0830424**	100
Lettering field size: 85 x 15 mm	transparent	**WM-CARRIER/B (85X15)LPR**	**0830425**	100

Accessories

Labels				
2500 labels per roll	white	**EML (40X6)R**	**0830481**	1
	yellow	**EML (40X6)R YE**	**0830482**	1
2500 labels per roll	white	**EML (50X10)R**	**0830483**	1
	yellow	**EML (50X10)R YE**	**0830484**	1
2500 labels per roll	white	**EML (75X10)R**	**0830485**	1
	yellow	**EML (75X10)R YE**	**0830486**	1
Labels, labeled according to customer requirements[1])				
2 labels per strip	white	**EML (40X6)R CUS**	**0830487**	1
	yellow	**EML (40X6)R YE CUS**	**0830488**	1
1 label per strip	white	**EML (50X10)R CUS**	**0830489**	1
	yellow	**EML (50X10)R YE CUS**	**0830490**	1
1 label per strip	white	**EML (75X10)R CUS**	**0830491**	1
	yellow	**EML (75X10)R YE CUS**	**0830492**	1

Plastic cable marker for insert labels, for assembly with cable binders

N

Notes:

For corresponding cable binders, see page 574 onwards.

25 x 6 mm marker

- 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
- Labeling service: Phoenix Contact can custom-label all insert labels for plastic cable markers in accordance with your requirements

Technical data

General data		
Material		Polyethylene
Temperature range	[°C]	-40 ... 80
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plastic cable markers for insert labels, with eyelets for fastening with cable binders Lettering field size: 25 x 6 mm	transparent	**KMK 1**	**0830745**	100
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			

Accessories

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	**ESL (25X6)**	**0801849**	10
Insert labels for thermal transfer printers Lettering field size: 25 x 6 mm, 5000 labels per roll Lettering field size: 29 x 8 mm, 5400 labels p. roll Lettering field size: 40 x 17 mm, 2300 labels p. roll Lettering field size: 60 x 15 mm, 2500 labels per roll	**EMT (25X6)R**	**0817264**	1
UniSheet, 0.5 mm thick 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	**US-EMP (25X6)-1**	**0802754**	10

29 x 8 mm markers

40 x 17 mm markers

60 x 15 mm markers

Technical data

Polyethylene
-40 ... 80
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
KMK 2	1005266	100

Accessories

ESL 29X 8	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	10
US-EMP (60X15)	0828781	10

Plastic cable marker for insert labels, for assembly with cable binders

Notes:

For corresponding cable binders, see page 574 onwards.

For insert labels measuring 29 x 8 mm

- Plastic cable markers for marking and bundling multiple conductors and cables indoors
- The printed insert label is protected from dirt by the sealing cap
- Labeling service: Phoenix Contact can custom-label all insert labels for plastic cable markers in accordance with your requirements

Technical data

General data		
Material		Polyethylene
Temperature range	[°C]	-40 ... 80
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plastic cable markers for insert labels, with cable binders with a pointed end, can be labeled with ESL..., EMT... or US-EMP... insert labels, diameter: 10 ... 25 mm, lettering field size: 29 x 8 mm	transparent	**KMK**	**1005208**	100
Plastic cable markers for insert labels, with cable binders with a pointed end, can be labeled 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 labeled with EST or ESL, diameter of 1 - 12 mm, lettering field size: 24 x 4 mm	white			
Cable and conductor markers for labels, lettering field size: 20 x 8 mm	white			

Accessories

Insert strips for laser printers, DIN A4, perforated			
Lettering field size: 29 x 8 mm, 1 sheet = 174 labels	**ESL 29X 8**	**0808257**	10
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 p. roll	**EMT (29X8)R**	**0817277**	1
Lettering field size: 40 x 17 mm, 2300 labels p. 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	**US-EMP (29X8)**	**0829436**	10
Textile label, lettering field size: 20 x 8 mm 2500 labels p. roll 2500 labels p. roll			

For insert labels measuring 40 x 17 mm

**For insert labels,
12 mm conductor diameter**

**For adhesive labels,
conductor diameter of up to 20 mm**

Technical data

Polyethylene
-40 ... 80
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
KMK 3	**1005211**	50

Accessories

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

Technical data

PA
-40 ... 100
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
LM	**1004377**	100

Accessories

ESL 24X 4	**0808231**	10
EMT (24X4)R	**0816265**	1

Technical data

PA
-40 ... 100
free from silicone and halogen

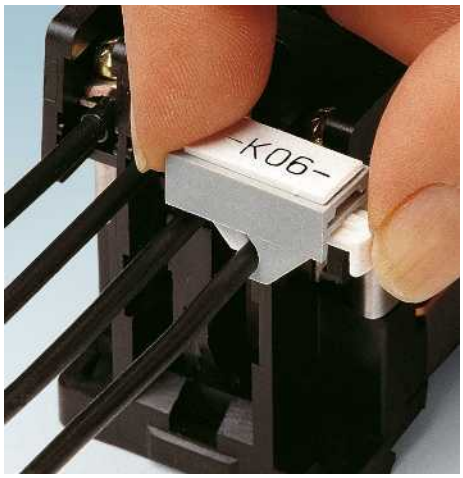
Ordering data

Type	Order No.	Pcs. / Pkt.
KME	**0807083**	50

Accessories

EMLC (20X8)R	**0815680**	1
EML (20X8)R	**0816786**	1

GKM ... conductor markers



- The GKM ... conductor markers support large-surface conductor labeling
- Flexible application, thanks to spring-loaded conductor attachment
- Particularly suitable for temporary labeling
- Quick and easy to use

Conductor diameter from 0 to 5.2 mm

Technical data

General data		
Material		PA/ABS
Temperature range	[°C]	-40 ... 80
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor 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, labeling with X-PEN, M-PEN, plotter or BKMT 20 x 8 label				
Lettering field size: 20 x 8 mm	white	**SS-ZB WH**	**5031171**	50
Lettering field size: 20 x 8 mm	yellow	**SS-ZB YE**	**5031650**	50
UniCard, for labeling 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 keys for SD-WMTBS ...

Example **0826514 SD-WMTBS (S) YE**

0826514	SD-WMTBS	(S)	YE
Order No.	**Product type**	**Printing**	**Color**
0826637	SD-WMTBS (NEUTRAL) CC	(NEUTRAL) = unprinted	CC = international color code
0826514	SD-WMTBS (S) YE	(S) = printed with numbers 0 - 9	YE = yellow
0826611: letter	SD-WMTBS (CH) YE	(CH) = letters A - Z	YE = yellow
0826624: symbol	SD-WMTBS (SY) YE	(SY) = symbols + - / . GND	YE = yellow
0826527	SD-WMTBS (NU) CC	(NU) = printed with numbers 0 - 9	CC = international color code

International color code

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
- Figure below shows: SD-WMTB (70x10) label holder in combination with WMS 6,4 (Ex10)R CUS shrink sleeve for marking cables and conductors

Notes:

The label holder is attached using cable binders; for corresponding cable binders up to 4.8 mm wide, see page 574 onwards.

[1]) For an ordering example, see page 220.

Conductor diameter > 16 mm

Technical data

General data		
Material		PVC
Inflammability class according to UL 94		V2
Temperature range	[°C]	-30 ... 60
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker[1])				
International color code, 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

Stainless steel cable marking for carrier assembly

- Cable markers for marking cables and conductors with larger cross sections
- The individual stainless steel markers are pushed onto the corresponding holders
- They are secured using stainless steel cable binders
- Easy assembly with UNIFOX-CT M7,9

Notes:

For further stainless steel cable binders, see page 580.

[1]) For ordering example, see page 220.

Stainless steel marker with carrier

Technical data

General data	
Material	Stainless steel

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker[1])				
unprinted	silver	**SD-WMTBS (NEUTRAL) VA**	**0826666**	50
printed: with numbers 0-9	silver	**SD-WMTBS (NU) VA**	**0826556**	50
printed: with upper case letters A-Z	silver	**SD-WMTBS (CH) VA**	**0826640**	50
printed: with symbols + - / . GND	silver	**SD-WMTBS (SY) VA**	**0826653**	50
Label holder				
For max. 6 characters	silver	**SD-WMTB (30X10) VA**	**0826569**	50
For max. 9 characters	silver	**SD-WMTB (47X10) VA**	**0826572**	50
For max. 13 characters	silver	**SD-WMTB (70X10) VA**	**0826585**	50
For max. 17 characters	silver	**SD-WMTB (92X10) VA**	**0826598**	50
For max. 20 characters	silver	**SD-WMTB (111X10) VA**	**0826608**	50

Accessories

Cable 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
50 / 890	silver	**WT-STEEL S 4,6X201**	**3240808**	100

Stainless steel cable marking for embossing or laser engraving

- Cable markers for marking cables and conductors with larger cross sections
- The individual stainless steel markers are pushed onto the corresponding holders
- They are secured using stainless steel cable binders
- Easy assembly with UNIFOX-CT M7,9

Notes:

For further stainless steel cable binders, see page 580.

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Stainless steel plate

Technical data

General data	
Material	Stainless steel

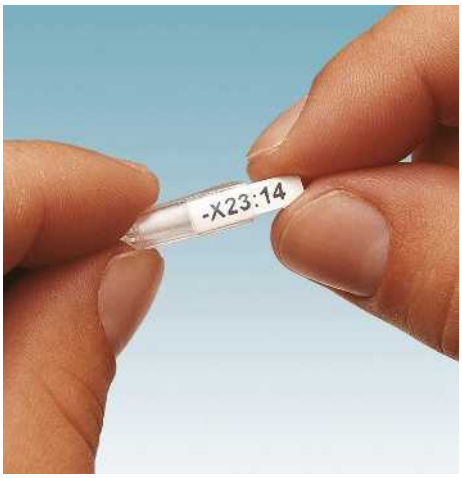
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Steel cable markers, rustproof, non-magnetic, label size: 89 x 19 mm, lettering field size: 65 x 19 mm				
	silver	**KMV**	**0806644**	100
Lased acc. to customer specifications	silver	**KMV CUS**	**0828493**	1
Steel cable markers, rustproof, non-magnetic, label size: 44 x 9.6 mm, lettering field size: 23 x 9 mm				
	silver	**KMV 44X9,6**	**0812007**	100
Lased acc. to customer specifications	silver	**KMV 44X9,6 CUS**	**0828494**	1

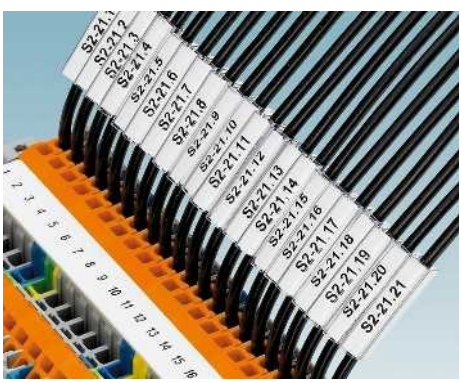
Accessories

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 collars for insert labels



- 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
- Marking is performed using the matching UC-WMT ..., US-WMT ..., and EMT ...insert labels



Closed marker carrier, for sliding on

Technical data

General data		
Material		PVC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-50 ... 80
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Wire marker carrier, closed, **10 mm** wide				
Conductor diameter: 0.6-1.2 mm	transparent	**PATG 0/10**	**1013795**	1000
Conductor diameter: 1.5-2.5 mm	transparent	**PATG 1/10**	**1013805**	1000
Conductor 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
Wire marker carrier, closed, **15 mm** wide				
Conductor diameter: 0.6-1.2 mm	transparent	**PATG 0/15**	**1013740**	1000
Conductor diameter: 1.5-2.5 mm	transparent	**PATG 1/15**	**1013025**	1000
Conductor 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**	**0828059**	200
Conductor cross section: 14.0-22.0 mm	transparent	**PATG 6/18**	**0828062**	200
Wire marker carrier, closed, **23 mm** wide				
Conductor diameter: 0.6-1.2 mm	transparent	**PATG 0/23**	**0828046**	1000
Conductor diameter: 1.5-2.5 mm	transparent	**PATG 1/23**	**1013847**	1000
Conductor 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
Wire 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 labeled using UC-WMT ..., US-WMT ... plastic labels or EMT ... insert strips

PATO ...

– These marking collars are used for subsequent labeling of systems that have already been wired

PAB-KTL ...

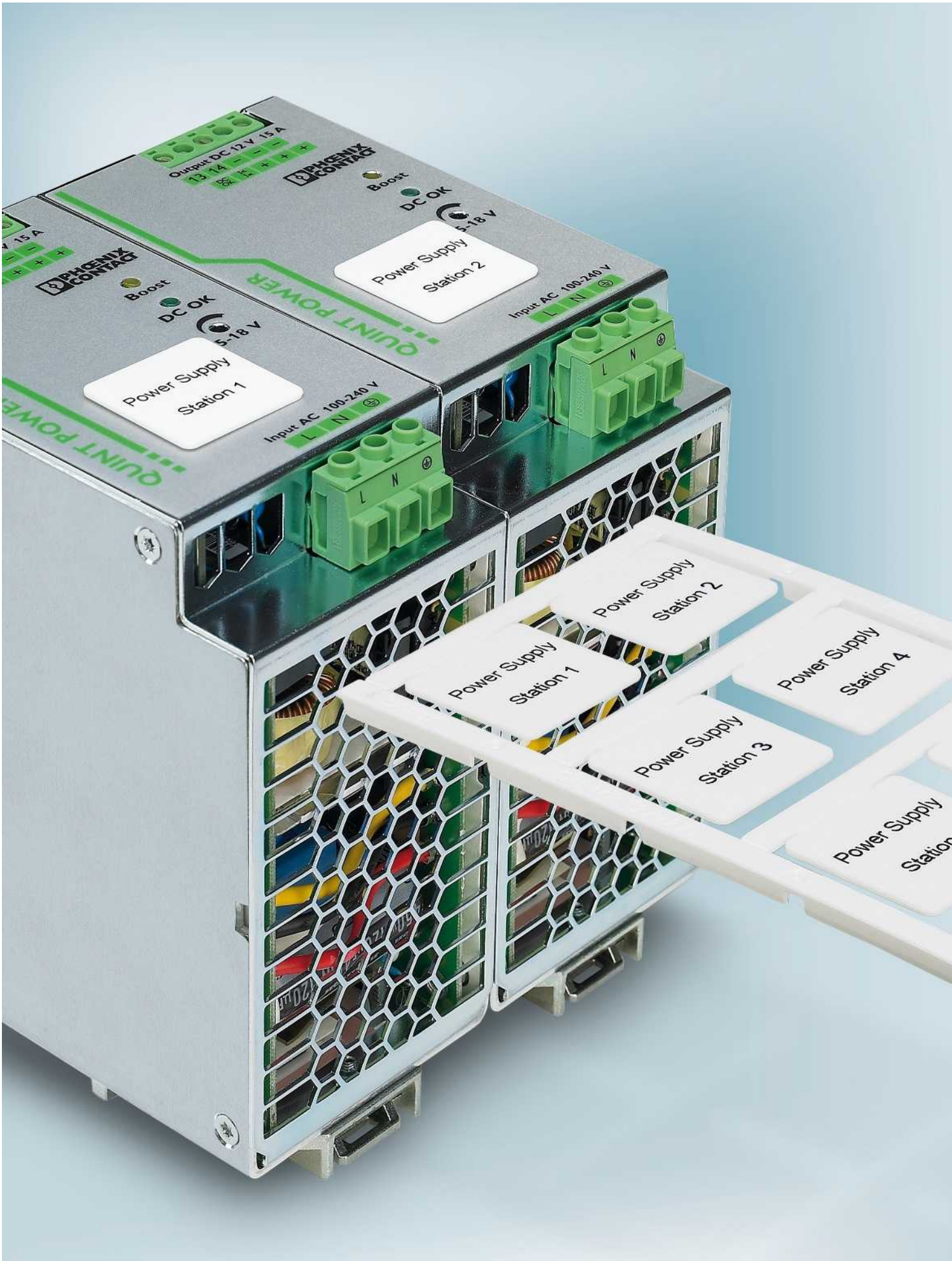
– Marking collars for identifying and bundling conductors

Open marker carrier, for clipping on

For assembly with cable binders

		Technical data	Technical data
General 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		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Wire 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			
Wire 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			
Wire 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			
Wire 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, labeling with UC-WMT and PABA...., lettering field: 30 x 4 mm, is secured with PKB cable binder							
	transparent				**PAB-KTL**	**1013261**	200
Lettering field size: 23 x 4 mm, labeling with UC-WMT and PABA.../23	transparent				**PAB-KTL 23**	**1013957**	200
Plastic cable marker for PKE insert label, can be labeled with PKE insert label, labeling field: 9 mm x 20 mm, with eyelets for fastening to PKB cable binder							
	transparent				**PKT 9X20**	**0803977**	240


Output DC 12 V 15 A
13 14
PHOENIX CONTACT
Boost
DC OK
5-18 V
Power Supply
Station 2
Input AC 100-240 V
L N
QUINT POWER
Power Supply
Station 1
Power Supply
Station 4
Power Supply
Station 3

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 offers 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 labeling or engraving.

Product range overview

Device marking **228**

EM... AL aluminum device marking

Designed to be stuck on, screwed in or riveted or snapped into marker carriers **231**

UniCard UC-EM... and UCT-EM... device marking

Designed to be stuck on, screwed in or riveted or snapped into marker carriers **234**

Snap-in, for devices from Phoenix Contact and other manufacturers **246**

UniSheet US-EM... device marking

Designed to be stuck on, screwed in or riveted or snapped into marker carriers, labels, and combi labels **258**

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 **270**

Insert strips for devices from Phoenix Contact and other manufacturers **290**

BMK... device marking, labels supplied as DIN A sheets **292**

GPE... and EMLP... device marking, markers for printing or engraving **294**

Marker carriers and profiles **296**

Device marking overview

The right marking solution for every device

Phoenix Contact **302**

Other manufacturers **304**

Ordering example for labeling service - printed for you **359**

Device marking

Explicit marking of electrical and electronic control cabinet components is essential for safe and efficient work. As with comprehensive technical documentation, labeling 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 offers a wide range of labels and tags. Depending on the type, they can be labeled using BLUEMARK, thermal transfer printers, the plotter, engraving devices, commercially available desktop laser printers or by hand.

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 offers a comprehensive engraving and labeling service for device marking applications. Test us out!

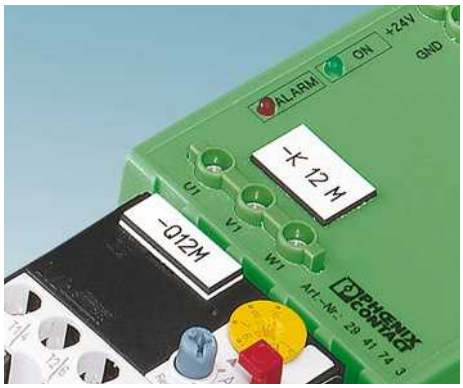
Device markers are available in various sizes, materials, and colors. The self-adhesive labels have been designed for use in a wide temperature range.

Drilled labels are available for marking devices and control cabinets. These can be securely attached to the device using screws or rivets.

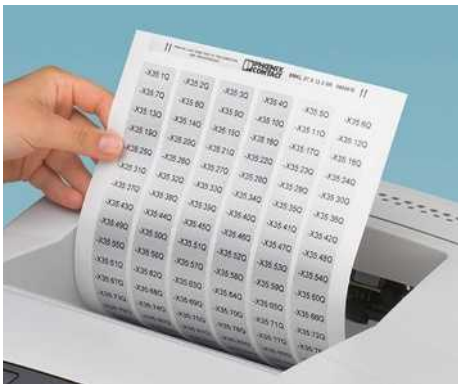
The CARRIER labeling system is the perfect choice for labeling buttons. It consists of a carrier plus marking label and can be used in control cabinets as well as in the field.

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 labeled 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 labeling devices and modules. The carriers can be stuck onto all standard surfaces.

Stick-on aluminum device marking

– The aluminum EMLP-AL… product range includes self-adhesive device markers with a high adhesive strength and is characterized by the following:
– The markers can be labeled quickly, easily, and cost-effectively with the BLUEMARK CLED
– Labeling service: Phoenix Contact can custom-label 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

– 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

Can be printed with:

UV

UV LED technology

General data
Can be printed with:
Material
Wipe resistance

Description	Color
Marking label, aluminum, self-adhesive, 0.8 mm thick	
Lettering field size: 27 x 15 mm	silver
Lettering field size: 27 x 18 mm	silver
Lettering field size: 49 x 15 mm	silver
Lettering field size: 60 x 15 mm	silver
Lettering field size: 60 x 30 mm	silver
Lettering field size: 85.6 x 54 mm	silver
Lettering field size: 100 x 60 mm	silver
Marking label, aluminum, self-adhesive, 0.8 mm thick, **labeled according to customer specifications**[1])	
Lettering field size: 27 x 15 mm	silver
Lettering field size: 27 x 18 mm	silver
Lettering field size: 49 x 15 mm	silver
Lettering field size: 60 x 15 mm	silver
Lettering field size: 60 x 30 mm	silver
Lettering field size: 85.6 x 54 mm	silver
Lettering field size: 100 x 60 mm	silver

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), EMSP-AL (50X30)
for accommodating EMP-AL (85,6X54), EMLP-AL (85,6X54), EMSP-AL (75,6X54)
for accommodating EMLP-AL (100X60), EMSP-AL (90X60)

Notes:

[1]) For ordering example, see page 359.

N

PRINTED FOR YOU

Unlabeled

N

Labeled according to customer specifications

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

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
EMLP-AL (27X15) CUS	**0830516**	1
EMLP-AL (27X18) CUS	**0830517**	1
EMLP-AL (49X15) CUS	**0830519**	1
EMLP-AL (60X15) CUS	**0830520**	1
EMLP-AL (60X30) CUS	**0830521**	1
EMLP-AL (85,6X54) CUS	**0830522**	1
EMLP-AL (100X60) CUS	**0830523**	1

Accessories

Aluminum device marking for screwing or riveting

- The aluminum EMSP-AL… product range includes markers that can be quickly and easily fitted with screws or rivets and is characterized by the following:
- High-quality appearance
- The markers can be labeled 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
- Labeling service: Phoenix Contact can custom-label 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 370.

For drilling diagrams, visit www.phoenixcontact.net/products.

[1]) For ordering example, see page 359.

Can be printed with:

UV

UV LED technology

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

N

Technical data

General data	
Can be printed with:	BLUEMARK CLED
Material	Aluminum
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marking label, aluminum, 0.8 mm thick, with mounting holes 3.2 mm in diameter				
Lettering field size: 39 x 15 mm	aluminum	**EMSP-AL (39X15)**	**0830510**	45
Lettering field size: 50 x 15 mm	aluminum	**EMSP-AL (50X15)**	**0830773**	45
Lettering field size: 50 x 30 mm	aluminum	**EMSP-AL (50X30)**	**0830502**	45
Lettering field size: 75.6 x 54 mm	aluminum	**EMSP-AL (75,6X54)**	**0830503**	15
Lettering field size: 90 x 60 mm	aluminum	**EMSP-AL (90X60)**	**0830504**	15
Marking label, aluminum, 0.8 mm thick, with mounting holes 3.2 mm in diameter, **labeled according to customer specifications**[1])				
Lettering field size: 39 x 15 mm	aluminum	**EMSP-AL (39X15) CUS**	**0830518**	1
Lettering field size: 50 x 15 mm	aluminum	**EMSP-AL (50X15) CUS**	**0830775**	1
Lettering field size: 50 x 30 mm	aluminum	**EMSP-AL (50X30) CUS**	**0830505**	1
Lettering field size: 75.6 x 54 mm	aluminum	**EMSP-AL (75,6X54) CUS**	**0830506**	1
Lettering field size: 90 x 60 mm	aluminum	**EMSP-AL (90X60) CUS**	**0830507**	1

Accessories

Magazine, for BLUEMARK CLED			
for accommodating EMP-AL (27X15), EMLP-AL (27X15)	**BLUEMARK MAG EM-M (27X15)**	**0802736**	1
for accommodating EMP-AL (27X18), EMLP-AL (27X18)	**BLUEMARK MAG EM-M (27X18)**	**0802737**	1
for accommodating EMP-AL (49X15), EMLP-AL (49X15), EMSP-AL (39X15)	**BLUEMARK MAG EM-M (49X15)**	**0802738**	1
for accommodating EMP-AL (60X15), EMLP-AL (60X15), EMSP-AL (50X15)	**BLUEMARK MAG EM-M (60X15)**	**0802739**	1
for accommodating EMP-AL (60X30), EMLP-AL (60X30), EMSP-AL (50X30)	**BLUEMARK MAG EM-M (60X30)**	**0802740**	1
for accommodating EMP-AL (85,6X54), EMLP-AL (85,6X54), EMSP-AL (75,6X54)	**BLUEMARK MAG EM-M (85,6X54)**	**0802741**	1
for accommodating EMLP-AL (100X60), EMSP-AL (90X60)	**BLUEMARK MAG EM-M (100X60)**	**0802742**	1

Aluminum device marking for snapping into marker carriers

N

Can be printed with:

UV

UV LED technology

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

- 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 following:
- The markers can be labeled 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
- Labeling service: Phoenix Contact can custom-label all EMLP ... markers according to your requirements

Notes:

[1]) For ordering example, see page 359.

Technical data

General data	
Can be printed with:	BLUEMARK CLED
Material	Aluminum
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marking label, aluminum, 0.8 mm thick, can be snapped into marker carriers				
Lettering field size: 27 x 15 mm	aluminum	**EMP-AL (27X15)**	**0830776**	90
Lettering field size: 27 x 18 mm	aluminum	**EMP-AL (27X18)**	**0830777**	90
Lettering field size: 49 x 15 mm	aluminum	**EMP-AL (49X15)**	**0830778**	45
Lettering field size: 60 x 15 mm	aluminum	**EMP-AL (60X15)**	**0830779**	45
Lettering field size: 60 x 30 mm	aluminum	**EMP-AL (60X30)**	**0830796**	45
Lettering field size: 85.6 x 54 mm	aluminum	**EMP-AL (85,6X54)**	**0830797**	15
Marking label, aluminum, 0.8 mm thick, can be snapped into marker carriers, **labeled according to customer specifications**[1])				
Lettering field size: 27 x 15 mm	aluminum	**EMP-AL (27X15) CUS**	**0830798**	1
Lettering field size: 27 x 18 mm	aluminum	**EMP-AL (27X18) CUS**	**0830799**	1
Lettering field size: 49 x 15 mm	aluminum	**EMP-AL (49X15) CUS**	**0830800**	1
Lettering field size: 60 x 15 mm	aluminum	**EMP-AL (60X15) CUS**	**0830801**	1
Lettering field size: 60 x 30 mm	aluminum	**EMP-AL (60X30) CUS**	**0830802**	1
Lettering field size: 85.6 x 54 mm	aluminum	**EMP-AL (85,6X54) CUS**	**0830803**	1

Accessories

Magazine, for BLUEMARK CLED			
for accommodating EMP-AL (27X15), EMLP-AL (27X15)	**BLUEMARK MAG EM-M (27X15)**	**0802736**	1
for accommodating EMP-AL (27X18), EMLP-AL (27X18)	**BLUEMARK MAG EM-M (27X18)**	**0802737**	1
for accommodating EMP-AL (49X15), EMLP-AL (49X15), EMSP-AL (39X15)	**BLUEMARK MAG EM-M (49X15)**	**0802738**	1
for accommodating EMP-AL (60X15), EMLP-AL (60X15), EMSP-AL (50X15)	**BLUEMARK MAG EM-M (60X15)**	**0802739**	1
for accommodating EMP-AL (60X30), EMLP-AL (60X30), EMSP-AL (50X30)	**BLUEMARK MAG EM-M (60X30)**	**0802740**	1
for accommodating EMP-AL (85,6X54), EMLP-AL (85,6X54), EMSP-AL (75,6X54)	**BLUEMARK MAG EM-M (85,6X54)**	**0802741**	1
for accommodating EMLP-AL (100X60), EMSP-AL (90X60)	**BLUEMARK MAG EM-M (100X60)**	**0802742**	1

UniCard stick-on device marking

Can be printed with:

UV LED technology

Plotter

Unlabeled

- The UC-EMLP ... UniCard labeling range includes self-adhesive device markers with good adhesive properties
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- 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 for including function texts

Technical data

General data		
Can be printed with:		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, with self-adhesive plastic labels				
10-section, lettering field size: 11 x 9 mm	white	**UC-EMLP (11X9)**	**0819291**	10
	yellow	**UC-EMLP (11X9) YE**	**0822602**	10
	silver	**UC-EMLP (11X9) SR**	**0828094**	10
10-section, lettering field size: 15 x 5 mm	white	**UC-EMLP (15X5)**	**0819301**	10
	yellow	**UC-EMLP (15X5) YE**	**0822615**	10
	silver	**UC-EMLP (15X5) SR**	**0828095**	10
10-section, lettering field size: 17 x 9 mm	white	**UC-EMLP (17X9)**	**0819314**	10
	yellow	**UC-EMLP (17X9) YE**	**0822628**	10
	silver	**UC-EMLP (17X9) SR**	**0828096**	10
10-section, lettering field size: 17 x 15 mm	white	**UC-EMLP (17X15)**	**0827885**	10
	yellow	**UC-EMLP (17X15) YE**	**0827886**	10
	silver	**UC-EMLP (17X15) SR**	**0827887**	10
10-section, lettering field size: 20 x 8 mm	white	**UC-EMLP (20X8)**	**0819327**	10
	yellow	**UC-EMLP (20X8) YE**	**0822631**	10
	silver	**UC-EMLP (20X8) SR**	**0828097**	10
6-section, lettering field size: 22 x 22 mm	white	**UC-EMLP (22X22)**	**0825463**	10
	yellow	**UC-EMLP (22X22) YE**	**0825464**	10
	silver	**UC-EMLP (22X22) SR**	**0825465**	10
8-section, lettering field size: 27 x 12.5 mm	white	**UC-EMLP (27X12,5)**	**0825469**	10
	yellow	**UC-EMLP (27X12,5) YE**	**0825470**	10
	silver	**UC-EMLP (27X12,5) SR**	**0825471**	10
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
	yellow	**UC-EMLP (49X15) YE**	**0827904**	10
	silver	**UC-EMLP (49X15) SR**	**0827905**	10
4-section, lettering field size: 60 x 15 mm	white	**UC-EMLP (60X15)**	**0819330**	10
	yellow	**UC-EMLP (60X15) YE**	**0822644**	10
	silver	**UC-EMLP (60X15) SR**	**0828088**	10
3-section, lettering field size: 60 x 30 mm	white	**UC-EMLP (60X30)**	**0819343**	10
	yellow	**UC-EMLP (60X30) YE**	**0822657**	10
	silver	**UC-EMLP (60X30) SR**	**0828091**	10

Accessories

Description	Type	Order No.	Pcs. / Pkt.
Magazine, for CMS-P1-PLOTTER	**P1 UC-MAG 6**	**5146121**	1

UniCard stick-on device marking

– All UC-EMLP ... self-adhesive device markers can also be supplied labeled according to customer requirements

Notes:

[1]) For ordering example, see page 359.

Labeled according to customer specifications

Technical data

General data		
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, with self-adhesive plastic labels, **labeled according to customer specifications**[1])				
10-section, lettering field size: 11 x 9 mm	white	**UC-EMLP (11X9) CUS**	**0824547**	1
	yellow	**UC-EMLP (11X9) YE CUS**	**0824548**	1
	silver	**UC-EMLP (11X9) SR CUS**	**0828098**	1
10-section, lettering field size: 15 x 5 mm	white	**UC-EMLP (15X5) CUS**	**0824550**	1
	yellow	**UC-EMLP (15X5) YE CUS**	**0824551**	1
	silver	**UC-EMLP (15X5) SR CUS**	**0828099**	1
10-section, lettering field size: 17 x 9 mm	white	**UC-EMLP (17X9) CUS**	**0824553**	1
	yellow	**UC-EMLP (17X9) YE CUS**	**0824554**	1
	silver	**UC-EMLP (17X9) SR CUS**	**0828100**	1
10-section, lettering field size: 17 x 15 mm	white	**UC-EMLP (17X15) CUS**	**0827941**	1
	silver	**UC-EMLP (17X15) SR CUS**	**0827942**	1
	yellow	**UC-EMLP (17X15) YE CUS**	**0827943**	1
10-section, lettering field size: 20 x 8 mm	white	**UC-EMLP (20X8) CUS**	**0824556**	1
	yellow	**UC-EMLP (20X8) YE CUS**	**0824557**	1
	silver	**UC-EMLP (20X8) SR CUS**	**0828101**	1
6-section, lettering field size: 22 x 22 mm	white	**UC-EMLP (22X22) CUS**	**0826985**	1
	yellow	**UC-EMLP (22X22) YE CUS**	**0826986**	1
	silver	**UC-EMLP (22X22) SR CUS**	**0826987**	1
8-section, lettering field size: 27 x 12.5 mm	white	**UC-EMLP (27X12,5) CUS**	**0826967**	1
	yellow	**UC-EMLP (27X12,5) YE CUS**	**0826968**	1
	silver	**UC-EMLP (27X12,5) SR CUS**	**0826969**	1
8-section, lettering field size: 27 x 18 mm	white	**UC-EMLP (27X18) CUS**	**0826970**	1
	yellow	**UC-EMLP (27X18) YE CUS**	**0826971**	1
	silver	**UC-EMLP (27X18) SR CUS**	**0826972**	1
6-section, lettering field size: 27 x 27 mm	white	**UC-EMLP (27X27) CUS**	**0826973**	1
	yellow	**UC-EMLP (27X27) YE CUS**	**0826974**	1
	silver	**UC-EMLP (27X27) SR CUS**	**0826975**	1
4-section, lettering field size: 49 x 15 mm	white	**UC-EMLP (49X15) CUS**	**0827947**	1
	silver	**UC-EMLP (49X15) SR CUS**	**0827948**	1
	yellow	**UC-EMLP (49X15) YE CUS**	**0827949**	1
4-section, lettering field size: 60 x 15 mm	white	**UC-EMLP (60X15) CUS**	**0824559**	1
	yellow	**UC-EMLP (60X15) YE CUS**	**0824560**	1
	silver	**UC-EMLP (60X15) SR CUS**	**0828090**	1
3-section, lettering field size: 60 x 30 mm	white	**UC-EMLP (60X30) CUS**	**0824562**	1
	yellow	**UC-EMLP (60X30) YE CUS**	**0824563**	1
	silver	**UC-EMLP (60X30) SR CUS**	**0828093**	1

UniCard device marking for screwing or riveting

- The UC-EMSP ... UniCard labeling range includes markers that can be attached using screws or rivets
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- 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 for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

For corresponding rivets for fixing the UC–EMSP ..., see page 370.

For drilling diagrams, visit www.phoenixcontact.net/products.

[1]) For ordering example, see page 359.

Can be printed with:

UV

UV LED technology

y 1 2 3 x

Plotter

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		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, plastic labels with mounting holes 3.2 mm in diameter				
4-section, lettering field size: 50 x 15 mm	white	**UC-EMSP (50X15)**	**0828706**	10
	yellow	**UC-EMSP (50X15) YE**	**0828707**	10
	silver	**UC-EMSP (50X15) SR**	**0828708**	10
3-section, lettering field size: 50 x 30 mm	white	**UC-EMSP (50X30)**	**0828709**	10
	yellow	**UC-EMSP (50X30) YE**	**0828710**	10
	silver	**UC-EMSP (50X30) SR**	**0828711**	10
UniCard, plastic labels with mounting holes 3.2 mm in diameter, **labeled acc. to customer specifications**[1])				
4-section, lettering field size: 50 x 15 mm	white	**UC-EMSP (50X15) CUS**	**0829103**	1
	yellow	**UC-EMSP (50X15) YE CUS**	**0829104**	1
	silver	**UC-EMSP (50X15) SR CUS**	**0829105**	1
3-section, lettering field size: 50 x 30 mm	white	**UC-EMSP (50X30) CUS**	**0829106**	1
	yellow	**UC-EMSP (50X30) YE CUS**	**0829107**	1
	silver	**UC-EMSP (50X30) SR CUS**	**0829108**	1

Accessories

Magazine, for CMS-P1-PLOTTER			
	P1 UC-MAG 6	**5146121**	1

UniCard device marking that can be snapped into marker carriers

- The UC-EMP ... UniCard labeling 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 and easily using the BLUEMARK CLED
- 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 for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

For matching label frames, see page 296.

[1]) For ordering example, see page 359.

Can be printed with:

UV

UV LED technology

y 1 2 3 x

Plotter

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		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, 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
UniCard, 1.2 mm thick, **labeled acc. to customer specifications**[1])				
8-section, lettering field size: 17 x 15 mm	white	**UC-EMP (17X15) CUS**	**0827626**	1
	yellow	**UC-EMP (17X15) YE CUS**	**0827638**	1
	silver	**UC-EMP (17X15) SR CUS**	**0827649**	1
8-section, lettering field size: 27 x 15 mm	white	**UC-EMP (27X15) CUS**	**0827633**	1
	yellow	**UC-EMP (27X15) YE CUS**	**0827642**	1
	silver	**UC-EMP (27X15) SR CUS**	**0827653**	1
4-section, lettering field size: 49 x 15 mm	white	**UC-EMP (49X15) CUS**	**0827636**	1
	yellow	**UC-EMP (49X15) YE CUS**	**0827645**	1
	silver	**UC-EMP (49X15) SR CUS**	**0827656**	1
4-section, lettering field size: 60 x 15 mm	white	**UC-EMP (60X15) CUS**	**0824569**	1
	yellow	**UC-EMP (60X15) YE CUS**	**0826685**	1
	silver	**UC-EMP (60X15) SR CUS**	**0827657**	1
3-section, lettering field size: 60 x 30 mm	white	**UC-EMP (60X30) CUS**	**0824571**	1
	yellow	**UC-EMP (60X30) YE CUS**	**0826687**	1
	silver	**UC-EMP (60X30) SR CUS**	**0827658**	1

Accessories

Magazine, for CMS-P1-PLOTTER	**P1 UC-MAG 6**	**5146121**	1

UniCard device marking that can be snapped into marker carriers

- The UC-EMP ... UniCard labeling range includes markers for all applications
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- 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 for including function texts

Notes:

For matching label frames, see page 296.

Can be printed with:

UV LED technology

Plotter

Unlabeled

Technical data

General data		
Can be printed with:		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, 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

UniCard device marking that can be snapped into marker carriers

– All UC-EMP ... device markers can also be supplied labeled according to customer requirements

Notes:

[1]) For ordering example, see page 359.

PRINTED FOR YOU

Labeled according to customer specifications

Technical data

General data		
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

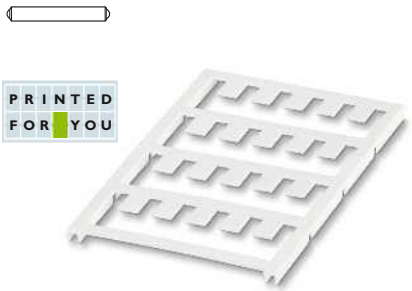
Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, 1.2 mm thick, **labeled acc. to customer specifications**[1])				
10-section, lettering field size: 27 x 8 mm	white	**UC-EMP (27X8) CUS**	**0827631**	1
	yellow	**UC-EMP (27X8) YE CUS**	**0827640**	1
	silver	**UC-EMP (27X8) SR CUS**	**0827651**	1
8-section, lettering field size: 27 x 12.5 mm	white	**UC-EMP (27X12,5) CUS**	**0827632**	1
	yellow	**UC-EMP (27X12,5) YE CUS**	**0827641**	1
	silver	**UC-EMP (27X12,5) SR CUS**	**0827652**	1
8-section, lettering field size: 27 x 15 mm	white	**UC-EMP (27X15) CUS**	**0827633**	1
	yellow	**UC-EMP (27X15) YE CUS**	**0827642**	1
	silver	**UC-EMP (27X15) SR CUS**	**0827653**	1
8-section, lettering field size: 27 x 18 mm	white	**UC-EMP (27X18) CUS**	**0827634**	1
	yellow	**UC-EMP (27X18) YE CUS**	**0827643**	1
	silver	**UC-EMP (27X18) SR CUS**	**0827654**	1
6-section, lettering field size: 27 x 27 mm	white	**UC-EMP (27X27) CUS**	**0827635**	1
	yellow	**UC-EMP (27X27) YE CUS**	**0827644**	1
	silver	**UC-EMP (27X27) SR CUS**	**0827655**	1

UniCard snap-in device marking

Can be printed with:

UV LED technology

Plotter



- The UC-EM ... UniCard labeling range includes markers for devices and swtichgear from a wide variety of manufacturers
- An overview of the devices that support labeling plus their manufacturers can be found starting on page 304
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- 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 for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Technical data

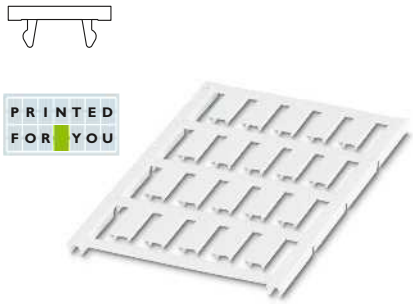
General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		20
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling devices from the following manufacturers: Siemens				
Lettering field size: 10 x 7 mm	white	**UC-EM (10X7)**	**0825487**	10
Lettering field size: 10 x 7 mm	turquoise	**UC-EM (10X7) TQ**	**0825488**	10
UniCard, for labeling 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 labeling devices from the following manufacturers: ABB, Lumberg				
Lettering field size: 17.5 x 7.5 mm	white			
UniCard, for labeling devices from the following manufacturers: ABB, ifm-electronic, Moeller, Murr Elektronik				
Lettering field size: 17.5 x 8 mm	white			
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 10 x 7 mm	white	**UC-EM (10X7) CUS**	**0827623**	1
	turquoise	**UC-EM (10X7) TQ CUS**	**0827659**	1
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 10 x 8 mm	white			
	turquoise			
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 17.5 x 7.5 mm	white			
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 17.5 x 8 mm	white			

Accessories

Magazine, for CMS-P1-PLOTTER			
	P1 UC-MAG 6	**5146121**	1



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

Type	Order No.	Pcs. / Pkt.
UC-EM (10X8)	**0825491**	10
UC-EM (10X8) TQ	**0825492**	10
UC-EM (10X8) CUS	**0827624**	1
UC-EM (10X8) TQ CUS	**0827660**	1

Accessories

P1 UC-MAG 6	**5146121**	1

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

Type	Order No.	Pcs. / Pkt.
UC-EM (17,5X7,5)	**0825495**	10
UC-EM (17,5X7,5) CUS	**0827625**	1

Accessories

P1 UC-MAG 6	**5146121**	1

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

Type	Order No.	Pcs. / Pkt.
UC-EM (17,5X8)	**0823766**	10
UC-EM (17,5X8) CUS	**0824567**	1

Accessories

P1 UC-MAG 6	**5146121**	1

UniCard snap-in device marking

- The UC-EM ... UniCard labeling range includes markers for devices and switchgear from a wide variety of manufacturers
- An overview of the devices that support labeling plus their manufacturers can be found starting on page 304
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- 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 for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

UV LED technology

Plotter

Technical data

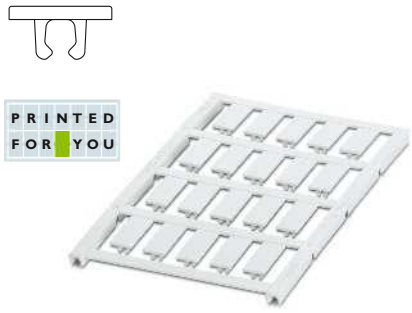
General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		20
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

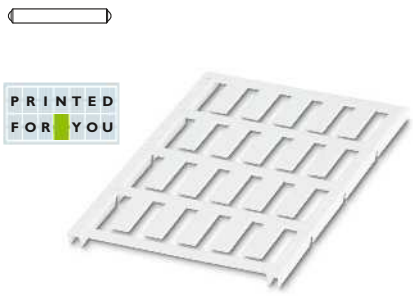
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling devices from the following manufacturers: Murr Elektronik, Phoenix Contact, Weidmüller				
Lettering field size: 17.5 x 9 mm	white	**UC-EM (17,5X9)**	**0827490**	10
	yellow	**UC-EM (17,5X9) YE**	**0827494**	10
UniCard, for labeling devices from the following manufacturers: Schneider Electric, ifm-electronic				
Lettering field size: 18 x 8 mm	white			
UniCard, for labeling devices from the following manufacturers: Lumberg, Weidmüller				
Lettering field size: 19 x 9 mm	white			
	yellow			
UniCard, for labeling devices from the following manufacturers: Harting, ifm-electronic, Phoenix Contact, Siemens				
Lettering field size: 20 x 7 mm	white			
	turquoise			
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 17.5 x 9 mm	white	**UC-EM (17,5X9) CUS**	**0828238**	1
	yellow	**UC-EM (17,5X9) YE CUS**	**0828239**	1
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 18 x 8 mm	white			1
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 19 x 9 mm	white			
	yellow			
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 20 x 7 mm	white			
	turquoise			

Accessories

Magazine, for CMS-P1-PLOTTER			
		P1 UC-MAG 6	**5146121**	1





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

Type	Order No.	Pcs. / Pkt.
UC-EM (18X8)	**0825497**	10
UC-EM (18X8) CUS	**0827627**	

Accessories

P1 UC-MAG 6	**5146121**	1

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

Type	Order No.	Pcs. / Pkt.
UC-EM (19X9)	**0827492**	10
UC-EM (19X9) YE	**0827496**	10
UC-EM (19X9) CUS	**0828240**	1
UC-EM (19X9) YE CUS	**0828241**	1

Accessories

P1 UC-MAG 6	**5146121**	1

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

Type	Order No.	Pcs. / Pkt.
UC-EM (20X7)	**0825499**	10
UC-EM (20X7) TQ	**0825500**	10
UC-EM (20X7) CUS	**0827628**	1
UC-EM (20X7) TQ CUS	**0827661**	1

Accessories

P1 UC-MAG 6	**5146121**	1

UniCard snap-in device marking

- The UC-EM ... UniCard labeling range includes markers for devices and switchgear from a wide variety of manufacturers
- An overview of the devices that support labeling plus their manufacturers can be found starting on page 304
- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK CLED
- 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 for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

UV LED technology

Plotter

Technical data

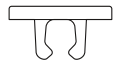
General data		
Can be printed with:		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Number of individual labels		20
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling 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 labeling devices from the following manufacturers: Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 21 x 8 mm	white			
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 20 x 9 mm	white	**UC-EM (20X9) CUS**	**0827629**	1
Lettering field size: 20 x 9 mm	yellow	**UC-EM (20X9) YE CUS**	**0827639**	1
Lettering field size: 20 x 9 mm	turquoise	**UC-EM (20X9) TQ CUS**	**0827662**	1
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 21 x 8 mm	white			

Accessories

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



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

Type	Order No.	Pcs. / Pkt.
UC-EM (21X8)	**0825507**	10
UC-EM (21X8) CUS	**0827630**	1

Accessories

P1 UC-MAG 5	**5146118**	1

UniCard snap-in device marking for Axioline E series

N

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

- The markers, which are supplied in uniform sheets, can be labeled quickly and easily using the BLUEMARK CLED and THERMOMARK CARD products
- 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 for including function texts
- Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		30
Material		PC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone, halogen and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling Phoenix Contact devices, Axioline Lettering field size: 7 x 10 mm	white	**UCT-EM (7X10)**	**0830765**	10
UniCard, for labeling Phoenix Contact devices, Axioline, **labeled according to customer specifications**[1]) Lettering field size: 7 x 10 mm	white	**UCT-EM (7X10) CUS**	**0830766**	1

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating UCT-WMT ... sheets, UCT-EM (17X10)	**THERMOMARK CARD-UCT-MAG7**	**0801734**	1

UniCard snap-in device marking for devices from other manufacturers

The UCT−EM ... UniCard labeling range includes markers for devices and switchgear from a wide range of manufacturers.

– The markers, which are supplied in uniform sheets, can be labeled quickly and easily using the BLUEMARK CLED and THERMOMARK CARD products
– 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 for including function texts
– An overview of the devices that support labeling plus their manufacturers can be found starting on page 304
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

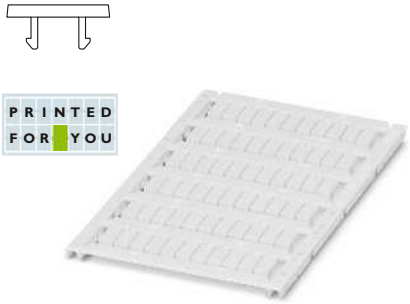
Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology



Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		66
Material		PC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling devices from the following manufacturers: Conta Clip, Murr Elektronik				
Lettering field size: 5 x 10 mm	white	**UCT-EM (5X10)**	**0801497**	10
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 5 x 10 mm	white	**UCT-EM (5X10) CUS**	**0801583**	1

Accessories

Magazine, for THERMOMARK CARD ... for accommodating: UCT–TM ..., UCT1–TM ..., UCT5–TM ..., UCT–EM (5X10), UCT-EM (6X10)	**THERMOMARK CARD-UCT-MAG1**	**5146480**	1

UniCard snap-in device marking for devices from other manufacturers

The UCT−EM ... UniCard labeling range includes markers for devices and switchgear from a wide range of manufacturers.

– The markers, which are supplied in uniform sheets, can be labeled quickly and easily using the BLUEMARK CLED and THERMOMARK CARD products
– 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 for including function texts
– An overview of the devices that support labeling plus their manufacturers can be found starting on page 304
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

Technical data

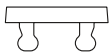
General data	
Can be printed with:	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels	54
Material	PC
Inflammability class according to UL 94	V0
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling devices from the following manufacturers: Conta Clip, Festo, Finder				
Lettering field size: 6 x 10 mm	white	**UCT-EM (6X10)**	**0801493**	10
UniCard, for labeling devices from the following manufacturers: Beckhoff, Escha, Lumberg, Murr Elektronik, Pepperl & Fuchs, Turck				
Lettering field size: 10 x 5 mm	white			
UniCard, for labeling devices from the following manufacturers: Siemens				
Lettering field size: 10 x 7 mm	white			
Lettering field size: 10 x 7 mm	turquoise			
UniCard, for labeling 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 labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 6 x 10 mm	white	**UCT-EM (6X10) CUS**	**0801579**	1
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 10 x 5 mm	white			
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 10 x 7 mm	white			
Lettering field size: 10 x 7 mm	turquoise			
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 10 x 8 mm	white			
Lettering field size: 10 x 8 mm	turquoise			

Accessories

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-EM (10X5)			
Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (10X7)			
Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (10X8), UCT-EM (12X7)			



Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
60
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 (10X5)	**0801470**	10
UCT-EM (10X5) CUS	**0801554**	1

Accessories

THERMOMARK CARD-UCT-MAG13	**0830400**	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
36
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 (10X7)	**0801498**	10
UCT-EM (10X7) TQ	**0801499**	10
UCT-EM (10X7) CUS	**0801585**	1
UCT-EM (10X7) TQ CUS	**0801586**	1

Accessories

THERMOMARK CARD-UCT-MAG20	**0830751**	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
36
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 (10X8)	**0801485**	10
UCT-EM (10X8) TQ	**0801486**	10
UCT-EM (10X8) CUS	**0801570**	1
UCT-EM (10X8) TQ CUS	**0801572**	1

Accessories

THERMOMARK CARD-UCT-MAG12	**0830399**	1

UniCard snap-in device marking for devices from other manufacturers

The UCT−EM ... UniCard labeling range includes markers for devices and switchgear from a wide range of manufacturers.

– The markers, which are supplied in uniform sheets, can be labeled quickly and easily using the BLUEMARK CLED and THERMOMARK CARD products
– 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 for including function texts
– An overview of the devices that support labeling plus their manufacturers can be found starting on page 304
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

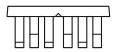
Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology



Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels		30
Material		PC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling devices from the following manufacturers: Bernecke + Rainer Lettering field size: 12 x 3.3 mm	white	**UCT-EM (12X3,3)**	**0801502**	10
UniCard, for labeling devices from the following manufacturers: Bernecke + Rainer Lettering field size: 12 x 6 mm	white			
UniCard, for labeling devices from the following manufacturers: Beckhoff, Wago Lettering field size: 12 x 7 mm	white			
UniCard, for labeling devices from the following manufacturers: Siemens Lettering field size: 15 x 10 mm	white			
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1]) Lettering field size: 12 x 3.3 mm	white	**UCT-EM (12X3,3) CUS**	**0801577**	1
Lettering field size: 12 x 6 mm	white			
Lettering field size: 12 x 7 mm	white			
Lettering field size: 15 x 10 mm	white			

Accessories

Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (12X3,3), UCT-EM (12X6)	**THERMOMARK CARD-UCT-MAG9**	**0801736**	1
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)			

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
30
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 (12X6)	0801503	10
UCT-EM (12X6) CUS	0801578	1

Accessories

THERMOMARK CARD-UCT-MAG9	0801736	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
30
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 (12X7)	0801501	10
UCT-EM (12X7) CUS	0801587	1

Accessories

THERMOMARK CARD-UCT-MAG12	0830399	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
16
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 (15X10)	0801504	10
UCT-EM (15X10) CUS	0801588	1

Accessories

THERMOMARK CARD-UCT-MAG8	0801735	1

UniCard snap-in device marking for devices from other manufacturers

The UCT−EM ... UniCard labeling range includes markers for devices and switchgear from a wide range of manufacturers.

– The markers, which are supplied in uniform sheets, can be labeled quickly and easily using the BLUEMARK CLED and THERMOMARK CARD products
– 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 for including function texts
– An overview of the devices that support labeling plus their manufacturers can be found starting on page 304
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

Technical data

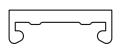
General data	
Can be printed with:	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels	24
Material	PC
Inflammability class according to UL 94	V0
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone and halogen

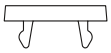
Ordering data

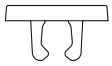
Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling devices from the following manufacturers: ABB, Festo, Finder, Murr Elektronik, Wago				
Lettering field size: 17 x 9 mm	white	**UCT-EM (17X9)**	**0801475**	10
Lettering field size: 17 x 9 mm	yellow	**UCT-EM (17X9) YE**	**0801476**	10
UniCard, for labeling devices from the following manufacturers: Allen-Bradley, Festo				
Lettering field size: 17 x 10 mm	white			
Lettering field size: 17 x 10 mm	yellow			
UniCard, for labeling devices from the following manufacturers: ABB, Lumberg				
Lettering field size: 17.5 x 7.5 mm	white			
UniCard, for labeling devices from the following manufacturers: ABB, Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 17 x 8 mm	white			
Lettering field size: 17 x 9 mm	white	**UCT-EM (17X9) CUS**	**0801559**	1
Lettering field size: 17 x 9 mm	yellow	**UCT-EM (17X9) YE CUS**	**0801560**	1
Lettering field size: 17 x 10 mm	white			
Lettering field size: 17 x 10 mm	yellow			
Lettering field size: 17.5 x 7.5 mm	white			
Lettering field size: 17 x 8 mm	white			

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)			
Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (17,5X7,5)			
Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (21X8) and UCT EM (17X8)			







Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
20
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 (17X10)	**0801483**	10
UCT-EM (17X10) YE	**0801484**	10
UCT-EM (17X10) CUS	**0801567**	1
UCT-EM (17X10) YE CUS	**0801569**	1

Accessories

THERMOMARK CARD-UCT-MAG11	**0801738**	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
24
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 (17,5X7,5)	**0801482**	10
UCT-EM (17,5X7,5) CUS	**0801566**	1

Accessories

THERMOMARK CARD-UCT-MAG18	**0830405**	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
18
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 (17X8)	**0801842**	10
UCT-EM (17X8) CUS	**1014400**	1

Accessories

THERMOMARK CARD-UCT-MAG14	**0830401**	1

UniCard snap-in device marking for devices from other manufacturers

The UCT−EM ... UniCard labeling range includes markers for devices and switchgear from a wide range of manufacturers.

– The markers, which are supplied in uniform sheets, can be labeled quickly and easily using the BLUEMARK CLED and THERMOMARK CARD products
– 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 for including function texts
– An overview of the devices that support labeling plus their manufacturers can be found starting on page 304
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

Technical data

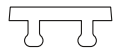
General data	
Can be printed with:	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels	24
Material	PC
Inflammability class according to UL 94	V0
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone and halogen

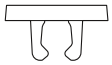
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling devices from the following manufacturers: ABB, ifm-electronic, Moeller, Murr Elektronik				
Lettering field size: 17.5 x 8 mm	white	**UCT-EM (17,5X8)**	**0801496**	10
UniCard, for labeling 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 labeling 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			
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 17.5 x 8 mm	white	**UCT-EM (17,5X8) CUS**	**0801582**	1
Lettering field size: 17.5 x 9 mm	white			
Lettering field size: 17.5 x 9 mm	yellow			
Lettering field size: 18 x 8 mm	white			
Lettering field size: 20 x 7 mm	white			
Lettering field size: 20 x 7 mm	turquoise			

Accessories

Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (17,5X8), UCT-EM (20X7), UCT-EM (15X10)	**THERMOMARK CARD-UCT-MAG8**	**0801735**	1
Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (17,5X9)			
Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (18 x 8)			





Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
24
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 (17,5X9)	**0801491**	10
UCT-EM (17,5X9) YE	**0801492**	10
UCT-EM (17,5X9) CUS	**0801575**	1
UCT-EM (17,5X9) YE CUS	**0801576**	1

Accessories

THERMOMARK CARD-UCT-MAG22	**0830771**	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
24
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 (18X8)	**0801488**	10
UCT-EM (18X8) CUS	**0801573**	1

Accessories

THERMOMARK CARD-UCT-MAG17	**0830404**	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
24
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 (20X7)	**0801494**	10
UCT-EM (20X7) TQ	**0801495**	10
UCT-EM (20X7) CUS	**0801580**	1
UCT-EM (20X7) TQ CUS	**0801581**	1

Accessories

THERMOMARK CARD-UCT-MAG8	**0801735**	1

UniCard snap-in device marking for devices from other manufacturers

The UCT−EM ... UniCard labeling range includes markers for devices and switchgear from a wide range of manufacturers.

– The markers, which are supplied in uniform sheets, can be labeled quickly and easily using the BLUEMARK CLED and THERMOMARK CARD products
– 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 for including function texts
– An overview of the devices that support labeling plus their manufacturers can be found starting on page 304
– Labeling service: Phoenix Contact can custom-label all UniCard markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

UV LED technology

Technical data

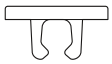
General data	
Can be printed with:	THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
Number of individual labels	24
Material	PC
Inflammability class according to UL 94	V0
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard, for labeling devices from the following manufacturers: Escha, Murr Elektronik, Turck				
Lettering field size: 20 x 8 mm	white	**UCT-EM (20X8)**	**0801477**	10
UniCard, for labeling 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 9 mm	white			
Lettering field size: 20 x 9 mm	turquoise			
Lettering field size: 20 x 9 mm	yellow			
UniCard, for marking devices from the following manufacturers: ABB, Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 21 x 8 mm	white			
UniCard, for labeling devices from the following manufacturers: see previous products, **labeled according to customer specifications**[1])				
Lettering field size: 20 x 8 mm	white	**UCT-EM (20X8) CUS**	**0801561**	1
Lettering field size: 20 x 9 mm	white			
Lettering field size: 20 x 9 mm	turquoise			
Lettering field size: 20 x 9 mm	yellow			
Lettering field size: 21 x 8 mm	white			

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)			
Magazine, for THERMOMARK CARD ... for accommodating UCT-EM (21X8) and UCT EM (17X8)			



Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
24
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 (20X9)	0801471	10
UCT-EM (20X9) TQ	0801473	10
UCT-EM (20X9) YE	0801472	10
UCT-EM (20X9) CUS	0801556	1
UCT-EM (20X9) TQ CUS	0801558	1
UCT-EM (20X9) YE CUS	0801557	1

Accessories

THERMOMARK CARD-UCT-MAG15	0830402	1

Technical data

THERMOMARK CARD PLUS • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED
18
PC
V0
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

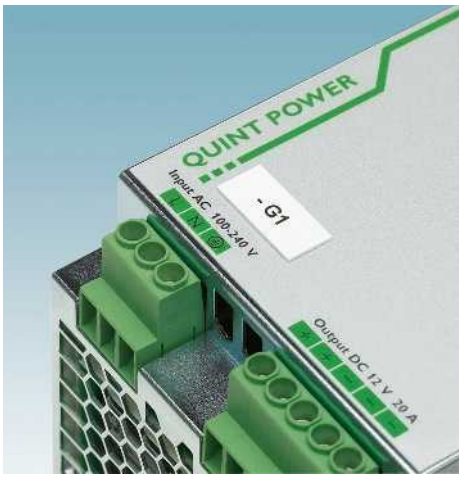
Ordering data

Type	Order No.	Pcs. / Pkt.
UCT-EM (21X8)	0801489	10
UCT-EM (21X8) CUS	0801574	1

Accessories

THERMOMARK CARD-UCT-MAG14	0830401	1

UniSheet stick-on device marking



Can be printed with:

Thermal transfer for sheets and cards

Unlabeled

- The US-EMLP ... UniSheet labeling 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 for including function texts
- For more label sizes, visit www.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

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • 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				
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 (17X15)**	**0828793**	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

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials	**THERMOMARK CARD-US-MAG1**	**5146451**	1

UniSheet stick-on device marking

Unlabeled

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • 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

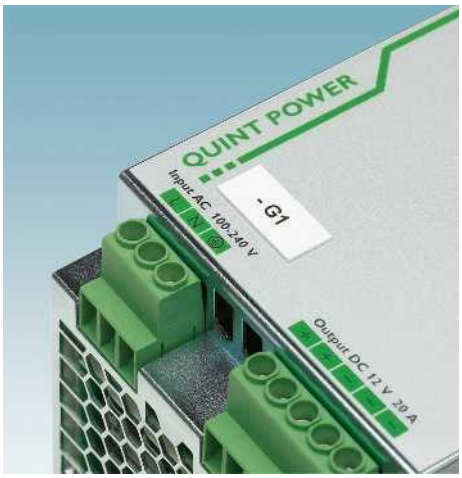
Ordering data

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
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

UniSheet stick-on device marking



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Labeled according to customer specifications

- The US-EMLP ... UniSheet labeling 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 for including function texts
- For more label sizes, visit www.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

Notes:

[1]) For ordering example, see page 359.

Technical data

General data		
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, **labeled acc. to customer specifications**[1])				
88-section, lettering field size: 8.8 x 15 mm	white	US-EMLP (8,8X15) CUS	0830371	1
	yellow	US-EMLP (8,8X15) YE CUS	0830372	1
	red	US-EMLP (8,8X15) RD CUS	0830374	1
	silver	US-EMLP (8,8X15) SR CUS	0830373	1
135-section, lettering field size: 11 x 9 mm	white	US-EMLP (11X9) CUS	0830073	1
	yellow	US-EMLP (11X9) YE CUS	0830074	1
	silver	US-EMLP (11X9) SR CUS	0830075	1
189-section, lettering field size: 15 x 5 mm	white	US-EMLP (15X5) CUS	0830076	1
	yellow	US-EMLP (15X5) YE CUS	0830077	1
	silver	US-EMLP (15X5) SR CUS	0830078	1
108-section, lettering field size: 17 x 7 mm	white	US-EMLP (17X7) CUS	0830079	1
	yellow	US-EMLP (17X7) YE CUS	0830080	1
	silver	US-EMLP (17X7) SR CUS	0830081	1
54-section, lettering field size: 17 x 15 mm	white	US-EMLP (17X15) CUS	0830082	1
	yellow	US-EMLP (17X15) YE CUS	0830083	1
	silver	US-EMLP (17X15) SR CUS	0830084	1
75-section, lettering field size: 20 x 9 mm	white	US-EMLP (20X9) CUS	0830085	1
	yellow	US-EMLP (20X9) YE CUS	0830086	1
	silver	US-EMLP (20X9) SR CUS	0830087	1
24-section, lettering field size: 22 x 22 mm	white	US-EMLP (22X22) CUS	0830088	1
	yellow	US-EMLP (22X22) YE CUS	0830089	1
	silver	US-EMLP (22X22) SR CUS	0830090	1
51-section, lettering field size: 27 x 8 mm	white	US-EMLP (27X8) CUS	0830091	1
	yellow	US-EMLP (27X8) YE CUS	0830092	1
	silver	US-EMLP (27X8) SR CUS	0830093	1
30-section, lettering field size: 27 x 12.5 mm	white	US-EMLP (27X12,5) CUS	0830094	1
	yellow	US-EMLP (27X12,5) YE CUS	0830095	1
	silver	US-EMLP (27X12,5) SR CUS	0830096	1
27-section, lettering field size: 27 x 15 mm	white	US-EMLP (27X15) CUS	0830097	1
	yellow	US-EMLP (27X15) YE CUS	0830098	1
	silver	US-EMLP (27X15) SR CUS	0830099	1
21-section, lettering field size: 27 x 18 mm	white	US-EMLP (27X18) CUS	0830100	1
	yellow	US-EMLP (27X18) YE CUS	0830101	1
	silver	US-EMLP (27X18) SR CUS	0830102	1
15-section, lettering field size: 27 x 27 mm	white	US-EMLP (27X27) CUS	0830103	1
	yellow	US-EMLP (27X27) YE CUS	0830104	1
	silver	US-EMLP (27X27) SR CUS	0830105	1

UniSheet stick-on device marking

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Notes:

[1]) For ordering example, see page 359.

Labeled according to customer specifications

Technical data

General data		
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, **labeled acc. to customer specifications**[1])				
45-section, lettering field size: 35 x 9 mm	white	**US-EMLP (35X9) CUS**	**0830106**	1
	yellow	**US-EMLP (35X9) YE CUS**	**0830107**	1
	silver	**US-EMLP (35X9) SR CUS**	**0830108**	1
27-section, lettering field size: 35 x 15 mm	white	**US-EMLP (35X15) CUS**	**0830375**	1
	yellow	**US-EMLP (35X15) YE CUS**	**0830376**	1
	red	**US-EMLP (35X15) RD CUS**	**0830378**	1
	silver	**US-EMLP (35X15) SR CUS**	**0830377**	1
28-section, lettering field size: 40 x 10 mm	white	**US-EMLP (40X10) CUS**	**0830365**	1
	yellow	**US-EMLP (40X10) YE CUS**	**0830366**	1
	silver	**US-EMLP (40X10) SR CUS**	**0830367**	1
18-section, lettering field size: 49 x 15 mm	white	**US-EMLP (49X15) CUS**	**0830109**	1
	yellow	**US-EMLP (49X15) YE CUS**	**0830110**	1
	silver	**US-EMLP (49X15) SR CUS**	**0830111**	1
16-section, lettering field size: 52.5 x 15 mm	white	**US-EMLP (52,5X15) CUS**	**0830379**	1
	yellow	**US-EMLP (52,5X15) YE CUS**	**0830380**	1
	red	**US-EMLP (52,5X15) RD CUS**	**0830382**	1
	silver	**US-EMLP (52,5X15) SR CUS**	**0830381**	1
9-section, lettering field size: 60 x 15 mm	white	**US-EMLP (60X15) CUS**	**0830112**	1
	yellow	**US-EMLP (60X15) YE CUS**	**0830113**	1
	silver	**US-EMLP (60X15) SR CUS**	**0830114**	1
4-section, lettering field size: 60 x 30 mm	white	**US-EMLP (60X30) CUS**	**0830115**	1
	yellow	**US-EMLP (60X30) YE CUS**	**0830116**	1
	silver	**US-EMLP (60X30) SR CUS**	**0830117**	1
8-section, lettering field size: 70 x 15 mm	white	**US-EMLP (70X15) CUS**	**0830383**	1
	yellow	**US-EMLP (70X15) YE CUS**	**0830384**	1
	red	**US-EMLP (70X15) RD CUS**	**0830386**	1
	silver	**US-EMLP (70X15) SR CUS**	**0830385**	1
2-section, lettering field size: 85.6 x 54 mm	white	**US-EMLP (85,6X54) CUS**	**0830118**	1
	yellow	**US-EMLP (85,6X54) YE CUS**	**0830119**	1
	silver	**US-EMLP (85,6X54) SR CUS**	**0830120**	1
2-section, lettering field size: 100 x 60 mm	white	**US-EMLP (100X60) CUS**	**0830121**	1
	yellow	**US-EMLP (100X60) YE CUS**	**0830122**	1
	silver	**US-EMLP (100X60) SR CUS**	**0830123**	1
1-section, lettering field size: 104 x 135 mm	white	**US-EMLP (104X135) CUS**	**0830387**	1
	yellow	**US-EMLP (104X135) YE CUS**	**0830388**	1
	silver	**US-EMLP (104X135) SR CUS**	**0830389**	1

UniSheet device marking that can be snapped into marker carriers

– The US-EMP ... UniSheet labeling 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 for including function texts

Notes:

For matching label frames, see page 296.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

Unlabeled

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • 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, just 0.5 mm thick[1])				
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
48-section, lettering field size: 29 x 8 mm	white	**US-EMP (29X8)**	**0829436**	10
	yellow	**US-EMP (29X8) YE**	**0829440**	10
16-section, lettering field size: 40 x 17 mm	white	**US-EMP (40X17)**	**0829437**	10
36-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

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials	**THERMOMARK CARD-US-MAG1**	**5146451**	1

UniSheet device marking that can be snapped into marker carriers

– All US-EMP ... device markers can also be supplied labeled according to customer requirements

Notes:

For matching label frames, see page 296.

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Labeled according to customer specifications

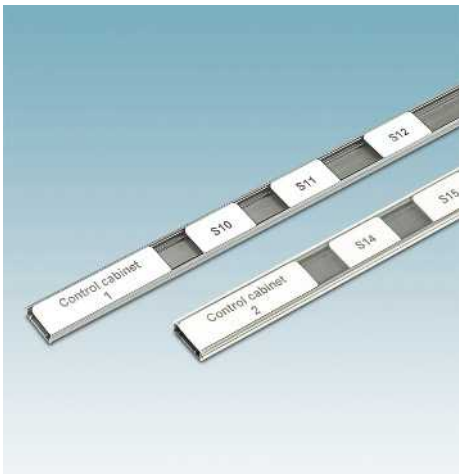
Technical data

General data		
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, **labeled acc. to customer specifications**				
54-section, lettering field size: 17 x 15 mm	white	US-EMP (17X15) CUS	0830025	1
	yellow	US-EMP (17X15) YE CUS	0830026	1
	silver	US-EMP (17X15) SR CUS	0830027	1
70-section, lettering field size: 20 x 9 mm	white	US-EMP (20X9) CUS	0830028	1
84-section, lettering field size: 25 x 6 mm	white	US-EMP (25X6)-1 CUS	0802755	1
84-section, lettering field size: 26 x 6 mm	white	US-EMP (25X6) CUS	0830029	1
51-section, lettering field size: 27 x 8 mm	white	US-EMP (27X8) CUS	0830030	1
	yellow	US-EMP (27X8) YE CUS	0830031	1
	silver	US-EMP (27X8) SR CUS	0830032	1
30-section, lettering field size: 27 x 12.5 mm	white	US-EMP (27X12,5) CUS	0830033	1
	yellow	US-EMP (27X12,5) YE CUS	0830034	1
	silver	US-EMP (27X12,5) SR CUS	0830035	1
27-section, lettering field size: 27 x 15 mm	white	US-EMP (27X15) CUS	0830036	1
	yellow	US-EMP (27X15) YE CUS	0830037	1
	silver	US-EMP (27X15) SR CUS	0830038	1
21-section, lettering field size: 27 x 18 mm	white	US-EMP (27X18) CUS	0830039	1
	yellow	US-EMP (27X18) YE CUS	0830040	1
	silver	US-EMP (27X18) SR CUS	0830041	1
15-section, lettering field size: 27 x 27 mm	white	US-EMP (27X27) CUS	0830042	1
	yellow	US-EMP (27X27) YE CUS	0830043	1
	silver	US-EMP (27X27) SR CUS	0830044	1
48-section, lettering field size: 29 x 8 mm	white	US-EMP (29X8) CUS	0830045	1
	yellow	US-EMP (29X8) YE CUS	0830046	1
16-section, lettering field size: 40 x 17 mm	white	US-EMP (40X17) CUS	0830047	1
36-section, lettering field size: 44 x 7 mm	white	US-EMP (44X7) CUS	0830048	1
18-section, lettering field size: 49 x 15 mm	white	US-EMP (49X15) CUS	0830049	1
	yellow	US-EMP (49X15) YE CUS	0830050	1
	silver	US-EMP (49X15) SR CUS	0830051	1
9-section, lettering field size: 60 x 15 mm	white	US-EMP (60X15) CUS	0830052	1
	yellow	US-EMP (60X15) YE CUS	0830053	1
	silver	US-EMP (60X15) SR CUS	0830054	1
4-section, lettering field size: 60 x 30 mm	white	US-EMP (60X30) CUS	0830055	1
	yellow	US-EMP (60X30) YE CUS	0830056	1
	silver	US-EMP (60X30) SR CUS	0830057	1
2-section, lettering field size: 85.6 x 54 mm	white	US-EMP (85,6X54) CUS	0830058	1
	yellow	US-EMP (85,6X54) YE CUS	0830059	1
	silver	US-EMP (85,6X54) SR CUS	0830060	1
9-section, lettering field size: 100 x 15 mm	white	US-EMP (100X15) CUS	0830061	1
	yellow	US-EMP (100X15) YE CUS	0830062	1
	silver	US-EMP (100X15) SR CUS	0830063	1

UniSheet device marking that can be snapped into marker carriers



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 for including 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

Can be printed with:

Thermal transfer for sheets and cards

Unlabeled

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • 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, 0.5 mm thick, can be labeled 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

Accessories

Profile, for screwing or riveting, 1000 mm long, for accommodating UC-.../US-... and EMT ... material with a height of 15 mm				
	gray	**CARRIER-EMP (1000X15) GY**	**0829366**	25
	transparent	**CARRIER-EMP (1000X15) TR**	**0829530**	25
Profile, self-adhesive, 1000 mm long, for accommodating UC-.../US-... and EMT ... material with a height of 15 mm				
	gray	**CARRIER/L-EMP (1000X15) GY**	**0829559**	25
	transparent	**CARRIER/L-EMP (1000X15) TR**	**0829560**	25
CARRIER cover, 1000 mm long				
	transparent	**CARRIER-EMP (1000X15) COVER**	**0829520**	25
Magazine, for THERMOMARK CARD..., for accommodating all US−... materials				
		THERMOMARK CARD-US-MAG1	**5146451**	1

UniSheet device marking that can be snapped into marker carriers

– All US-EMP ... device markers can also be supplied labeled according to customer requirements

Notes:

[1]) For ordering example, see page 359.

Labeled according to customer specifications

Unlabeled or labeled according to customer specifications

		Technical data	Technical data
General data			
Can be printed with:		-	THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		PVC	Polyester
Inflammability class according to UL 94		V0	V0
Temperature range	[°C]	-30 ... 80	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free	free from silicone and halogen

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniSheet, with self-adhesive plastic labels, 0.5 mm thick, **labeled acc. to customer specifications**[1])							
88-section, lettering field size: 8.8 x 15 mm	white	**US-EMP (8,8X15) CUS**	**0830349**	1			
	yellow	**US-EMP (8,8X15) YE CUS**	**0830350**	1			
	red	**US-EMP (8,8X15) RD CUS**	**0830352**	1			
	silver	**US-EMP (8,8X15) SR CUS**	**0830351**	1			
54-section, lettering field size: 17 x 15 mm	white	**US-EMP (17X15) CUS**	**0830025**	1			
	yellow	**US-EMP (17X15) YE CUS**	**0830026**	1			
	silver	**US-EMP (17X15) SR CUS**	**0830027**	1			
27-section, lettering field size: 27 x 15 mm	white	**US-EMP (27X15) CUS**	**0830036**	1			
	yellow	**US-EMP (27X15) YE CUS**	**0830037**	1			
	silver	**US-EMP (27X15) SR CUS**	**0830038**	1			
24-section, lettering field size: 35 x 15 mm	white	**US-EMP (35X15) CUS**	**0830353**	1			
	yellow	**US-EMP (35X15) YE CUS**	**0830354**	1			
	red	**US-EMP (35X15) RD CUS**	**0830356**	1			
	silver	**US-EMP (35X15) SR CUS**	**0830355**	1			
18-section, lettering field size: 49 x 15 mm	white	**US-EMP (49X15) CUS**	**0830049**	1			
	yellow	**US-EMP (49X15) YE CUS**	**0830050**	1			
	silver	**US-EMP (49X15) SR CUS**	**0830051**	1			
16-section, lettering field size: 52.5 x 15 mm	white	**US-EMP (52,5X15) CUS**	**0830357**	1			
	yellow	**US-EMP (52,5X15) YE CUS**	**0830358**	1			
	red	**US-EMP (52,5X15) RD CUS**	**0830360**	1			
	silver	**US-EMP (52,5X15) SR CUS**	**0830359**	1			
9-section, lettering field size: 60 x 15 mm	white	**US-EMP (60X15) CUS**	**0830052**	1			
	yellow	**US-EMP (60X15) YE CUS**	**0830053**	1			
	silver	**US-EMP (60X15) SR CUS**	**0830054**	1			
8-section, lettering field size: 70 x 15 mm	white	**US-EMP (70X15) CUS**	**0830361**	1			
	yellow	**US-EMP (70X15) YE CUS**	**0830362**	1			
	red	**US-EMP (70X15) RD CUS**	**0830364**	1			
	silver	**US-EMP (70X15) SR CUS**	**0830363**	1			
9-section, lettering field size: 100 x 15 mm	white	**US-EMP (100X15) CUS**	**0830061**	1			
	yellow	**US-EMP (100X15) YE CUS**	**0830062**	1			
	silver	**US-EMP (100X15) SR CUS**	**0830063**	1			
Insert strips, unprinted, 1 roll = 50 m, continuous, strip height: 15 mm	white				**EMT (EX15)R**	**0830671**	1
Insert strips, unprinted, 1 roll = 50 m, continuous, strip height: 15 mm, **marked according to customer specifications**	white				**EMT (EX15)R CUS**	**0830395**	1

UniSheet device marking for screwing or riveting

- The US-EMSP ... UniSheet labeling 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 for including function texts
- Labeling service: Phoenix Contact can custom-label all UniSheet markers in accordance with your requirements

Notes:

For corresponding rivets for fixing the US-EMSP ...., see page 370.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • 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, 0.5 mm thick, with mounting holes 3.2 mm in diameter				
4-section, lettering field size: 50 x 30 mm	white	**US-EMSP (50X30)**	**0828786**	10
	yellow	**US-EMSP (50X30) YE**	**0828927**	10
	silver	**US-EMSP (50X30) SR**	**0828928**	10
2-section, lettering field size: 75.6 x 54 mm	white	**US-EMSP (75,6X54)**	**0828787**	10
	yellow	**US-EMSP (75,6X54) YE**	**0828929**	10
	silver	**US-EMSP (75,6X54) SR**	**0828930**	10
2-section, lettering field size: 90 x 60 mm	white	**US-EMSP (90X60)**	**0828788**	10
	yellow	**US-EMSP (90X60) YE**	**0828931**	10
	silver	**US-EMSP (90X60) SR**	**0828932**	10
UniSheet, 0.5 mm thick, with mounting holes 3.2 mm in diameter, **labeled according to customer specifications**, 4-section, lettering field size: 50 x 30 mm[1])	white	**US-EMSP (50X30) CUS**	**0830064**	1
	yellow	**US-EMSP (50X30) YE CUS**	**0830065**	1
	yellow	**US-EMSP (50X30) SR CUS**	**0830066**	1
2-section, lettering field size: 75.6 x 54 mm	white	**US-EMSP (75,6X54) CUS**	**0830067**	1
	yellow	**US-EMSP (75,6X54) YE CUS**	**0830068**	1
	silver	**US-EMSP (75,6X54) SR CUS**	**0830069**	1
2-section, lettering field size: 90 x 60 mm	white	**US-EMSP (90X60) CUS**	**0830070**	1
	yellow	**US-EMSP (90X60) YE CUS**	**0830071**	1
	silver	**US-EMSP (90X60) SR CUS**	**0830072**	1

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials	**THERMOMARK CARD-US-MAG1**	**5146451**	1

UniSheet device marking for sticking on and additional screwing or riveting

- The US−EMLSP ... UniSheet labeling 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 for including function texts
- Labeling service: Phoenix Contact can custom-label all UniSheet markers in accordance with your requirements

Notes:

For corresponding rivets for fixing the UC−EMLSP ..., see page 370.

For drilling diagrams, visit www.phoenixcontact.net/products.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • 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, mounting holes with 3.2 mm diameter, 0.5 mm thick				
Lettering field size: 28 x 10 mm	white	**US-EMLSP (28X10)**	**0830343**	10
	yellow	**US-EMLSP (28X10) YE**	**0830344**	10
	silver	**US-EMLSP (28X10) SR**	**0830329**	10
UniSheet, with self-adhesive plastic labels, mounting holes with 3.2 mm diameter, 0.5 mm thick, **labeled according to customer specifications,** lettering field size: 28 x 10 mm[1])	white	**US-EMLSP (28X10) CUS**	**0830368**	1
	yellow	**US-EMLSP (28X10) YE CUS**	**0830369**	1
	silver	**US-EMLSP (28X10) SR CUS**	**0830370**	1

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US−... materials	**THERMOMARK CARD-US-MAG1**	**5146451**	1

UniSheet device marking, stick-on labels

- The US-EML ... UniSheet labeling 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 labeling that is suitable for harsh environments
- The sheets provide space for including function texts
- The US-EML ... material is UL-listed

Can be printed with:

Thermal transfer for sheets and cards

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet, with self-adhesive labels				
80-section, lettering field size: 17.5 x 8 mm	white	**US-EML (17,5X8)**	**0800461**	10
	yellow	**US-EML (17,5X8) YE**	**0800463**	10
64-section, lettering field size: 20 x 8 mm	white	**US-EML (20X8)**	**0800458**	10
	yellow	**US-EML (20X8) YE**	**0800460**	10
34-section, lettering field size: 104 x 3.8 mm	white	**US-EML (104X3,8)**	**0800464**	10
1-section, lettering field size: 104 x 140 mm	white	**US-EML (104X140)**	**0800465**	10
	yellow	**US-EML (104X140) YE**	**0800467**	10
	silver	**US-EML (104X140) SR**	**0800466**	10

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials		
THERMOMARK CARD-US-MAG1	**5146451**	1

UniSheet - stick-on combi labels, unprinted

N

Can be printed with:

Thermal transfer for sheets and cards

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

The unlabeled 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 conform to the ISO 7010 international standard
– The markers can be printed in various colors with the THERMOMARK CARD PLUS
– When used in conjunction with high-quality ink ribbons, a resistant form of labeling is produced, which is even suitable for harsh environments
– The markers, which are supplied in uniform sheets, can be labeled quickly, easily, and cost-effectively using the THERMOMARK CARD PLUS
– The format automatically ensures printing with a high level of positional accuracy
– The perforated markers are easy to separate

Notes:

[1]) For ordering example, see page 359.

Technical data

General data	
Can be printed with:	THERMOMARK CARD PLUS • THERMOMARK CARD
Material	PVC
Temperature range [°C]	-40 ... 90
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet, with self-adhesive labels, 2-section, lettering field size: 104 x 70 mm				
	white	**US-EMLF (104X70)**	**1014294**	10
	yellow	**US-EMLF (104X70) YE**	**1014295**	10
	blue	**US-EMLF (104X70) BU**	**1014296**	10
UniSheet, with self-adhesive labels, 1-section, lettering field size: 104 x 140 mm				
	white	**US-EMLF (104X140)**	**1014291**	10
	yellow	**US-EMLF (104X140) YE**	**1014292**	10
	blue	**US-EMLF (104X140) BU**	**1014293**	10
UniSheet, with self-adhesive labels, **labeled according to customer specifications,** 2-section, lettering field size: 104 x 70 mm[1])				
	white	**US-EMLF (104X70) CUS**	**1014300**	1
	yellow	**US-EMLF (104X70) YE CUS**	**1014301**	1
	blue	**US-EMLF (104X70) BU CUS**	**1014302**	1
UniSheet, with self-adhesive labels, **labeled according to customer specifications,** 1-section, lettering field size: 104 x 140 mm[1])				
	white	**US-EMLF (104X140) CUS**	**1014297**	1
	yellow	**US-EMLF (104X140) YE CUS**	**1014298**	1
	blue	**US-EMLF (104X140) BU CUS**	**1014299**	1

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials		**THERMOMARK CARD-US-MAG1**	**5146451**	1
Segmented ink ribbon, length: 60 m, width: 110 mm two segments in colors	black/red	**TM-RIBBON 110-TC BK/RD**	**1014403**	1
three segments in colors	black/red/yellow	**TM-RIBBON 110-TC BK/RD/YE**	**1014404**	1
four segments in colors	black/red/blue/yellow	**TM-RIBBON 110-TC BK/RD/BU/YE**	**1014405**	1

Stick-on device marking

- 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 labeling is resistant to solvents, making it suitable for use even under harsh industrial conditions
- A wide range of marker sizes and colors is 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 Printers on page 38.

For additional label sizes, see the product area on our website at www.phoenixcontact.net/products.

Can be printed with:

Thermal transfer for rolls

Unlabeled, white

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Labels				
10,000 labels p. roll		**EML (10X4)R**	**0815583**	1
10,000 labels p. roll		**EML (10X7)R**	**0816663**	1
2500 labels p. roll				
2500 labels p. roll		**EML (15X9)R**	**0815677**	1
2500 labels p. roll		**EML (16,5X5)R**	**0816702**	1
10,000 labels p. roll		**EML (16X7)R**	**0818001**	1
2500 labels p. roll		**EML (17,5X8)R**	**0816744**	1
2500 labels p. roll		**EML (19X6)R**	**0816760**	1
2500 labels p. roll				
2500 labels p. roll		**EML (20X8)R**	**0816786**	1
2500 labels p. roll				
2500 labels p. roll		**EML (25,4X12,7)R**	**0816825**	1
2500 labels p. roll				
2500 labels p. roll				
2500 labels p. roll				
2500 labels p. roll				
1000 labels p. roll				
2500 labels p. roll		**EML (30X20)R**	**0816922**	1
2500 labels p. roll		**EML (38X17)R**	**0816951**	1
1000 labels p. roll		**EML (40X8)R**	**0816980**	1
1000 labels p. roll				
1000 labels p. roll		**EML (40X25)R**	**0818027**	1
1000 labels p. roll		**EML (51X25)R**	**0817028**	1
1000 labels p. roll		**EML (70X32)R**	**0817060**	1
400 labels p. roll		**EML (70X50)R**	**0817099**	1
2500 labels p. roll		**EML (90X5)R**	**0817109**	1
300 labels p. roll		**EML (100X40)R**	**0800286**	1
300 labels p. roll		**EML (100X73)R**	**0817125**	1
250 labels p. roll		**EML (100X90)R**	**0817154**	1
Labels, on large roll				
10,000 labels p. roll		**EML (16,5X5)RL**	**0816113**	1
10,000 labels p. roll				
10,000 labels p. roll		**EML (25,4X12,7)RL**	**0816087**	1
10,000 labels p. roll		**EML (38,1X19)RL**	**0816171**	1
3000 labels p. roll		**EML (50,8X25,4)RL**	**0816184**	1
3000 labels p. roll		**EML (69,8X31,8)RL**	**0816197**	1
2500 labels p. roll				
1000 labels p. roll				
Labels, round, 17.5 mm diameter				
2500 labels p. roll		**EML (D17,5)R**	**0815774**	1
Continuous labels, on large roll				
Width: 37 mm, length: 90 m	transparent	**EML (37XE)RL TR**	**0815716**	1
Continuous labels, on large roll, length: 90 m				
Width: 100 mm, length: 90 m				

Unlabeled, yellow

Unlabeled, 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 (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 (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 (40X25)R YE	0816977	1
EML (51X25)R YE	0817031	1
EML (70X32)R YE	0817073	1
EML (100X73)R YE	0817138	1
EML (16,5X5)RL YE	0816126	1
EML (17,5X8)RL YE	0816139	1
EML (18X7)RL YE	0802733	1
EML (76,2X6,5)RL YE	0816207	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 (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 (100X40)R SR	0802697	1
EML (100X73)R SR	0817112	1
EML (100X90)R SR	0817141	1
EML (101,6X25,4)RL SR	0815790	1
EML (100XE)RL SR	0815787	1

Stick-on device marking

- All EML ... labels can also be supplied labeled according to customer requirements
- The EML ... materials are UL-listed
- **Designation example:**
  EML (10X4)R...
  Lettering field size: 10 x 4 mm

Notes:

For additional label sizes, visit www.phoenixcontact.net/products.

[1]) For ordering example, see page 359.

Labeled acc. to customer specifications, white

Technical data

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

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Labels, labeled according to customer requirements[1])			
8 labels per strip	**EML (10X4)R CUS**	**0824289**	1
8 labels per strip	**EML (10X7)R CUS**	**0824290**	1
8 labels per strip			
8 labels per strip	**EML (15X9)R CUS**	**0824294**	1
5 labels per strip	**EML (16,5X5)R CUS**	**0824297**	1
5 labels per strip	**EML (16X7)R CUS**	**0824301**	1
5 labels per strip	**EML (17,5X8)R CUS**	**0824303**	1
4 labels per strip	**EML (19X6)R CUS**	**0824306**	1
4 labels per strip			
4 labels per strip	**EML (20X8)R CUS**	**0824309**	1
4 labels per strip			
3 labels per strip	**EML (25,4X12,7)R CUS**	**0824313**	1
3 labels per strip			
3 labels per strip			
3 labels per strip			
3 labels per strip			
3 labels per strip			
3 labels per strip	**EML (30X20)R CUS**	**0824323**	1
2 labels per strip	**EML (38X17)R CUS**	**0824328**	1
2 labels per strip	**EML (40X8)R CUS**	**0824332**	1
2 labels per strip			
2 labels per strip	**EML (40X25)R CUS**	**0824330**	1
2 labels per strip	**EML (51X25)R CUS**	**0824335**	1
1 label per strip	**EML (70X32)R CUS**	**0824340**	1
1 label per strip	**EML (70X50)R CUS**	**0824343**	1
1 label per strip	**EML (90X5)R CUS**	**0824346**	1
1 label per strip	**EML (100X40)R CUS**	**0802698**	1
1 label per strip	**EML (100X73)R CUS**	**0824282**	1
1 label per strip	**EML (100X90)R CUS**	**0824285**	1
Labels, labeled according to customer requirements[1])			
2 labels per strip	**EML (38,1X19)RL CUS**	**0824327**	1
1 label per strip	**EML (50,8X25,4)RL CUS**	**0824333**	1
1 label per strip	**EML (69,8X31,8)RL CUS**	**0824339**	1
4 labels per strip			
1 label per strip			
1 label per strip			
Labels, round, 17.5 mm diameter, **labeled acc. to customer specifications**[1])			
4 labels per strip	**EML (D17,5)R CUS**	**0824347**	1

Labeled acc. to customer specifications, yellow

Labeled acc. to customer specifications, silver

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
EML (10X7)R YE CUS	0824291	1
EML (15X6) R YE CUS	0824348	1
EML (15X9)R YE CUS	0824296	1
EML (16,5X5)R YE CUS	0824298	1
EML (16X7)R YE CUS	0824302	1
EML (17,5X8)R YE CUS	0824304	1
EML (20X7)R YE CUS	0824308	1
EML (20X8)R YE CUS	0824310	1
EML (25,4X12,7)R YE CUS	0824314	1
EML (26,5X17,5)R YE CUS	0824319	1
EML (30X20)R YE CUS	0824324	1
EML (40X25)R YE CUS	0824331	1
EML (51X25)R YE CUS	0824337	1
EML (70X32)R YE CUS	0824342	1
EML (100X73)R YE CUS	0824284	1
EML (18X7)RL YE CUS	0802734	1
EML (76,2X6,5)RL YE CUS	0824345	1

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
EML (15X9)R SR CUS	0824295	1
EML (21,5X21,5)R SR CUS	0824312	1
EML (26,5X7,5)R SR CUS	0824322	1
EML (26,5X12)R SR CUS	0824315	1
EML (26,5X17,5)R SR CUS	0824318	1
EML (26,5X18,5)R SR CUS	0824320	1
EML (26,5X26,5)R SR CUS	0824321	1
EML (40X15)R SR CUS	0824329	1
EML (51X25)R SR CUS	0824336	1
EML (70X32)R SR CUS	0824341	1
EML (70X50)R SR CUS	0824344	1
EML (100X40)R SR CUS	0828993	1
EML (100X73)R SR CUS	0824283	1
EML (100X90)R SR CUS	0824286	1
EML (101,6X25,4)RL SR CUS	0824288	1

Stick-on device marking

- The EMLP ... self-adhesive markers meet the same standards as the engraved labels
- Quick and cost-effective labeling 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
- Labeling service: Phoenix Contact can custom-label all EMLP ... markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		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				
500 markers p. roll	white	**EMLP (13X9)R**	**0819453**	1
500 markers p. roll	white	**EMLP (17X7)R**	**0826844**	1
500 markers p. roll	white	**EMLP (17,5X12)R**	**0819466**	1
3000 markers p. roll	white	**EMLP (17,5X15)R**	**0802684**	1
500 markers p. roll	white	**EMLP (20X7)R**	**0819479**	1
500 markers p. roll	white	**EMLP (20X8)R**	**0819482**	1
500 markers p. roll	white	**EMLP (22X12)R**	**0819495**	1
500 markers p. roll	white	**EMLP (45X15)R**	**0801820**	1
500 markers p. roll	white	**EMLP (45X25)R**	**0802727**	1
250 markers p. roll	white	**EMLP (60X30)R**	**0819505**	1
500 markers p. roll	white	**EMLP (65X25)R**	**0802728**	1
3000 markers p. roll	silver	**EMLP (17,5X15)R SR**	**0802685**	1
500 markers p. roll	silver	**EMLP (27X8)R SR**	**0819518**	1
500 markers p. roll	silver	**EMLP (27X12,5)R SR**	**0819521**	1
500 markers p. roll	silver	**EMLP (27X18)R SR**	**0819534**	1
500 markers p. roll	silver	**EMLP (22X22)R SR**	**0825528**	1
500 markers p. roll	silver	**EMLP (27X27)R SR**	**0827467**	1
500 markers p. roll	silver	**EMLP (45X15)R SR**	**0819547**	1
250 markers p. roll	silver	**EMLP (60X30)R SR**	**0801729**	1
Markers, labeled acc. to customer specifications[1])				
4 markers per strip	white	**EMLP (13X9)R CUS**	**0824354**	1
2 markers per strip	white	**EMLP (17X7)R CUS**	**0827083**	1
2 markers per strip	white	**EMLP (17,5X12)R CUS**	**0824355**	1
6 markers per strip	white	**EMLP (17,5X15)R CUS**	**0802690**	1
2 markers per strip	white	**EMLP (20X7)R CUS**	**0824356**	1
2 markers per strip	white	**EMLP (20X8)R CUS**	**0824357**	1
2 markers per strip	white	**EMLP (22X12)R CUS**	**0824358**	1
1 marker per strip	white	**EMLP (45X15)R CUS**	**0828990**	1
1 marker per strip	white	**EMLP (45X25)R CUS**	**0802730**	1
1 marker per strip	white	**EMLP (60X30)R CUS**	**0824363**	1
1 marker per strip	white	**EMLP (65X25)R CUS**	**0802731**	1
6 markers per strip	silver	**EMLP (17,5X15)R SR CUS**	**0802691**	1
2 markers per strip	silver	**EMLP (22X22)R SR CUS**	**0827475**	1
2 markers per strip	silver	**EMLP (27X8)R SR CUS**	**0824361**	1
2 markers per strip	silver	**EMLP (27X12,5)R SR CUS**	**0824359**	1
2 markers per strip	silver	**EMLP (27X18)R SR CUS**	**0824360**	1
2 markers per strip	silver	**EMLP (27X27)R SR CUS**	**0827469**	1
2 markers per strip	silver	**EMLP (45X15)R SR CUS**	**0824362**	1
1 marker per strip	silver	**EMLP (60X30)R SR CUS**	**0830398**	1

Stick-on device marking, continuous

- The EMLP Ex... self-adhesive continuous markers are equivalent to engraved labels
- Quick and cost-effective labeling 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
- Labeling service: Phoenix Contact can custom-label all EMLP ... markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

N

Technical data

General data		
Can be printed with:		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.
Continuous roll				
Width: 15 mm, length: 40 m	white	**EMLP (EX15)R**	**0802686**	1
Width: 30 mm, length: 40 m	white	**EMLP (EX30)R**	**0802688**	1
Width: 15 mm, length: 40 m	silver	**EMLP (EX15)R SR**	**0802687**	1
Width: 30 mm, length: 40 m	silver	**EMLP (EX30)R SR**	**0802689**	1
Continuous roll, labeled according to customer specifications[1])				
Width: 15 mm, length: 40 m	white	**EMLP (EX15)R CUS**	**0802692**	1
Width: 30 mm, length: 40 m	white	**EMLP (EX30)R CUS**	**0802695**	1
Width: 15 mm, length: 40 m	silver	**EMLP (EX15)R SR CUS**	**0802694**	1
Width: 30 mm, length: 40 m	silver	**EMLP (EX30)R SR CUS**	**0802696**	1

Stick-on device marking, for 24 mm buttons

- The EMLP 24 ... self-adhesive markers are ideal for marking electrical buttons
- Quick and cost-effective labeling with THERMOMARK ... printers
- High-quality appearance
- High level of resistance to chemical and mechanical effects
- Labeling service: Phoenix Contact can custom-label all EMLP ... markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		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 for 24 mm buttons, can be labeled with thermal transfer printer				
500 markers p. roll	white	**EMLP 24 (30X12)R**	**0819550**	1
500 markers p. roll	silver	**EMLP 24 (30X12)R SR**	**0819563**	1
500 markers p. roll	red	**EMLP 24 (30X12)R RD**	**0819576**	1
500 markers p. roll	green	**EMLP 24 (30X12)R GN**	**0819589**	1
Markers for 24 mm buttons, labeled acc. to customer specifications[1])				
2 markers per strip	white	**EMLP 24 (30X12)R CUS**	**0824367**	1
2 markers per strip	silver	**EMLP 24 (30X12)R SR CUS**	**0824370**	1
2 markers per strip	green	**EMLP 24 (30X12)R GN CUS**	**0824368**	1
2 markers per strip	red	**EMLP 24 (30X12)R RD CUS**	**0824369**	1

Stick-on device marking, for 30 mm buttons

- The EMLP 30 ... self-adhesive markers are ideal for marking electrical buttons
- Quick and cost-effective labeling with THERMOMARK ... printers
- High-quality appearance
- High level of resistance to chemical and mechanical effects
- Labeling service: Phoenix Contact can custom-label all EMLP ... markers in accordance with your requirements

Notes:

If using THERMOMARK ROLL,
use the external ROLL-ERH media hub.

Can be printed with:

Thermal transfer for rolls

Unlabeled or labeled according to customer specifications

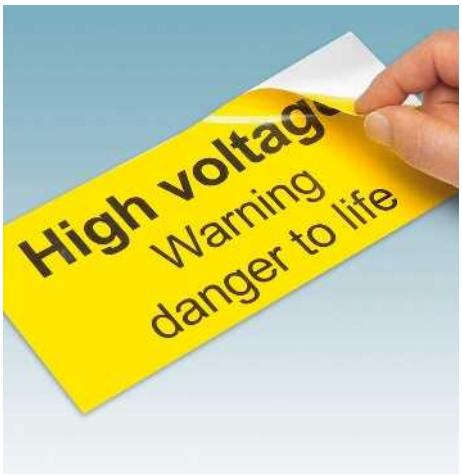
Technical data

General data		
Can be printed with:		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 for 30 mm buttons, can be labeled with thermal transfer printers				
500 markers p. roll	white	**EMLP 30(45X10)R**	**0801855**	1
500 markers p. roll	yellow	**EMLP 30(45X10)R YE**	**0801857**	1
500 markers p. roll	black	**EMLP 30(45X10)R BK**	**0801858**	1
1 marker per strip	white	**EMLP 30(45X10)R CUS**	**0802007**	1
1 marker per strip	yellow	**EMLP 30(45X10)R YE CUS**	**0802008**	1
1 marker per strip	yellow	**EMLP 30(45X10)R BK CUS**	**0802009**	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 -50°C to 90°C
– Labeling service: Phoenix Contact can custom-label all EMLF ... markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Continuous label, width: 108 mm, length: 40 m				
	white	**EMLF (108XE)R**	**0800549**	1
	yellow	**EMLF (108XE)R YE**	**0800550**	1
	silver	**EMLF (108XE)R SR**	**0800551**	1
	transparent	**EMLF (108XE)R TR**	**0800552**	1
Continuous label, labeled acc. to customer specifications[1])				
	white	**EMLF (108XE)R CUS**	**0830183**	1
	yellow	**EMLF (108XE)R YE CUS**	**0830184**	1
	silver	**EMLF (108XE)R SR CUS**	**0830185**	1
	transparent	**EMLF (108XE)R TR CUS**	**0830186**	1

Highly flexible stick-on textile foil

- 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
- Labeling service: Phoenix Contact can custom-label all EMLC ... markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		PA
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Fabric label				
10,000 labels p. roll	white	**EMLC (5,5X20)R**	**0817617**	1
5000 labels p. roll	white	**EMLC (5,5X40)R**	**0817620**	1
2500 labels p. roll	yellow	**EMLC (15X9)R YE**	**0800236**	1
2500 labels p. roll	yellow	**EMLC (17,5X8)R YE**	**0800237**	1
2500 labels p. roll	white	**EMLC (20X8)R**	**0815680**	1
2500 labels p. roll	yellow	**EMLC (20X8)R YE**	**0800235**	1
10,000 labels p. roll	yellow	**EMLC (20X8)RL YE**	**0815800**	1
2500 labels p. roll	yellow	**EMLC (25X8)R YE**	**0800240**	1
2500 labels p. roll	yellow	**EMLC (25,4X12,7)R YE**	**0800238**	1
1000 labels p. roll	yellow	**EMLC (38X17)R YE**	**0800557**	1
1000 labels p. roll	white	**EMLC (40X8)R**	**0800554**	1
1000 labels p. roll	yellow	**EMLC (40X8)R YE**	**0800555**	1
750 labels p. roll	yellow	**EMLC (51X25)R YE**	**0800558**	1
Fabric label, labeled according to customer requirements[1])				
12 labels per strip	white	**EMLC (5,5X20)R CUS**	**0824350**	1
12 labels per strip	white	**EMLC (5,5X40)R CUS**	**0824351**	1
4 labels per strip	yellow	**EMLC (15X9)R YE CUS**	**0830158**	1
5 labels per strip	yellow	**EMLC (17,5X8)R YE CUS**	**0830159**	1
4 labels per strip	white	**EMLC (20X8)R CUS**	**0824352**	1
4 labels per strip	yellow	**EMLC (20X8)R YE CUS**	**0830157**	1
2 labels per strip	yellow	**EMLC (25X8)R YE CUS**	**0830161**	1
2 labels per strip	yellow	**EMLC (25,4X12,7)R YE CUS**	**0830160**	1
2 labels per strip	white	**EMLC (40X8)R CUS**	**0830162**	1
1 label per strip	yellow	**EMLC (40X8)R YE CUS**	**0830163**	1
2 labels per strip	yellow	**EMLC (38X17)R YE CUS**	**0830164**	1
1 label per strip	yellow	**EMLC (51X25)R YE CUS**	**0830165**	1

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 labeling is resistant to solvents, making it suitable for use even under harsh industrial conditions
– A wide range of different marker sizes is 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
– Labeling service: Phoenix Contact can custom-label all EML−HA ... labels according to your requirements
– The labeling material is UL listed
– **Designation example:**
  EML-HA (15x9)R
  Lettering field size: 15 x 9 mm
  Type of packaging: roll

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

Unlabeled, white

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Label, for rough plastic surfaces, highly adhesive			
2500 labels p. roll	**EML-HA (15X9)R**	**0830600**	1
2500 labels p. roll	**EML-HA (19X6)R**	**0830601**	1
2500 labels p. roll	**EML-HA (20X20)R**	**0830602**	1
2500 labels p. roll	**EML-HA (26,5X12)R**	**0830603**	1
2500 labels p. roll	**EML-HA (40X8)R**	**0830604**	1
1000 labels p. roll	**EML-HA (40X15)R**	**0830605**	1
1000 labels p. roll	**EML-HA (51X25)R**	**0830729**	1
1000 labels p. roll	**EML-HA (60X30)R**	**0830606**	1
1000 labels p. roll	**EML-HA (70X32)R**	**0830607**	1
1000 labels p. roll	**EML-HA (70X50)R**	**0830730**	1
250 labels p. roll	**EML-HA (70X150)R**	**0830608**	1
1000 labels p. roll	**EML-HA (76X51)R**	**0830609**	1
1000 labels p. roll	**EML-HA (85X32)R**	**0830610**	1
300 labels p. roll	**EML-HA (100X73)R**	**0830731**	1
250 labels p. roll	**EML-HA (100X90)R**	**0830732**	1
Label, for rough plastic surfaces, highly adhesive, **labeled according to customer specifications**[1])			
4 labels per strip			
4 labels per strip			
4 labels per strip			
2 labels per strip			
2 labels per strip			
2 labels per strip			
1 label per strip			
1 label per strip			
1 label per strip			
1 label per strip			
1 label per strip			
1 label per strip			
1 label per strip			
1 label per strip			
1 label per strip			

Unlabeled, silver

Labeled acc. to customer specifications, white

Labeled acc. 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

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

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
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

Ordering data

Type	Order No.	Pcs. / Pkt.
EML-HA (15X9)R CUS	0830622	1
EML-HA (19X6)R CUS	0830623	1
EML-HA (20X20)R CUS	0830624	1
EML-HA (26,5X12)R CUS	0830625	1
EML-HA (40X8)R CUS	0830626	1
EML-HA (40X15)R CUS	0830627	1
EML-HA (51X25)R CUS	0830737	1
EML-HA (60X30)R CUS	0830628	1
EML-HA (70X32)R CUS	0830629	1
EML-HA (70X50)R CUS	0830738	1
EML-HA (70X150)R CUS	0830630	1
EML-HA (76X51)R CUS	0830631	1
EML-HA (85X32)R CUS	0830632	1
EML-HA (100X73)R CUS	0830739	1
EML-HA (100X90)R CUS	0830740	1

Ordering data

Type	Order No.	Pcs. / Pkt.
EML-HA (15X9)R SR CUS	0830633	1
EML-HA (19X6)R SR CUS	0830634	1
EML-HA (20X20)R SR CUS	0830635	1
EML-HA (26,5X12)R SR CUS	0830636	1
EML-HA (40X8)R SR CUS	0830637	1
EML-HA (40X15)R SR CUS	0830638	1
EML-HA (51X25)R SR CUS	0830741	1
EML-HA (60X30)R SR CUS	0830639	1
EML-HA (70X32)R SR CUS	0830640	1
EML-HA (70X50)R SR CUS	0830742	1
EML-HA (70X150)R SR CUS	0830641	1
EML-HA (76X51)R SR CUS	0830642	1
EML-HA (85X32)R SR CUS	0830643	1
EML-HA (100X73)R SR CUS	0830743	1
EML-HA (100X90)R SR CUS	0830744	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 labeling 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 Printers, page 39.

If large rolls are processed with the THERMOMARK ROLL, the external THERMOMARK ROLL-ERH media hub must be used.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

Unlabeled

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		Polyimide
Temperature range	[°C]	-40 ... 180
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
High-temperature labels				
4000 labels p. roll	white	**EML-HT (8X8)R**	**0800340**	1
4000 labels p. roll	white	**EML-HT (15X6)R**	**0830644**	1
4000 labels p. roll	white	**EML-HT (15X15)R**	**0800341**	1
4000 labels p. roll	white	**EML-HT (20X7)R**	**0830645**	1
4000 labels p. roll	white	**EML-HT (24X4)R**	**0830646**	1
4000 labels p. roll	white	**EML-HT (25X8)R**	**0830647**	1
2500 labels p. roll	white	**EML-HT (25,4X12,7)R**	**0830648**	1
2500 labels p. roll	white	**EML-HT (32X10)R**	**0830649**	1
2500 labels p. roll	white	**EML-HT (35X6,5)R**	**0830650**	1
1000 labels p. roll	white	**EML-HT (40X15)R**	**0800339**	1
2500 labels p. roll	white	**EML-HT (45X5)R**	**0800337**	1
1000 labels p. roll	white	**EML-HT (50X10)R**	**0800338**	1
1000 labels p. roll, round, 12 mm diameter	white	**EML-HT (D12)R**	**0801376**	1
High-temperature labels, on large roll				
10,000 labels p. roll	white			
10,000 labels p. roll	white			
8000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
8000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
High-temperature label, labeled acc. to customer specifications[1])				
4 labels per strip	white			
5 labels per strip	white			
4 labels per strip	white			
4 labels per strip	white			
2 labels per strip	white			
2 labels per strip	white			
3 labels per strip	white			
2 labels per strip	white			
2 labels per strip	white			
2 labels per strip	white			
4 labels per strip	white			
1 label per strip	white			

Accessories

Ink ribbon, specifically for high-temperature labels, EML-HT...			
	black	**THERMOMARK-RIBBON 110-EML-HT**	**0800342**	1

Unlabeled, on large roll

Labeled according to customer specifications

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1	-
Polyimide	Polyimide
-40 ... 180	-40 ... 180
DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
EML-HT (8X8)RL-T	**0830651**	1
EML-HT (15X6)RL-T	**0830652**	1
EML-HT (15X15)RL-T	**0830653**	1
EML-HT (20X7)RL-T	**0830654**	1
EML-HT (24X4)RL-T	**0830655**	1
EML-HT (25X8)RL-T	**0830656**	1
EML-HT (25,4X12,7)RL-T	**0830657**	1
EML-HT (32X10)RL-T	**0830658**	1
EML-HT (35X6,5)RL-T	**0830659**	1
EML-HT (40X15)RL-T	**0830660**	1
EML-HT (45X5)RL-T	**0830661**	1
EML-HT (50X10)RL-T	**0830662**	1

Ordering data

Type	Order No.	Pcs. / Pkt.
EML-HT (8X8)R CUS	**0830169**	1
EML-HT (15X6)R CUS	**0830663**	1
EML-HT (15X15)R CUS	**0830170**	1
EML-HT (20X7)R CUS	**0830664**	1
EML-HT (24X4)R CUS	**0830665**	1
EML-HT (25X8)R CUS	**0830666**	1
EML-HT (25,4X12,7)R CUS	**0830667**	1
EML-HT (32X10)R CUS	**0830668**	1
EML-HT (35X6,5)R CUS	**0830669**	1
EML-HT (40X15)R CUS	**0830168**	1
EML-HT (45X5)R CUS	**0830166**	1
EML-HT (50X10)R CUS	**0830167**	1

Accessories

THERMOMARK-RIBBON 110-EML-HT	**0800342**	1

Accessories

Stick-on device marking, for ESD applications

N

Can be printed with:

Thermal transfer for rolls

Unlabeled

- 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.

[1]) For ordering example, see page 359.

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK S1.1 • THERMOMARK X1.1 • THERMOMARK X1.2
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Device marking, roll				
4000 labels p. roll	white	**EML-ESD (8X8)R**	**0830564**	1
4000 labels p. roll	white	**EML-ESD (15X6)R**	**0830565**	1
4000 labels p. roll	white	**EML-ESD (15X15)R**	**0830566**	1
4000 labels p. roll	white	**EML-ESD (20X7)R**	**0830567**	1
4000 labels p. roll	white	**EML-ESD (24X4)R**	**0830568**	1
4000 labels p. roll	white	**EML-ESD (25X8)R**	**0830569**	1
2500 labels p. roll	white	**EML-ESD (25,4X12,7)R**	**0830570**	1
2500 labels p. roll	white	**EML-ESD (32X10)R**	**0830571**	1
2500 labels p. roll	white	**EML-ESD (35X6,5)R**	**0830572**	1
2500 labels p. roll	white	**EML-ESD (40X15)R**	**0830573**	1
2500 labels p. roll	white	**EML-ESD (45X5)R**	**0830574**	1
1000 labels p. roll	white	**EML-ESD (50X10)R**	**0830575**	1
Device marking, roll				
10,000 labels p. roll	white			
10,000 labels p. roll	white			
8000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
8000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
Device marking, roll, **marked according to customer specifications**[1])				
4 labels per strip	white			
5 labels per strip	white			
4 labels per strip	white			
4 labels per strip	white			
2 labels per strip	white			
2 labels per strip	white			
3 labels per strip	white			
2 labels per strip	white			
2 labels per strip	white			
2 labels per strip	white			
2 labels per strip	white			
1 label per strip	white			

N

Unlabeled, on large roll

N

PRINTED FOR YOU

Labeled according to customer specifications

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

Ordering data

Type	Order No.	Pcs. / Pkt.
EML-ESD (8X8)RL-T	**0830576**	1
EML-ESD (15X6)RL-T	**0830577**	1
EML-ESD (15X15)RL-T	**0830578**	1
EML-ESD (20X7)RL-T	**0830579**	1
EML-ESD (24X4)RL-T	**0830580**	1
EML-ESD (25X8)RL-T	**0830581**	1
EML-ESD (25,4X12,7)RL-T	**0830582**	1
EML-ESD (32X10)RL-T	**0830583**	1
EML-ESD (35X6,5)RL-T	**0830584**	1
EML-ESD (40X15)RL-T	**0830585**	1
EML-ESD (45X5)RL-T	**0830586**	1
EML-ESD (50X10)RL-T	**0830587**	1

Ordering data

Type	Order No.	Pcs. / Pkt.
EML-ESD (8X8)R CUS	**0830588**	1
EML-ESD (15X6)R CUS	**0830589**	1
EML-ESD (15X15)R CUS	**0830590**	1
EML-ESD (20X7)R CUS	**0830591**	1
EML-ESD (24X4)R CUS	**0830592**	1
EML-ESD (25X8)R CUS	**0830593**	1
EML-ESD (25,4X12,7)R CUS	**0830594**	1
EML-ESD (32X10)R CUS	**0830595**	1
EML-ESD (35X6,5)R CUS	**0830596**	1
EML-ESD (40X15)R CUS	**0830597**	1
EML-ESD (45X5)R CUS	**0830598**	1
EML-ESD (50X10)R CUS	**0830599**	1

Stick-on device marking, removable

Can be printed with:

N

Thermal transfer for rolls

Unlabeled

- 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.

[1]) For ordering example, see page 359.

Technical data

General data		
Can be printed with:		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.
Labels, removable				
4000 labels p. roll	white	**EML-RM (8X8)R**	**0830528**	1
4000 labels p. roll	white	**EML-RM (15X6)R**	**0830529**	1
4000 labels p. roll	white	**EML-RM (15X15)R**	**0830530**	1
4000 labels p. roll	white	**EML-RM (20X7)R**	**0830531**	1
4000 labels p. roll	white	**EML-RM (24X4)R**	**0830532**	1
4000 labels p. roll	white	**EML-RM (25X8)R**	**0830533**	1
2500 labels p. roll	white	**EML-RM (25,4X12,7)R**	**0830534**	1
2500 labels p. roll	white	**EML-RM (32X10)R**	**0830535**	1
2500 labels p. roll	white	**EML-RM (35X6,5)R**	**0830536**	1
2500 labels p. roll	white	**EML-RM (40X15)R**	**0830537**	1
2500 labels p. roll	white	**EML-RM (45X5)R**	**0830538**	1
1000 labels p. roll	white	**EML-RM (50X10)R**	**0830539**	1
Labels, on large roll, removable				
10,000 labels p. roll	white			
10,000 labels p. roll	white			
8000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
8000 labels p. roll	white			
10,000 labels p. roll	white			
10,000 labels p. roll	white			
Labels, removable, **labeled according to customer specifications**[1])				
4 labels per strip	white			
5 labels per strip	white			
4 labels per strip	white			
4 labels per strip	white			
2 labels per strip	white			
2 labels per strip	white			
3 labels per strip	white			
2 labels per strip	white			
2 labels per strip	white			
2 labels per strip	white			
2 labels per strip	white			
1 label per strip	white			

Accessories

Description	Color	Type	Order No.	Pcs. / Pkt.
Ink ribbon, length: 300 m, width: 110 mm	black	**THERMOMARK-RIBBON 110**	**5145384**	1

N

Unlabeled, on large roll

N

PRINTED FOR YOU

Labeled according to customer specifications

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1	-
Polyester	Polyester
-40 ... 120	-40 ... 120
DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen	free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
EML-RM (8X8)RL-T	**0830540**	1
EML-RM (15X6)RL-T	**0830541**	1
EML-RM (15X15)RL-T	**0830542**	1
EML-RM (20X7)RL-T	**0830543**	1
EML-RM (24X4)RL-T	**0830544**	1
EML-RM (25X8)RL-T	**0830545**	1
EML-RM (25,4X12,7)RL-T	**0830546**	1
EML-RM (32X10)RL-T	**0830547**	1
EML-RM (35X6,5)RL-T	**0830548**	1
EML-RM (40X15)RL-T	**0830549**	1
EML-RM (45X5)RL-T	**0830550**	1
EML-RM (50X10)RL-T	**0830551**	1

Ordering data

Type	Order No.	Pcs. / Pkt.
EML-RM (8X8)R CUS	**0830552**	1
EML-RM (15X6)R CUS	**0830553**	1
EML-RM (15X15)R CUS	**0830554**	1
EML-RM (20X7)R CUS	**0830555**	1
EML-RM (24X4)R CUS	**0830556**	1
EML-RM (25X8)R CUS	**0830557**	1
EML-RM (25,4X12,7)R CUS	**0830558**	1
EML-RM (32X10)R CUS	**0830559**	1
EML-RM (35X6,5)R CUS	**0830560**	1
EML-RM (40X15)R CUS	**0830561**	1
EML-RM (45X5)R CUS	**0830562**	1
EML-RM (50X10)R CUS	**0830563**	1

Accessories

THERMOMARK-RIBBON 110	**5145384**	1

Accessories

Stick-on device marking, with anti-tamper protection

- 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
- Labeling service: Phoenix Contact can custom-label 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

Can be printed with:

Thermal transfer for rolls

Unlabeled

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Safety labels				
2500 labels p. roll	silver	**EMLS (15X9)R SR**	**0800347**	1
2500 labels p. roll	silver	**EMLS (19X6)R SR**	**0800343**	1
1000 labels p. roll	silver	**EMLS (20X20)R SR**	**0800344**	1
1000 labels p. roll	silver	**EMLS (26,5X12)R SR**	**0800353**	1
1000 labels p. roll	silver	**EMLS (38,1X19)R SR**	**0800354**	1
1000 labels p. roll	silver	**EMLS (40X8)R SR**	**0800348**	1
1000 labels p. roll	silver	**EMLS (40X15)R SR**	**0800345**	1
500 labels p. roll	silver	**EMLS (60X30)R SR**	**0800355**	1
500 labels p. roll	silver	**EMLS (70X32)R SR**	**0800346**	1
100 labels p. 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

Stick-on device marking, with anti-tamper protection

– All EMLS ... device markers can also be supplied marked according to customer requirements

Notes:

[1]) For ordering example, see page 359.

Labeled according to customer specifications

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Safety label, labeled acc. to customer specifications[1])				
4 labels per strip	silver	**EMLS (15X9)R SR CUS**	**0830175**	1
4 labels per strip	silver	**EMLS (19X6)R SR CUS**	**0830171**	1
4 labels per strip	silver	**EMLS (20X20)R SR CUS**	**0830172**	1
2 labels per strip	silver	**EMLS (26,5X12)R SR CUS**	**0830179**	1
2 labels per strip	silver	**EMLS (38,1X19)R SR CUS**	**0830180**	1
2 labels per strip	silver	**EMLS (40X8)R SR CUS**	**0830176**	1
2 labels per strip	silver	**EMLS (40X15)R SR CUS**	**0830173**	1
1 label per strip	silver	**EMLS (60X30)R SR CUS**	**0830181**	1
1 label per strip	silver	**EMLS (70X32)R SR CUS**	**0830174**	1
1 label per strip	silver	**EMLS (70X150)R SR CUS**	**0830178**	1
1 label per strip	silver	**EMLS (76X51)R SR CUS**	**0830177**	1
1 label per strip	silver	**EMLS (85X32)R SR CUS**	**0830182**	1

Snap-in device markers for Axioline systems from Phoenix Contact

– EMT ... insert strips are available in different sizes for labeling the Axioline modules from Phoenix Contact
– EMT (62...)R insert strips are available in different sizes for labeling 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 labeling can be found starting on page 304

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		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.
Insert strips for Axioline modules				
500 labels per roll, lettering field size: 35 x 28 mm	white	**EMT (35X28)R**	**0801602**	1
500 labels per roll, lettering field size: 35 x 28 mm	yellow	**EMT (35X28)R YE**	**0801603**	1
500 labels per roll, lettering field size: 35 x 46 mm	white	**EMT (35X46)R**	**0801604**	1
500 labels per roll, lettering field size: 35 x 46 mm	yellow	**EMT (35X46)R YE**	**0801605**	1
Insert strips for Inline modules, 500 labels per roll, lettering field size: 62 x 10 mm	white	**EMT (62X10)R**	**0800057**	1
500 labels per roll, lettering field size: 62 x 10 mm	yellow	**EMT (62X10)R YE**	**0800477**	1
250 labels per roll, lettering field size: 62 x 46 mm	white	**EMT (62X46)R**	**0800059**	1
250 labels per roll, lettering field size: 62 x 46 mm	yellow	**EMT (62X46)R YE**	**0800478**	1
Insert strips for Axioline modules, labeled according to customer specifications, 2 markers per strip, lettering field size: 35 x 28 mm[1])	white	**EMT (35X28)R CUS**	**0830391**	1
2 markers per strip, lettering field size: 35 x 28 mm	yellow	**EMT (35X28)R YE CUS**	**0830392**	1
2 markers per strip, lettering field size: 35 x 46 mm	white	**EMT (35X46)R CUS**	**0830393**	1
2 markers per strip, lettering field size: 35 x 46 mm	yellow	**EMT (35X46)R YE CUS**	**0830394**	1
Insert strips for Inline modules, labeled according to customer specifications, 1 marker per strip, lettering field size: 62 x 10 mm[1])	white	**EMT (62X10)R CUS**	**0830251**	1
1 marker per strip, lettering field size: 62 x 10 mm	yellow	**EMT (62X10)R YE CUS**	**0830252**	1
1 marker per strip, lettering field size: 62 x 46 mm	white	**EMT (62X46)R CUS**	**0830253**	1
1 marker per strip, lettering field size: 62 x 46 mm	yellow	**EMT (62X46)R YE CUS**	**0830254**	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 labeling can be found starting on page 304

Notes:

For additional information on the use of Siemens devices, see the product area on our website at www.phoenixcontact.net/products.

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		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.
Insert strips				
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
Insert strips with two lettering field sizes per roll, with 250 of each size measuring: 50 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
Insert strips, labeled according to customer specifications, 2 markers per strip, lettering field size: 31 x 12.5 mm[1])	gray	**EMT (31X12,5)R GY CUS**	**0830390**	1
2 markers per strip, lettering field size: 50 x 26 mm	white	**EMT (50X26)R CUS**	**0830248**	1
2 markers per strip, lettering field size: 50 x 26 mm	turquoise	**EMT (50X26)R TQ CUS**	**0830249**	1
2 markers per strip, lettering field size: 50 x 26 mm	yellow	**EMT (50X26)R YE CUS**	**0830250**	1
2 markers per strip, lettering field size: 103 x 17 mm	white	**EMT (103X17)R CUS**	**0830238**	1
2 markers per strip, lettering field size: 103 x 17 mm	turquoise	**EMT (103X17)R TQ CUS**	**0830239**	1
2 markers per strip, lettering field size: 103 x 17 mm	yellow	**EMT (103X17)R YE CUS**	**0830240**	1
2 markers per strip, lettering field size: 103 x 23 mm	white	**EMT (103X23)R CUS**	**0830241**	1
2 markers per strip, lettering field size: 103 x 23 mm	turquoise	**EMT (103X23)R TQ CUS**	**0830242**	1
2 markers per strip, lettering field size: 103 x 23 mm	yellow	**EMT (103X23)R YE CUS**	**0830243**	1
Insert strips with two lettering field sizes per roll, labeled according to customer specifications, with 250 each of 50 and 27.5 x 12.8 mm	white	**EMT (50/28X13)R CUS**	**0830245**	1
with 250 each of 50 x 12.8 mm and 27.5 x 12.8 mm	turquoise	**EMT (50/28X13)R TQ CUS**	**0830246**	1
with 250 each of 50 x 12.8 mm and 27.5 x 12.8 mm	yellow	**EMT (50/28X13)R YE CUS**	**0830247**	1

Stick-on device marking

- 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
- Labeling service: Phoenix Contact can custom-label all BMKL ... markers in accordance with your requirements

Notes:

Print image may vary depending on laser printer.

[1]) For ordering example, see page 359.

Can be printed with:

Laser

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

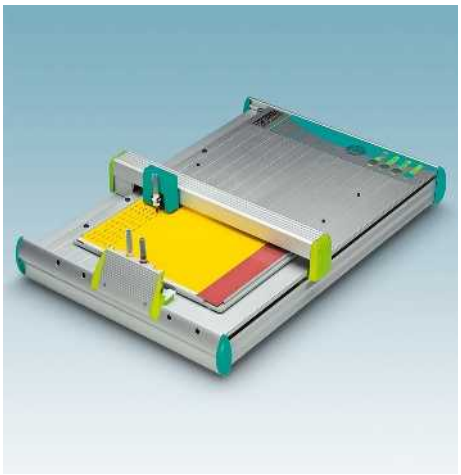
Technical data

General data		
Can be printed with:		Office printing systems
Material		Polyester
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Sheet of labels for laser printer, DIN A4				
1 sheet = 273 labels	white	**BMKL 12X12 WH**	**5032361**	10
1 sheet = 290 labels	white	**BMKL 15X 9 WH**	**0803663**	10
1 sheet = 396 labels	white	**BMKL 18X 6 WH**	**5032293**	10
1 sheet = 288 labels	white	**BMKL 18X 8 WH**	**5032329**	10
1 sheet = 224 labels	white	**BMKL 20X 8 WH**	**5032280**	10
1 sheet = 224 labels	white	**BMKL 25X 8 WH**	**5032332**	10
1 sheet = 147 labels	white	**BMKL 25X12 WH**	**5032374**	10
1 sheet = 228 labels	white	**BMKL 26,8X6,8 WH**	**0807106**	10
1 sheet = 63 labels	white	**BMKL 50X12 WH**	**5032387**	10
1 sheet = 45 labels	white	**BMKL 64X16 WH**	**0821807**	2
1 sheet = 21 labels	white	**BMKL 64X34 WH**	**5032400**	10
1 sheet = 290 labels	yellow	**BMKL 15X 9 YE**	**5032497**	10
1 sheet = 405 labels	yellow	**BMKL 16X 6 YE**	**0807096**	10
1 sheet = 288 labels	yellow	**BMKL 18X 8 YE**	**5032170**	10
1 sheet = 168 labels	yellow	**BMKL 19X11 YE**	**0800705**	10
1 sheet = 224 labels	yellow	**BMKL 20X 8 YE**	**5032138**	10
1 sheet = 162 labels	yellow	**BMKL 26X10 YE**	**0811516**	10
1 sheet = 45 labels	yellow	**BMKL 64X16 YE**	**0821810**	2
1 sheet = 192 labels	silver	**BMKL 27X 8 SR**	**0803702**	10
1 sheet = 126 labels	silver	**BMKL 27X12,5 SR**	**0803676**	10
1 sheet = 84 labels	silver	**BMKL 27X18 SR**	**0803689**	10
1 sheet = 54 labels	silver	**BMKL 27X27 SR**	**0803692**	10
1 sheet = 360 labels	orange	**BMKL 18X 6,5 OG**	**5036147**	10
Label sheets, labeled acc. to customer specifications[1])				
1 sheet = 273 labels	white	**BMKL 12X12 WH CUS**	**0824238**	1
1 sheet = 290 labels	white	**BMKL 15X 9 WH CUS**	**0824239**	1
1 sheet = 396 labels	white	**BMKL 18X 6 WH CUS**	**0824242**	1
1 sheet = 288 labels	white	**BMKL 18X 8 WH CUS**	**0824244**	1
1 sheet = 224 labels	white	**BMKL 20X 8 WH CUS**	**0824247**	1
1 sheet = 224 labels	white	**BMKL 25X 8 WH CUS**	**0824249**	1
1 sheet = 147 labels	white	**BMKL 25X12 WH CUS**	**0824250**	1
1 sheet = 228 labels	white	**BMKL 26,8X6,8 WH CUS**	**0824251**	1
1 sheet = 63 labels	white	**BMKL 50X12 WH CUS**	**0824257**	1
1 sheet = 45 labels	white	**BMKL 64X16 WH CUS**	**0824259**	1
1 sheet = 21 labels	white	**BMKL 64X34 WH CUS**	**0824261**	1
1 sheet = 290 labels	yellow	**BMKL 15X 9 YE CUS**	**0824240**	1
1 sheet = 405 labels	yellow	**BMKL 16X 6 YE CUS**	**0824241**	1
1 sheet = 288 labels	yellow	**BMKL 18X 8 YE CUS**	**0824245**	1
1 sheet = 168 labels	yellow	**BMKL 19X11 YE CUS**	**0824246**	1
1 sheet = 224 labels	yellow	**BMKL 20X 8 YE CUS**	**0824248**	1
1 sheet = 162 labels	yellow	**BMKL 26X10 YE CUS**	**0824252**	1
1 sheet = 45 labels	yellow	**BMKL 64X16 YE CUS**	**0824260**	1
1 sheet = 192 labels	silver	**BMKL 27X 8 SR CUS**	**0824253**	1
1 sheet = 126 labels	silver	**BMKL 27X12,5 SR CUS**	**0824254**	1
1 sheet = 84 labels	silver	**BMKL 27X18 SR CUS**	**0824255**	1
1 sheet = 54 labels	silver	**BMKL 27X27 SR CUS**	**0824256**	1
1 sheet = 360 labels	orange	**BMKL 18X 6,5 OG CUS**	**0824243**	1
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



– Self-adhesive labels for labeling by hand or with a plotter
– Secure adhesion even on curved or uneven surfaces as well as at corners
– Available in various dimensions
– Labeling service: Phoenix Contact can custom-label all BMK ... markers in accordance with your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Plotter

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		CMS-P1-PLOTTER
Material		Polyester foil
Temperature range	[°C]	-40 ... 80
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Label sheet				
1 sheet = 270 labels	white	**BMK 20X 8 WH**	**0805470**	10
1 sheet = 324 labels	yellow	**BMK 15X 9 YE**	**5031605**	10
1 sheet = 198 labels	yellow	**BMK 19X11 YE**	**5031582**	10
1 sheet = 270 labels	yellow	**BMK 20X 8 YE**	**5031388**	10
1 sheet = 88 labels	yellow	**BMK 38X11 YE**	**5031676**	10
Labels, labeled according to customer requirements[1])				
1 sheet = 270 labels	white	**BMK 20X 8 WH CUS**	**0824231**	1
1 sheet = 324 labels	yellow	**BMK 15X 9 YE CUS**	**0824229**	1
1 sheet = 198 labels	yellow	**BMK 19X11 YE CUS**	**0824230**	1
1 sheet = 270 labels	yellow	**BMK 20X 8 YE CUS**	**0824232**	1
1 sheet = 88 labels	yellow	**BMK 38X11 YE CUS**	**0824233**	1

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

Stick-on device marking, can be engraved or labeled with writing

- 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 labeled using the CMS−P1−PLOTTER
- Can be engraved using the P1 ENGRAVING UNIT
- Two-layer material
- Labeling service: Phoenix Contact can custom-label all GPE ... markers in accordance with your requirements

Notes:

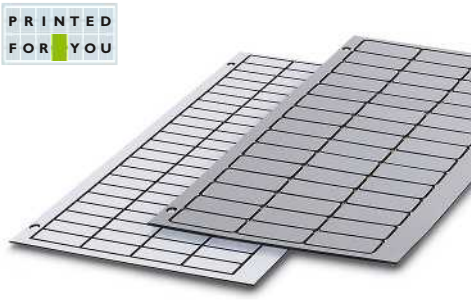
For matching magazines to accommodate the label sheets, see page 46.

[1]) For ordering example, see page 359.

Can be printed with:

Engraving

Plotter



Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		P1 ENGRAVING UNIT • CMS-P1-PLOTTER
Material		TRANSPLY-ABS
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.
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, labeled according to customer requirements[1])				
1 sheet = 120 labels	white	**GPE 13X 9 WH CUS**	**0824414**	1
1 sheet = 75 labels	white	**GPE 17,5X12 WH CUS**	**0824415**	1
1 sheet = 100 labels	white	**GPE 20X 7 WH CUS**	**0824416**	1
1 sheet = 88 labels	white	**GPE 20X 8 WH CUS**	**0824417**	1
1 sheet = 60 labels	white	**GPE 22X12 WH CUS**	**0824418**	1
1 sheet = 9 labels	white	**GPE 52X26 WH CUS**	**0824429**	1
1 sheet = 9 labels	white	**GPE 60X30 WH CUS**	**0824432**	1
1 sheet = 21 labels	red/white	**GPE 60X12 RD-WH CUS**	**0827720**	1
1 sheet = 5 labels	yellow	**GPE 70X32 YE CUS**	**0827721**	1
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
Plastic label sheet, with rounded corners, radius 2 mm, **labeled according to customer requirements**[1])				
1 sheet = 66 labels	white	**GPE 27X 8 WH/R CUS**	**0824421**	1
1 sheet = 30 labels	white	**GPE 27X18 WH/R CUS**	**0824424**	1
1 sheet = 26 labels	white	**GPE 45X14 WH/R CUS**	**0824428**	1
1 sheet = 21 labels	white	**GPE 60X12 WH/R CUS**	**0824431**	1
1 sheet = 9 labels	white	**GPE 60X30 WH/R CUS**	**0824433**	1
1 sheet = 32 labels	silver	**GPE 22X22 SR/R CUS**	**0824419**	1
1 sheet = 66 labels	silver	**GPE 27X 8 SR/R CUS**	**0824420**	1
1 sheet = 42 labels	silver	**GPE 27X12,5 SR/R CUS**	**0824422**	1
1 sheet = 30 labels	silver	**GPE 27X18 SR/R CUS**	**0824423**	1
1 sheet = 18 labels	silver	**GPE 27X27 SR/R CUS**	**0824425**	1
1 sheet = 30 labels	silver	**GPE 28X17,5 SR CUS**	**0824426**	1
1 sheet = 26 labels	silver	**GPE 45X14 SR/R CUS**	**0824427**	1
1 sheet = 21 labels	silver	**GPE 60X12 SR/R CUS**	**0824430**	1

Stick-on device marking, can be engraved or labeled with writing

- High level of resistance to chemical and mechanical effects
- High-quality appearance
- Can be easily labeled using the CMS−P1−PLOTTER
- Can be engraved using the P1 ENGRAVING UNIT
- For marking components, devices, and buttons
- Labeling service: Phoenix Contact can custom-label all EMLP ... markers in accordance with your requirements

Notes:

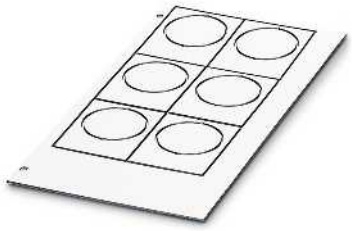
[1]) For ordering example, see page 359.

Can be printed with:

Engraving

Plotter

PRINTED FOR YOU



Unlabeled or labeled according to customer specifications

Technical data

General data	
Can be printed with:	P1 ENGRAVING UNIT • CMS-P1-PLOTTER
Material	TRANSPLY-ABS
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.
Plastic label sheet, with a hole for 24 mm Ø pushbutton, self-adhesive double-layer plastic labels, material thickness: 0.8 mm				
1 sheet = 6 labels	white	**EMLP 24 (30X12)**	**0822301**	1
1 sheet = 6 labels	black	**EMLP 24 (30X12) BK**	**0822314**	1
1 sheet = 6 labels	silver	**EMLP 24 (30X12) SR**	**0822330**	1
Plastic label sheet, with a hole for a 24 mm Ø button, self-adhesive double-layer plastic labels, material thickness: 0.8 mm, **labeled according to customer specifications**[1])				
1 sheet = 6 labels	white	**EMLP 24 (30X12) CUS**	**0824364**	1
1 sheet = 6 labels	black	**EMLP 24 (30X12) BK CUS**	**0824365**	1
1 sheet = 6 labels	silver	**EMLP 24 (30X12) SR CUS**	**0824366**	1
Plastic label sheet, with a hole for 32 mm Ø pushbutton, self-adhesive double-layer plastic labels, material thickness: 0.8 mm				
1 sheet = 6 labels	white	**EMLP 32 (38X14)**	**0822291**	1
1 sheet = 6 labels	black	**EMLP 32 (38X14) BK**	**0822327**	1
1 sheet = 6 labels	silver	**EMLP 32 (38X14) SR**	**0822343**	1
Plastic label sheet, with a hole for a 32 mm Ø button, self-adhesive double-layer plastic labels, material thickness: 0.8 mm, **labeled according to customer specifications**[1])				
1 sheet = 6 labels	white	**EMLP 32 (38X14) CUS**	**0824371**	1
1 sheet = 6 labels	black	**EMLP 32 (38X14) BK CUS**	**0824372**	1
1 sheet = 6 labels	silver	**EMLP 32 (38X14) SR CUS**	**0824373**	1

Accessories

Magazine, to hold 1 GPE label sheet	**CMS-P1-M/GPE ENGRAVING**	**5145711**	1

Marker carrier

For snap-in labels

- CARRIER−EMP ... marker carriers are used in conjunction with UC−EMP ... / US−EMP ... snap-in labels
- They are used to clearly identify devices and control cabinets
- They can be assembled using screws or rivets

Technical data

General data		
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 105
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marker carriers, for UC−EMP ... / US−EMP ... snap-in labels				
Marker size: 17 x 15 mm	black	**CARRIER-EMP (17X15)**	**0827450**	80
Marker size: 27 x 15 mm	black	**CARRIER-EMP (27X15)**	**0827451**	80
Marker size: 49 x 15 mm	black	**CARRIER-EMP (49X15)**	**0827452**	40
Marker size: 60 x 15 mm	black	**CARRIER-EMP (60X15)**	**0827453**	40
Marker size: 60 x 30 mm	black	**CARRIER-EMP (60X30)**	**0827454**	30
Marker size: 85 x 54 mm	black	**CARRIER-EMP (85,6X54)**	**0829365**	10

Marker carriers, can be labeled using snap-in markers for control devices

For buttons and switches 22 mm in diameter

- Snap-in UC-/US-EMP … labels are available for marking CARRIER-EMP 22 ... marker carriers
- Can be used for all buttons and switches with 22 mm diameter

Technical data

General data		
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 105
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marker carriers, for UC−EM ... / US−EMP ... snap-in labels				
Marker size: 27 x 8 mm	black	**CARRIER-EMP 22 (27X8)**	**0827445**	50
Marker size: 27 x 12.5 mm	black	**CARRIER-EMP 22 (27X12,5)**	**0827446**	50
Marker size: 27 x 15 mm	black	**CARRIER-EMP 22 (27X15)**	**0827447**	50
Marker size: 27 x 18 mm	black	**CARRIER-EMP 22 (27X18)**	**0827448**	50
Marker size: 27 x 27 mm	black	**CARRIER-EMP 22 (27X27)**	**0827449**	50

Marker carriers, can be labeled using control device labels

- Can be used for all buttons and switches with a 22 mm diameter
- The large labeling areas provided by the CARRIER−EMLP can be custom-labeled using EML ... thermal transfer labels
- EMLPR ... transparent adhesive protective foil can be used for additional protection of the label surfaces

For buttons and switches 22 mm in diameter

Technical data

General data		
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 105
Components		free from silicone and halogen
Button diameter	[mm]	22

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marker carrier, for buttons and switches with 22 mm diameter, can be labeled with EML ... self-adhesive labels				
Marker size: 27 x 8 mm	black	**CARRIER-EMLP 22 (27X8)**	**0828984**	50
Marker size: 27 x 12.5 mm	black	**CARRIER-EMLP 22 (27X12,5)**	**0828985**	50
Marker size: 27 x 15 mm	black	**CARRIER-EMLP 22 (27X15)**	**0828986**	50
Marker size: 27 x 18 mm	black	**CARRIER-EMLP 22 (27X18)**	**0828987**	50
Marker size: 27 x 27 mm	black	**CARRIER-EMLP 22 (27X27)**	**0828988**	50

Transparent stick-on or snap-in cover

- Stuck or snapped onto labeled CARRIER ... to protect the labels
- Extremely thick, yet flexible and transparent shock protection
- High level of mechanical and chemical stability
- Suitable for permanent outdoor use

Shock protection

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Shock protection 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
Shock protection, designed for snapping into CARRIER-EMP ...				
	transparent	**EMPPR (27X15)**	**0829535**	50
	transparent	**EMPPR (27X18)**	**0829536**	50

Marking profiles

- Self-adhesive marker carriers, available by the meter for shortening as per 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

Designed to be stuck on

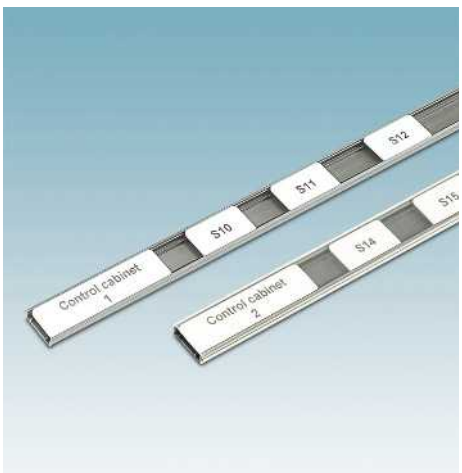
Technical data

General data		
Material		PVC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-15 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Profile, self-adhesive, for accommodating SS-ZB labels, UC−EM (20X9), UCT-EM (20X9), length: 1 m	gray	**P-SS-ZB 100**	**1013737**	10
Profile, self-adhesive, designed to accommodate UC−TM ..., UCT−TM ..., ZB ..., length: 1m	gray	**P-ZB METER**	**1051854**	1

Marking profiles



- CARRIER−EMP ... marker carriers can be custom-labeled with UC−EMP .../US−EMP ... and EMT ... device markers
- For marking devices
- For marking assemblies
- For marking control and switchgear

Designed to be stuck on or for screwing/riveting

Technical data

General data		
Material		PVC
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 105
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Profile, for screwing or riveting, 1000 mm long, for accommodating UC-.../US-... and EMT ... material with a height of 15 mm	gray	**CARRIER-EMP (1000X15) GY**	**0829366**	25
	transparent	**CARRIER-EMP (1000X15) TR**	**0829530**	25
Profile, self-adhesive, 1000 mm long, for accommodating UC-.../US-... and EMT ... material with a height of 15 mm	gray	**CARRIER/L-EMP (1000X15) GY**	**0829559**	25
	transparent	**CARRIER/L-EMP (1000X15) TR**	**0829560**	25
CARRIER cover, 1000 mm long	transparent	**CARRIER-EMP (1000X15) COVER**	**0829520**	25

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

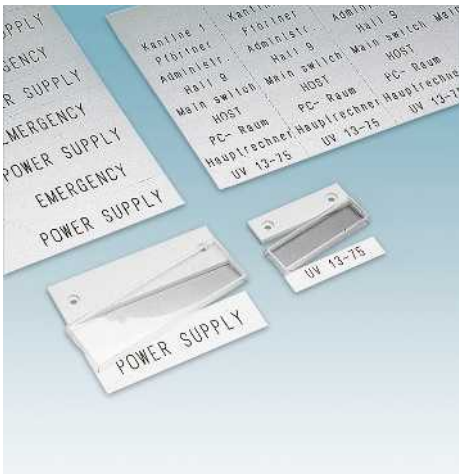
Technical data

General data		
Material		PVC
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 60
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Component marking label, self-adhesive, can be labeled with UC-WMT ..., US-WMT ..., EMT ..., and UCT-WMT				
Lettering field size: 15 x 4 mm	transparent	**PAB-SK 15**	**1013287**	500
Lettering field size: 30 x 4 mm	transparent	**PAB-SK 30**	**1013290**	200
UniCard, with insert strips for PATG and PATO marking collars				
	white	**UC-WMT (15X4)**	**0819398**	10
	yellow	**UC-WMT (15X4) YE**	**0819408**	10
	white	**UC-WMT (30X4)**	**0819437**	10
	yellow	**UC-WMT (30X4) YE**	**0819440**	10
UniSheet, with insert strips for PATG and PATO marking collars				
	white	**US-WMT (15X4)**	**0828767**	10
	yellow	**US-WMT (15X4) YE**	**0828954**	10
	white	**US-WMT (30X4)**	**0828770**	10
	yellow	**US-WMT (30X4) YE**	**0828957**	10
UniCard, with insert strips for PATG and PATO marking collars				
	white	**UCT-WMT (15X4)**	**0801446**	10
	yellow	**UCT-WMT (15X4) YE**	**0801447**	10
	white	**UCT-WMT (30X4)**	**0801422**	10
	yellow	**UCT-WMT (30X4) YE**	**0801423**	10

Marker carriers with cover



- Control cabinet markers consisting of a transparent cap and a base carrier
- The base carrier features two fixing holes so that it can be screwed on
- Once labeled, the insert label is inserted in the cap and this is then snapped onto the base carrier
- The labeling is protected against external influences
- The ES−SSMK ... insert strips can be labeled using the CMS−P1−PLOTTER and the CMS−P1−PAD magazine

Can be printed with:

Plotter

For screw or rivet fixing

Technical data

General data		
Can be printed with:		CMS-P1-PLOTTER
Material		PC
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 115
Components		free from silicone and halogen
Drill hole spacing	[mm]	40
Hole diameter	[mm]	3.5

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Control cabinet marker, two mounting holes M3				
Size: 60 x 18 mm, lettering field: 56 x 14 mm, incl. 1 x ES-SSMK-GB 60X18	transparent/ white	**SSMK 60X18**	**5032439**	50
Size: 96 x 30 mm, lettering field: 92 x 26 mm, incl. 1 x ES-SSMK-GB 90X30	transparent/ white	**SSMK 96X30**	**5032442**	50

Accessories

Large format sheet insert strips, can be labeled with plotter, DIN A4, perforated, material: cardboard				
1 sheet = 75 strips, labeling field: 56 x 14 mm	transparent/ white	**ES-SSMK-GB 60X18**	**5032468**	10
1 sheet = 22 strips, labeling field: 92 x 26 mm	transparent/ white	**ES-SSMK-GB 96X30**	**5032455**	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 labeled to protect them
- High level of mechanical and chemical stability
- Suitable for permanent outdoor use

Shock protection

Technical data

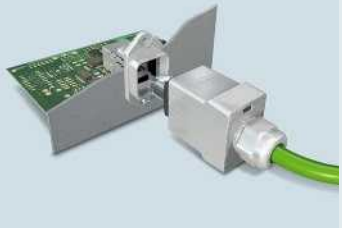
General data	
Material	Polyester foil
Components	Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Shock protection foil, designed for sticking into CARRIER-EMLP ...				
51 labels per sheet	transparent	**EMLPR (26,5X14,5)**	**0800546**	10
42 labels per sheet	transparent	**EMLPR (26,5X17,5)**	**0800360**	10
30 labels per sheet	transparent	**EMLPR (26,5X26,5)**	**0800361**	10
14 labels per sheet	transparent	**EMLPR (30X40)**	**0800359**	10
6 labels per sheet	transparent	**EMLPR (80X42)**	**0800357**	10
4 labels per sheet	transparent	**EMLPR (80X60)**	**0800358**	10
9 labels per sheet	transparent	**EMLPR (100X30)**	**0800362**	10

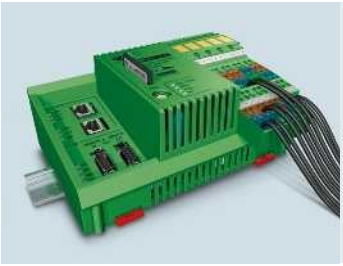
Device marking for Phoenix Contact

Catalog 7: interface technology and switchgear	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
INTERFACE Relay PLC power terminal block Order No. 2966508							■	■			■	■	
INTERFACE Relay PLC-B..., PLC-O..., PLC-R...	■	■											
DEK-REL… relay terminal block	■	■											
DEK-OE… special relays	■	■											
DEK-TR… inverter module	■	■						■	■	■		■	
COMPACT-LINE UM 45...				■		■							
PROCESS INTERFACE PI-EX...			■		■								
RIFLINE complete													■



Catalog 4: sensor/actuator cabling and industrial plug-in connectors	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)
SACB with M8 slots					■								
SACB with M12 slots						■							
SACB with M5 slots		■											
SACB-SPEEDCON distributor boxes with M12 slots and metal threads								■			■		
SACB-SPEEDCON distributor boxes with M12 slots and plug-in screw connection								■			■		
Distributor boxes with QUICKON slots								■			■		
Sensor/actuator cabling accessories							■						
PSR-SACB sensor box with M12 slots						■							
VS-SCRJ…, VS-IL-2X… data plug-in connectors				■									
ASI CC DIST… AS-Interface distributor				■									
VS-SI... front plate									■			■	
HC-M… modular contact insert										■			■
HEAVYCON HC-B...A... heavy-duty plug-in connectors			■										
HEAVYCON HC-D...A... heavy-duty plug-in connectors	■												

Catalog 6: surge protection and power supply units	UC-TM 6	UCT-TM 6	UC-TMF 5	UC-TMF 18	UCT-TMF 5	UCT-TMF 18
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	■	■				



Catalog 8: control technology, I/O systems, automation infrastructure	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)
Inline			■			■						
INTERBUS ST...	■	■										
Fieldline... M8				■			■					
Fieldline... M12					■			■				
Axioline F series										■	■	■
Axioline E series									■			

Device marking for devices from other manufacturers

	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)
ABB							
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	■

Device marking for devices from other manufacturers

CONTA-CLIP	UCT-EM (5X10)	UCT-EM (6X10)	UC-EM (20X9) UCT-EM (20X9)
PRSU	■		
CP V4, optocoupler, AOP		■	
PGSV, PSP			■

ESCHA	UCT-EM (10X5)	UCT-EM (20X8)	UC-EM (20X9) UCT-EM (20X9)
Distributor block MB	■		
Distributor block FK/FKS		■	■
M12 distributor			■
Distributor block 8MB			■

FESTO	UCT-EM (6X10)	UCT-EM (17X9)	UCT-EM (17X10)	UC-EM (20X9) UCT-EM (20X9)
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)
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 for devices from other manufacturers

	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)
Lumberg								
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 connector 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/MF...W/MIB		■									■	
MVK-I bus module Order No. ME 553300		■									■	
NEF mains interference filter, RMM/RMME, UFL/UG-SB/UGS/SV/LUGS/PKB		■									■	
Valve connector type A, B, BI, C, CI, distributor MVB 8V		■									■	

Device marking for devices from other manufacturers

	UC-EM (20X9)	UCT-EM (10X5)	UCT-EM (10X8)	UCT-EM (20X9)
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 (18X8)	UC-EM (21X8)	UCT-EM (17X8)	UCT-EM (18X8)	UCT-EM (21X8)
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 (10X7)	UC-EM (10X8)	UC-EM (20X7)	UC-EM (20X9)	EMT (50/28X13)R...	EMT (50X26)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…				■									■
ASIsafe 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...		■								■			
Contactor, auxiliary contactor, contactor combination, auxiliary switch block			■									■	
Auxiliary switch blocks 3RH 1921...	■		■						■			■	
EMI interference suppression 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					■	■							
S7-300			■				■	■				■	
ET 200SP											■		
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

	UC-EM (18X8)	UC-EM (21X8)	UCT-EM (18X8)	UCT-EM (21X8)
Telemecanique				
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

	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)	UC-EMP (27X18) US-EMP (27X18) US-EMLP (27X18) EML (26,5X17,5)R ... EMLP (27X18)R SR	UC-EMP (27X27) US-EMP (27X27) US-EMLP (27X27) EML (26,5X26,5)R SR EMLP (27X27)R SR
Phoenix Contact					
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)					■

	UC-EMP (17X15) US-EMP (17X15)	UC-EMP (27X15) US-EMP (27X15)	UC-EMP (49X15) US-EMP (49X15)	UC-EMP (60X15) US-EMP (60X15)	UC-EMP (60X30) US-EMP (60X30)	US-EMP (85,6X54)
Phoenix Contact						
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										■

PROPANE
OXYGEN
COOLING WATER
400 V
400 V

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 offers 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 labeling.

Product range overview

System marking	**318**
PML-W... warning labels	
Unlabeled warning labels, UniSheet material	**320**
Unlabeled warning labels, supplied in rolls	**321**
Preprinted warning labels	**322**
PML-P... prohibition signs	
Unlabeled prohibition signs, UniSheet material	**326**
Unlabeled prohibition signs, supplied in rolls	**327**
Preprinted prohibition signs	**328**
PML-M... mandatory signs	
Unlabeled mandatory signs, UniSheet material	**334**
Unlabeled mandatory signs, supplied in rolls	**335**
Preprinted mandatory signs	**336**
PML-T... pipeline signs	
Unlabeled pipeline signs, supplied in rolls	**342**
PML-GHS... hazardous substances labels	
Unlabeled hazardous substances labels, UniSheet material	**348**
Unlabeled hazardous substances labels, supplied in rolls	**349**
Preprinted hazardous substances labels	**350**
US-EMLF... combi labels	
Unlabeled combi labels, UniSheet material	**354**
PMM... magnetic labels	
Unlabeled magnetic labels, supplied in rolls	**356**
Ordering example for labeling service - printed for you	**359**

Unambiguous marking of systems helps to avoid operating errors and is therefore a key component of occupational safety. Information and safety signs also provide important information on site, making it easier to maintain systems.

Phoenix Contact offers a wide range of labels which meet the legal requirements for correct system marking. Depending on the type, they can be labeled using the THERMOMARK LINE thermal transfer printers. The labels are characterized by a high level of wipe and scratch resistance.

Multicolored symbol signs can be custom-designed using the THERMOMARK CARD PLUS.

Please contact us if you are unable to find a suitable size or color for your application from the options available in our product range. It goes without saying that Phoenix Contact also offers a comprehensive labeling 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 unlabeled 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.

UniSheet - stick-on warning labels, unlabeled

The unlabeled 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

– Labeling service: Phoenix Contact can custom-label all US-PML ... warning labels according to your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

N

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet, with self-adhesive warning labels, triangular				
24-section, side length: 25 mm	yellow	**US-PML-W100 (25X25)**	**1014125**	10
6-section, side length: 50 mm	yellow	**US-PML-W100 (50X50)**	**1014126**	10
1-section, side length: 100 mm	yellow	**US-PML-W100 (100X100)**	**1014127**	10
UniSheet, with self-adhesive warning labels, triangular with additional rectangular lettering field				
16-section, side length: 25 mm	yellow	**US-PML-W200 (25X25)**	**1014131**	10
4-section, side length: 50 mm	yellow	**US-PML-W200 (50X50)**	**1014132**	10
1-section, side length: 100 mm	yellow	**US-PML-W200 (100X100)**	**1014133**	10
UniSheet, with self-adhesive warning labels, triangular, **labeled according to customer specifications**[1])				
24-section, side length: 25 mm	yellow	**US-PML-W100 (25X25) CUS**	**1014128**	1
6-section, side length: 50 mm	yellow	**US-PML-W100 (50X50) CUS**	**1014129**	1
1-section, side length: 100 mm	yellow	**US-PML-W100 (100X100) CUS**	**1014130**	1
UniSheet, with self-adhesive warning labels, triangular with additional rectangular lettering field, **labeled according to customer specifications**[1])				
16-section, side length: 25 mm	yellow	**US-PML-W200 (25X25) CUS**	**1014134**	1
4-section, side length: 50 mm	yellow	**US-PML-W200 (50X50) CUS**	**1014135**	1
1-section, side length: 100 mm	yellow	**US-PML-W200 (100X100) CUS**	**1014136**	1

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials	**THERMOMARK CARD-US-MAG1**	**5146451**	1

Stick-on warning labels, unlabeled

The unlabeled 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
– Labeling service: Phoenix Contact can custom-label all PML ... warning labels according to your requirements

Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Warning label, triangular				
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
Warning label, triangular, **labeled according to customer specifications**[1])				
3 labels per strip, side length: 25 mm	yellow	**PML-W100 (25X25)R CUS**	**0830493**	1
1 label per strip, side length: 50 mm	yellow	**PML-W100 (50X50)R CUS**	**0830494**	1
1 label per strip, side length: 100 mm	yellow	**PML-W100 (100X100)R CUS**	**0830495**	1
Warning label, triangular, additional rectangular lettering field, **labeled according to customer specifications**[1])				
3 labels per strip, side length: 25 mm	yellow	**PML-W200 (25X25)R CUS**	**0830496**	1
1 label per strip, side length: 50 mm	yellow	**PML-W200 (50X50)R CUS**	**0830497**	1
1 label per strip, side length: 100 mm	yellow	**PML-W200 (100X100)R CUS**	**0830498**	1
Warning label, rectangular, **labeled according to customer specifications**[1])				
1 label per strip, width: 52 mm, height: 26 mm	yellow	**PML-W300 (52X26)R CUS**	**0830499**	1
1 label per strip, width: 74 mm, height: 37 mm	yellow	**PML-W300 (74X37)R CUS**	**0830500**	1
1 label per strip, width: 105 mm, height: 52 mm	yellow	**PML-W300 (105X52)R CUS**	**0830501**	1

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

Technical data

General 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, 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

		Technical data	Technical data
General data			
Material		PVC	PVC
Temperature range	[°C]	-40 ... 90	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free	Silicone-free

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Warning label, triangular with lightning flash, additional rectangular lettering field, printed text: “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

Stick-on warning labels, with lightning flash and warning instruction

– Printed cards
– Suitable for indoor and outdoor use

Technical data

General 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!”				
27 labels per sheet, W x H: 52 x 26 mm	yellow			
12 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!”				
27 labels per sheet, W x H: 52 x 26 mm	yellow			
12 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!”				
27 labels per sheet, W x H: 52 x 26 mm	yellow			
12 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!”				
27 labels per sheet, W x H: 52 x 26 mm	yellow			
12 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

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 www.phoenixcontact.net/products.

[1]) For ordering example, see page 359.

PRINTED FOR YOU

N

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Prohibition sign, color preprinted, without symbols				
4-section, diameter: 50 mm	red/white	**US-PML-P100 (D50)**	**1014217**	10
1-section, diameter: 100 mm	red/white	**US-PML-P100 (D100)**	**1014218**	10
Prohibition sign, color preprinted, without symbols, **labeled according to customer specifications**[1])				
4-section, diameter: 50 mm	red/white	**US-PML-P100 (D50) CUS**	**1014219**	1
1-section, diameter: 100 mm	red/white	**US-PML-P100 (D100) CUS**	**1014220**	1

UniSheet - stick-on prohibition sign, unprinted

– The unlabeled PML prohibition signs allow you to create custom prohibition notices in color with the THERMOMARK CARD PLUS
– A variety of symbols are available in the CLIP PROJECT software

Notes:

For the matching ink ribbon (1014403) and magazine (5146451), for THERMOMARK CARD, for accommodating all US materials, see page 348.

[1]) For ordering example, see page 359.

PRINTED FOR YOU

N

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS
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, unprinted				
4-section, diameter: 50 mm	white	**US-PML-P200 (D50)**	**1014221**	10
1-section, diameter: 100 mm	white	**US-PML-P200 (D100)**	**1014222**	10
Prohibition sign, unprinted, **labeled according to customer specifications**[1])				
4-section, diameter: 50 mm	white	**US-PML-P200 (D50) CUS**	**1014223**	1
1-section, diameter: 100 mm	white	**US-PML-P200 (D100) CUS**	**1014224**	1

N

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
– Labeling service: Phoenix Contact can custom-label all PML ... markers according to your requirements

Notes:

[1]) For ordering example, see page 359.

PRINTED FOR YOU

Unlabeled or labeled according to customer specifications

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Prohibition sign, color preprinted, without symbols				
500 labels per roll, diameter: 50 mm	red/white	**PML-P100 (D50)R**	**1014225**	1
250 labels per roll, diameter: 100 mm	red/white	**PML-P100 (D100)R**	**1014226**	1
Prohibition sign, color preprinted, without symbols, **labeled according to customer specifications**[1])				
1 label per strip, diameter: 50 mm	red/white	**PML-P100 (D50)R CUS**	**1014227**	1
1 label per strip, diameter: 100 mm	red/white	**PML-P100 (D100)R CUS**	**1014228**	1

Stick-on prohibition signs, preprinted with symbols

N

Symbol - No smoking

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

Technical data

General 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 smoking” symbol				
3-section, diameter: 50 mm	red/white	**PML-P101 (D50)**	**1014184**	5
3-section, diameter: 100 mm	red/white	**PML-P101 (D100)**	**1014185**	5
1-section, diameter: 200 mm	red/white	**PML-P101 (D200)**	**1014186**	5
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			

N

Symbol - Do not connect

N

Symbol - Forbidden for persons with pacemakers

N

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

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

N

Symbol - Do not walk here

N

Symbol - No fire, naked lights or smoking

	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.
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						

N

Symbol - Do not reach in

N

Symbol - Do not extinguish with water

N

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

Stick-on prohibition signs, preprinted with symbols

N

- 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

Technical data

General 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			

N

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

UniSheet - stick-on mandatory signs, color preprinted, without symbols

The unlabeled 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
– Labeling service: Phoenix Contact can custom-label all US-PML ... markers according to your requirements

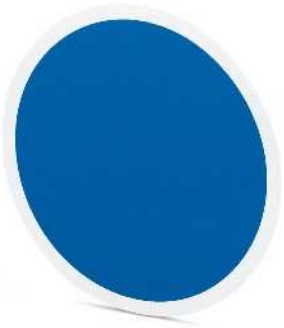
Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for sheets and cards

PRINTED FOR YOU



Unlabeled or labeled according to customer specifications

N

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Mandatory sign, color preprinted, without symbols				
4-section, diameter: 50 mm	blue	**US-PML-M100 (D50)**	**1014176**	10
1-section, diameter: 100 mm	blue	**US-PML-M100 (D100)**	**1014177**	10
Mandatory sign, unprinted, **labeled according to customer specifications**[1])				
4-section, diameter: 50 mm	blue	**US-PML-M100 (D50) CUS**	**1014178**	1
1-section, diameter: 100 mm	blue	**US-PML-M100 (D100) CUS**	**1014179**	1

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials		**THERMOMARK CARD-US-MAG1**	**5146451**	1
Ink ribbon, length: 300 m, width: 110 mm	white	**TM-RIBBON 110-TC/TR WH**	**1014402**	1

Stick-on mandatory signs, color preprinted, without symbols

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
– Labeling service: Phoenix Contact can custom-label all markers according to your requirements

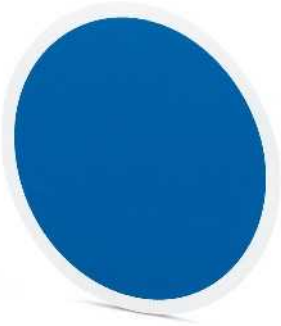
Notes:

[1]) For ordering example, see page 359.

Can be printed with:

Thermal transfer for rolls

PRINTED FOR YOU



Unlabeled or labeled according to customer specifications

N

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Mandatory sign, color preprinted, without symbols				
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
Mandatory sign, color preprinted, without symbols, **labeled according to customer specifications**[1])				
1 label per strip, diameter: 50 mm	blue	**PML-M100 (D50)R CUS**	**1014182**	1
1 label per strip, diameter: 100 mm	blue	**PML-M100 (D100)R CUS**	**1014183**	1

Accessories

Ink ribbon, length: 300 m, width: 110 mm	white	**TM-RIBBON 110-TC/TR WH**	**1014402**	1

Stick-on mandatory signs, preprinted, with symbols

N

Symbol - General mandatory action symbol

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

Technical data

General 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.
Mandatory sign, preprinted with "General mandatory action symbol"				
3-section, diameter: 50 mm	blue	**PML-M101 (D50)**	**1014137**	5
3-section, diameter: 100 mm	blue	**PML-M101 (D100)**	**1014138**	5
1-section, diameter: 200 mm	blue	**PML-M101 (D200)**	**1014139**	5
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			

N

Symbol - Wear safety goggles

N

Symbol - Observe instructions for use

N

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

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

N

Symbol - Wear face shield

N

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						

N

Symbol - Use face mask

N

Symbol - Wear protective gloves

N

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

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

N

Symbol - Disconnect before starting work

N

Symbol - Wear conductive footwear

		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 “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						

N

Symbol - Wear head cover

N

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

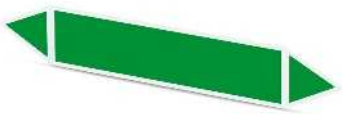
Stick-on pipeline markers, unlabeled

Can be printed with:

N

PRINTED FOR YOU

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
– Labeling service: Phoenix Contact can custom-label all markers according to your requirements

Notes:

[1]) For ordering example, see page 359.

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

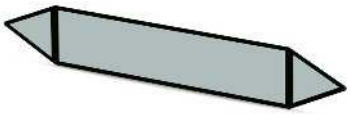
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Pipeline markers, green, group 1 (water), unprinted				
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			
Pipeline markers, green, group 1 (water), **labeled according to customer specifications**[1])				
3 labels per strip, marker size: 26 x 280 mm	green	**PML-T101 (26X280)R CUS**	**1014249**	1
1 label per strip, marker size: 52 x 560 mm	green	**PML-T101 (52X560)R CUS**	**1014250**	1
Pipeline markers, red, group 2 (steam), **labeled according to customer specifications**[1])				
3 labels per strip, marker size: 26 x 280 mm	red			
1 label per strip, marker size: 52 x 560 mm	red			
Pipeline markers, gray, group 3 (air), **labeled according to customer specifications**[1])				
3 labels per strip, marker size: 26 x 280 mm	gray			
1 label per strip, marker size: 52 x 560 mm	gray			
Pipeline markers, yellow/red, group 4 (combustible gases), **labeled according to customer specifications**[1])				
3 labels per strip, marker size: 26 x 280 mm	yellow/red			
1 label per strip, marker size: 52 x 560 mm	yellow/red			

N

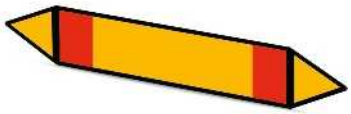
Group 2 (steam)

N



Group 3 (air)

N



Group 4 (combustible gases)

Technical data
THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Technical data
THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Technical data
THERMOMARK ROLL • THERMOMARK ROLL X1 • 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
PML-T102 (26X280)R CUS	1014251	1
PML-T102 (52X560)R CUS	1014252	1

Ordering data

Type	Order No.	Pcs. / Pkt.
PML-T103 (26X280)R	1014233	1
PML-T103 (52X560)R	1014234	1
PML-T103 (26X280)R CUS	1014253	1
PML-T103 (52X560)R CUS	1014254	1

Ordering data

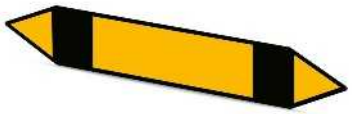
Type	Order No.	Pcs. / Pkt.
PML-T104 (26X280)R	1014235	1
PML-T104 (52X560)R	1014236	1
PML-T104 (26X280)R CUS	1014255	1
PML-T104 (52X560)R CUS	1014256	1

Stick-on pipeline markers, unlabeled

- 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

Can be printed with:

Thermal transfer for rolls



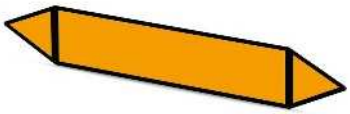
Group 5 (non-combustible gases)

Technical data

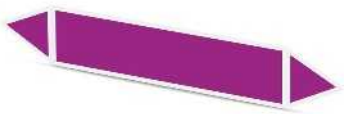
General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Pipeline markers, yellow/black, group 5 (non-combustible gases), unprinted				
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			
Pipeline markers, yellow/black, group 5 (non-combustible gases), **labeled according to customer specifications**				
3 labels per strip, marker size: 26 x 280 mm	yellow/black	**PML-T105 (26X280)R CUS**	**1014257**	1
1 label per strip, marker size: 52 x 560 mm	yellow/black	**PML-T105 (52X560)R CUS**	**1014258**	1
Pipeline markers, orange, group 6 (acids), **labeled according to customer specifications**				
3 labels per strip, marker size: 26 x 280 mm	orange			
1 label per strip, marker size: 52 x 560 mm	orange			
Pipeline markers, violet, group 7 (alkalis), **labeled according to customer specifications**				
3 labels per strip, marker size: 26 x 280 mm	violet			
1 label per strip, marker size: 52 x 560 mm	violet			
Pipeline markers, brown/red, group 8 (combustible liquids), **labeled according to customer specifications**				
3 labels per strip, marker size: 26 x 280 mm	brown/red			
1 label per strip, marker size: 52 x 560 mm	brown/red			



Group 6 (acids)



Group 7 (alkalis)

Group 8 (combustible liquids)

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • 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
PML-T106 (26X280)R CUS	1014259	1
PML-T106 (52X560)R CUS	1014260	1

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • 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
PML-T107 (26X280)R CUS	1014261	1
PML-T107 (52X560)R CUS	1014262	1

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • 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
PML-T108 (26X280)R CUS	1014263	1
PML-T108 (52X560)R CUS	1014264	1

Stick-on pipeline markers, unlabeled

Can be printed with:

N

PRINTED FOR YOU

Thermal transfer for rolls

- 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

Group 9 (non-combustible liquids)

Notes:

[1]) For ordering example, see page 359.

Technical data

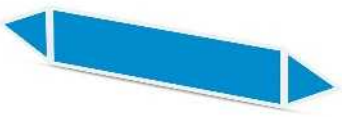
General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Pipeline markers, brown/black, group 9 (non-combustible liquids), unprinted				
250 labels per roll, marker size: 26 x 280 mm	brown/black	**PML-T109 (26X280)R**	**1014245**	1
250 labels per roll, marker size: 52 x 560 mm	brown/black	**PML-T109 (52X560)R**	**1014246**	1
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			
Pipeline markers, brown/black, group 9 (non-combustible liquids), **labeled according to customer specifications**[1])				
3 labels per strip, marker size: 26 x 280 mm	brown/black	**PML-T109 (26X280)R CUS**	**1014265**	1
1 label per strip, marker size: 52 x 560 mm	brown/black	**PML-T109 (52X560)R CUS**	**1014266**	1
Pipeline markers, blue, group 0 (oxygen), **labeled according to customer specifications**[1])				
3 labels per strip, marker size: 26 x 280 mm	blue			
1 label per strip, marker size: 52 x 560 mm	blue			

N

PRINTED FOR YOU



Group 0 (oxygen)

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 •
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
PML-T110 (26X280)R CUS	**1014267**	1
PML-T110 (52X560)R CUS	**1014268**	1

UniSheet - stick-on hazardous substances labels, color preprinted, without symbols

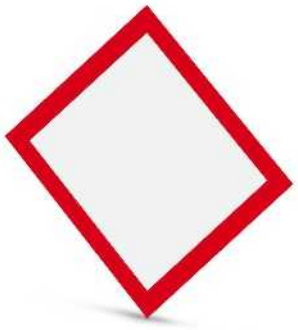
The unlabeled US-PML-GHS hazardous substances labels on US cards allow you to create custom information signs. A variety of symbols are available in the CLIP PROJECT software. The hazardous substances labels offer the following features:

– 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

Can be printed with:

Thermal transfer for sheets and cards

N



Unlabeled

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Hazardous substances label, color preprinted, without symbols				
50-section, marker size: 13 x 13 mm	red/white	**US-PML-GHS100 (13X13)**	**1014287**	10
9-section, marker size: 25 x 25 mm	red/white	**US-PML-GHS100 (25X25)**	**1014288**	10

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials	**THERMOMARK CARD-US-MAG1**	**5146451**	1

Stick-on hazardous substances labels, color preprinted, without symbols

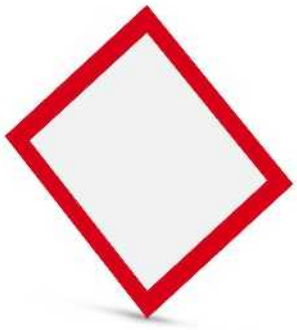
The color preprinted PML-GHS...R hazardous substances labels on a roll allow you to create custom information signs. A variety of symbols are available in the CLIP PROJECT software. The hazardous substances labels offer the following features:

– 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

Can be printed with:

Thermal transfer for rolls

N



Unlabeled

Technical data

General data	
Can be printed with:	THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Material	Polyester
Temperature range [°C]	-40 ... 150
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Hazardous substances label, color preprinted, without symbols				
500 labels per roll, marker size: 13 x 13 mm	red/white	**PML-GHS100 (13X13)R**	**1014289**	1
500 labels per roll, marker size: 25 x 25 mm	red/white	**PML-GHS100 (25X25)R**	**1014290**	1

Stick-on hazardous substances labels, preprinted with symbol

N

Symbol - Explosive

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

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Hazardous substances label, preprinted with “Explosive” symbol				
35-section, marker size: 13 x 13 mm	red/white	**PML-GHS101 (13X13)**	**1014269**	5
12-section, marker size: 25 x 25 mm	red/white	**PML-GHS101 (25X25)**	**1014270**	5
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			

N

Symbol - Flammable

N

Symbol - Oxidizing

N

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

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

N

Symbol - Corrosivity

N

Symbol - Toxic

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

		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						

N

Symbol - General symbol for hazardous substances

N

Symbol - Hazardous to health

N

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)	**1014281**	5
PML-GHS107 (25X25)	**1014282**	5

Technical data

Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs. / Pkt.
PML-GHS108 (13X13)	**1014283**	5
PML-GHS108 (25X25)	**1014284**	5

Technical data

Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs. / Pkt.
PML-GHS109 (13X13)	**1014285**	5
PML-GHS109 (25X25)	**1014286**	5

UniSheet - stick-on combi labels, unprinted

Can be printed with:

N

Thermal transfer for sheets and cards

Unlabeled

The unlabeled 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 conform to the ISO 7010 international standard
– The markers can be printed in various colors with the THERMOMARK CARD PLUS
– When used in conjunction with high-quality ink ribbons, a resistant form of labeling is produced, which is even suitable for harsh environments
– The markers, which are supplied in uniform sheets, can be labeled quickly, easily, and cost-effectively using the THERMOMARK CARD PLUS
– The format automatically ensures printing with a high level of positional accuracy
– The perforated markers are easy to separate

Technical data

General data		
Can be printed with:		THERMOMARK CARD PLUS • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniSheet, with self-adhesive labels, 2-section, lettering field size: 104 x 70 mm				
	white	**US-EMLF (104X70)**	**1014294**	10
	yellow	**US-EMLF (104X70) YE**	**1014295**	10
	blue	**US-EMLF (104X70) BU**	**1014296**	10
UniSheet, with self-adhesive labels, 1-section, lettering field size: 104 x 140 mm				
	white	**US-EMLF (104X140)**	**1014291**	10
	yellow	**US-EMLF (104X140) YE**	**1014292**	10
	blue	**US-EMLF (104X140) BU**	**1014293**	10

Accessories

Magazine, for THERMOMARK CARD..., for accommodating all US–... materials		**THERMOMARK CARD-US-MAG1**	**5146451**	1
Segmented ink ribbon, length: 60 m, width: 110 mm				
two segments in colors	black/red	**TM-RIBBON 110-TC BK/RD**	**1014403**	1
three segments in colors	black/red/yellow	**TM-RIBBON 110-TC BK/RD/YE**	**1014404**	1
four segments in colors	black/red/blue/yellow	**TM-RIBBON 110-TC BK/RD/BU/YE**	**1014405**	1

N

UniSheet - stick-on combi labels, unprinted

– All US-EMLF ... markers can also be supplied labeled according to customer requirements

Notes:
For matching label frames, see page 296.
[1]) For ordering example, see page 359.

Labeled according to customer specifications

Technical data

General 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.
UniSheet, with self-adhesive labels, **labeled according to customer specifications,** 2-section, lettering field size: 104 x 70 mm[1])				
	white	**US-EMLF (104X70) CUS**	**1014300**	1
	yellow	**US-EMLF (104X70) YE CUS**	**1014301**	1
	blue	**US-EMLF (104X70) BU CUS**	**1014302**	1
UniSheet, with self-adhesive labels, **labeled according to customer specifications,** 1-section, lettering field size: 104 x 140 mm[1])				
	white	**US-EMLF (104X140) CUS**	**1014297**	1
	yellow	**US-EMLF (104X140) YE CUS**	**1014298**	1
	blue	**US-EMLF (104X140) BU CUS**	**1014299**	1

Magnetic labels, unprinted

N

The PMM magnetic labels supplied in rolls represent an individual and flexible marking solution, e.g., for stock labeling. 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 labeling 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

Can be printed with:

Thermal transfer for rolls

Unlabeled

Technical data

General data		
Can be printed with:		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK X1.1 • THERMOMARK X1.2
Temperature range	[°C]	-30 ... 55
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Magnetic foil as continuous media, anisotropic, 1 roll = 15 m, label height: 20 mm				
	white	**PMM (EX20)R**	**1014303**	1
	silver	**PMM (EX20)R SR**	**1014304**	1
	yellow	**PMM (EX20)R YE**	**1014305**	1
Magnetic foil as continuous media, anisotropic, 1 roll = 15 m, label height: 25 mm				
	white	**PMM (EX25)R**	**1014306**	1
	silver	**PMM (EX25)R SR**	**1014307**	1
	yellow	**PMM (EX25)R YE**	**1014308**	1
Magnetic foil as continuous media, anisotropic, 1 roll = 15 m, label height: 30 mm				
	white	**PMM (EX30)R**	**1014309**	1
	silver	**PMM (EX30)R SR**	**1014310**	1
	yellow	**PMM (EX30)R YE**	**1014311**	1
Magnetic foil as continuous media, anisotropic, 1 roll = 15 m, label height: 40 mm				
	white	**PMM (EX40)R**	**1014312**	1
	silver	**PMM (EX40)R SR**	**1014313**	1
	yellow	**PMM (EX40)R YE**	**1014314**	1
Magnetic foil as continuous media, anisotropic, 1 roll = 15 m, label height: 50 mm				
	white	**PMM (EX50)R**	**1014315**	1
	silver	**PMM (EX50)R SR**	**1014316**	1
	yellow	**PMM (EX50)R YE**	**1014317**	1

Magnetic labels, unprinted

N

– All PMM... markers can also be supplied labeled according to customer requirements

Notes:

For matching label frames, see page 296.

Labeled according to customer specifications

Technical data

General data		
Temperature range	[°C]	-30 ... 55
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Magnetic foil as continuous media, anisotropic, **labeled according to customer specifications,** 1 roll = 15 m, label height: 20 mm				
	white	**PMM (EX20)R CUS**	**1014318**	1
	silver	**PMM (EX20)R SR CUS**	**1014319**	1
	yellow	**PMM (EX20)R YE CUS**	**1014320**	1
Magnetic foil as continuous media, anisotropic, **labeled according to customer specifications,** 1 roll = 15 m, label height: 25 mm				
	white	**PMM (EX25)R CUS**	**1014321**	1
	silver	**PMM (EX25)R SR CUS**	**1014322**	1
	yellow	**PMM (EX25)R YE CUS**	**1014323**	1
Magnetic foil as continuous media, anisotropic, **labeled according to customer specifications,** 1 roll = 15 m, label height: 30 mm				
	white	**PMM (EX30)R CUS**	**1014324**	1
	silver	**PMM (EX30)R SR CUS**	**1014325**	1
	yellow	**PMM (EX30)R YE CUS**	**1014326**	1
Magnetic foil as continuous media, anisotropic, **labeled according to customer specifications,** 1 roll = 15 m, label height: 40 mm				
	white	**PMM (EX40)R CUS**	**1014327**	1
	silver	**PMM (EX40)R SR CUS**	**1014328**	1
	yellow	**PMM (EX40)R YE CUS**	**1014329**	1
Magnetic foil as continuous media, anisotropic, **labeled according to customer specifications,** 1 roll = 15 m, label height: 50 mm				
	white	**PMM (EX50)R CUS**	**1014330**	1
	silver	**PMM (EX50)R SR CUS**	**1014331**	1
	yellow	**PMM (EX50)R YE CUS**	**1014332**	1

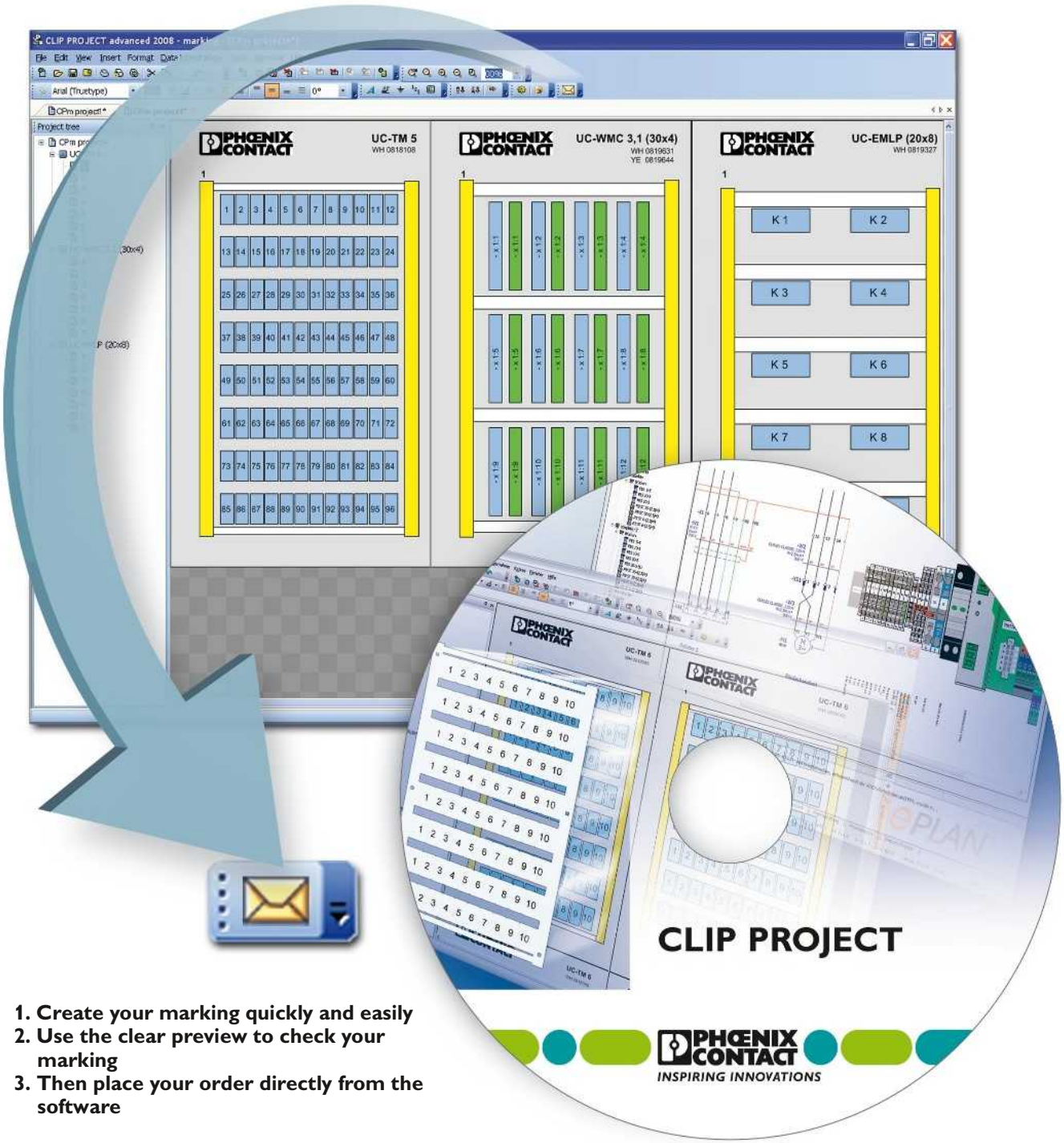
Ordering special marking with CLIP PROJECT

Phoenix Contact offers a marking service for all marking materials. We can provide you with marking materials marked according to your requirements in next to no time.

PRINTED FOR YOU

The materials which can be marked according to customer requirements are indicated with this symbol on the product pages.

Simply plan and place your order at the click of a mouse



1. Create your marking quickly and easily
2. Use the clear preview to check your marking
3. Then place your order directly from the software

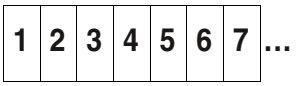
Ordering special marking by fax or e-mail

Minimum order amount:

- Plastic sheets: 1 sheet
- Paper sheets: 1 sheet
- Rolls: 1 strip (row), i.e., in the case of EML (20x8)R, for example, 4 labels

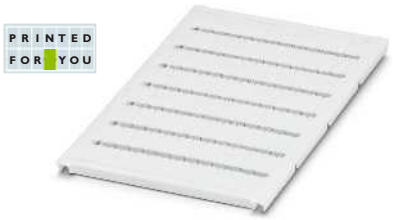
The following information must be provided when ordering marking:

- Order number of the relevant ...CUS material
- Marking text
- Font size
- Read direction “horizontal” or “vertical”
- Normal or bold print
- Please send special characters, symbols, and logos as a bitmap file



Marking direction “horizontal”

Marking direction “vertical”

120 markers for a terminal block width of 4.2 mm

96 markers for a terminal block width of 5.2 mm

Technical data

General data			
Can be printed with:		BLUEMARK LED • BLUEMARK CLED • CMS-P1-PLOTTER	BLUEMARK LED • BLUEMARK CLED • CMS-P1-PLOTTER
Number of individual labels		120	96
Number of individual labels per strip		15	12
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)
Contents		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard, for marking terminal blocks with a marker groove							
	White	**UC-TM 4**	**0818111**	10	**UC-TM 5**	**0818108**	10
	Red	**UC-TM 4 RD**	**0818250**	10	**UC-TM 5 RD**	**0818302**	10
	Orange	**UC-TM 4 OG**	**0818221**	10	**UC-TM 5 OG**	**0818276**	10
	Yellow	**UC-TM 4 YE**	**0818234**	10	**UC-TM 5 YE**	**0818289**	10
	Violet	**UC-TM 4 VT**	**0819084**	10	**UC-TM 5 VT**	**0819107**	10
	Blue	**UC-TM 4 BU**	**0818247**	10	**UC-TM 5 BU**	**0818292**	10
	Green	**UC-TM 4 GN**	**0818263**	10	**UC-TM 5 GN**	**0818315**	10
UniCard, for marking terminal blocks with a marker groove, **labeled according to customer specifications**							
	White	**UC-TM 4 CUS**	**0824573**	1	**UC-TM 5 CUS**	**0824581**	1
	Red	**UC-TM 4 RD CUS**	**0824577**	1	**UC-TM 5 RD CUS**	**0824585**	1
	Orange	**UC-TM 4 OG CUS**	**0824576**	1	**UC-TM 5 OG CUS**	**0824584**	1
	Yellow	**UC-TM 4 YE CUS**	**0824579**	1	**UC-TM 5 YE CUS**	**0824587**	1
	Violet	**UC-TM 4 VT CUS**	**0824578**	1	**UC-TM 5 VT CUS**	**0824586**	1
	Blue	**UC-TM 4 BU CUS**	**0824574**	1	**UC-TM 5 BU CUS**	**0824582**	1
	Green	**UC-TM 4 GN CUS**	**0824575**	1	**UC-TM 5 GN CUS**	**0824583**	1

Ordering example for UC-TM 5 GN CUS

Vertical consecutive numbering from 1 to 12 is required for 8 identical terminal strips with 5 mm pitch. The UC-TM 5 ... sheet has 8 strips, each of which has 12 individual labels. In this case order as follows:

Unit (sheet)	Marking	Order No.
1	Numbers: 1 to 12 Font size: 10 pt Read direction: Vertical Normal printing	0824583

PHOENIX CONTACT
1.0

Hand tools - TOOL fox

The TOOL fox range of tools offers processing and measuring tools for all electrical engineering applications.

The ergonomically designed tools for cutting, stripping, crimping, screwing, and testing impress with their optimum handling and quality. Specially hardened tool steels ensure maximum durability.

Cutting machines, stripping machines, and crimping machines are available which can be used to automate steps.

A wide range of connectors rounds off the product range.

Product range overview

Hand tools **362**

CUTFOX ... cutting tools and UNIFOX ... universal tools

Cable cutters **364**
Cutting tools for special applications **366**
Universal tools **368**
Cable duct, profile, and DIN rail cutters **371**

MICROFOX electronics pliers **374**

WIREFOX stripping tools

Stripping tools **378**
Stripping tools **384**

CRIMPFOX pressing and crimping tools **388**

CRIMPHANDY portable hand-held machine **390**
Crimp pliers for ferrules **392**
Crimping pliers for ring cable and tube lugs **398**

Universal basic pliers for connectors up to 120 mm² **403**

Crimping pliers for slip-on sleeves **404**
Crimping pliers for turned contacts **406**
Crimping pliers for coaxial, FO, D-SUB, CATV, data plugs, and solar connectors **408**
Universal basic pliers **412**

SCREWFOX screwdriver tools

Screwdrivers **416**
Cordless screwdrivers **425**
Socket wrenches **430**
Control cabinet keys **433**

TESTFOX measuring tools

Voltage and continuity testers **434**
Digital multimeters **435**

Tool sets **438**

Connectors **444**

Professional cutting

Professional stripping

Professional crimping with up to 25 percent less force

There is an optimum cable cutter available for every application. The various versions enable professional processing of conductors and cables with a diameter of up to 100 mm. All parts of the cable cutters that are subject to particular strain are tempered and specially hardened.

The comprehensive range of combination tools ensures all applications are covered. The safety tools, which feature 2-component slip-proof handles, are VDE-tested and marked according to DIN EN 60900.

Profile cutters are available for rapid processing of DIN rails and cable ducts without chips or burrs. An optional hydraulic unit can be attached to convert manual DIN rail cutters into automatic ones.

The stripping tools can strip all types of conductors and cables quickly, precisely and reliably. They adapt automatically to the conductor cross section concerned.

The 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%.

The extensive range of professional crimping pliers can be used to process all types of contact 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.

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

Cable cutters and electrician's scissors

Up to a maximum conductor diameter of 18 mm

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable cutter, for copper and aluminum up to a diameter of 12 mm (up to 35 mm^2)	CUTFOX 12	1212128	1			
Cable cutter, angled, for copper and aluminum up to a diameter of 18 mm (up to 50 mm^2)				CUTFOX 18	1212129	1
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	CUTFOX-ES	1212621	1			

CUTFOX one-handed ring cable cutters

- CUTFOX ... one-handed ring cable cutters for professional cutting results
- Suitable for conductors with a diameter of up to 52 mm
- With ratchet function for minimum effort
- Unlockable
- Superb cutting quality

Up to a maximum conductor diameter of 50 mm, steel-armored

Up to a maximum conductor diameter of 52 mm

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Ring cable cutter, with ratchet function, for copper and aluminum up to a diameter of 50 mm, for steel-armored CU/AL cables, for stranded steel cables up to a diameter of 12 mm	CUTFOX 50 STEEL	1212526	1			
Ring cable cutter, with ratchet function, for copper and aluminum up to a diameter of 45 mm (up to 300 mm^2)				CUTFOX 45	1212132	1
Ring cable cutter, with ratchet function, for copper and aluminum up to a diameter of 52 mm (up to 300 mm^2)				CUTFOX 52	1212133	1

CUTFOX cable cutters

- CUTFOX ... cable cutters for professional cutting results
- Suitable for conductors with a max. diameter of 35 mm
- With ratchet function for minimum effort
- 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 25 mm

Up to a maximum conductor diameter of 35 mm

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable cutter, with ratchet function, for copper and aluminum up to a diameter of 25 mm (up to 185 mm²)	CUTFOX 25	1212130	1			
Cable cutter, with ratchet function, for copper and aluminum up to a diameter of 35 mm (up to 300 mm²)				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
- Unlockable
- Superb cutting quality

Up to a maximum conductor diameter of 62 mm

Up to a maximum conductor diameter of 100 mm

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Two-handed ring cable cutter, with ratchet function, for copper and aluminum up to a diameter of 62 mm (up to 750 mm²)	CUTFOX 62	1212134	1			
Two-handed ring cable cutter, with ratchet function, for copper and aluminum up to a diameter of 100 mm (up to 1400 mm²)				CUTFOX 100	1212135	1

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

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cutting tool, for separating individual jumper bars from FBS ... plug-in bridges and EB ... insertion bridges	**CUTFOX-FBS**	**1212124**	1			
Bridge cutting tool, for cutting FBI ... fixed bridges to length				**CUTFOX FB**	**1205985**	1
Cable cutter, precision blade with macro-notching, for copper and aluminum up to 50 mm², VDE 1000 V AC/1500 V DC tested						
Cable cutter, precision blade with macro-notching, for copper and aluminum up to 70 mm², VDE 1000 V AC/1500 V DC tested						
Cable cutter, for laminated power rails/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						
Diagonal cutter, with optimized leverage, VDE 1000 V AC/1500 V DC tested						
Power diagonal cutter, with optimized leverage, also suitable for piano wire, VDE 1000 V AC/1500 V DC tested						

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

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

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Combination pliers, cross-notched grip area, integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested	black	**UNIFOX-C VDE**	**1212202**	1			
Combination pliers, angled design, with opening spring and locking device, cross-notched grip area, integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested	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

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Needle-nose pliers with cut, gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested	black	**UNIFOX-P VDE**	**1212204**	1			
Needle-nose pliers with cut, 45° bent, gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested	black	**UNIFOX-PC VDE**	**1212205**	1			
Needle-nose pliers, angled design, with opening spring and locking device, finely notched grip area, stripping possible for 1.5 mm^2 and 2.5 mm^2, integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested	black				**UNIFOX-PE VDE**	**1212529**	1

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	Ordering data: Type	Order No.	Pcs. / Pkt.
Flat-nose pliers, finely notched grip area, VDE 1000 V AC/1500 V DC tested	black	**UNIFOX-F VDE**	**1212363**	1
Round-nose pliers, finely notched grip area, VDE 1000 V AC/1500 V DC tested	black	**UNIFOX-R VDE**	**1212364**	1

Ordering data: Type	Order No.	Pcs. / Pkt.
UNIFOX-WP	**1212365**	1

UNIFOX cable binder tools for plastic and stainless 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	Ordering data: Type	Order No.	Pcs. / Pkt.
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	**UNIFOX-CT 4,8**	**1212475**	1
	UNIFOX-CT 4,8P	**1212609**	1
Cable binder pliers, for steel cable binders with a width of up to 7.9 mm, for a material thickness of up to 0.3 mm	**UNIFOX-CT M 7,9**	**1212610**	1

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

Notes:

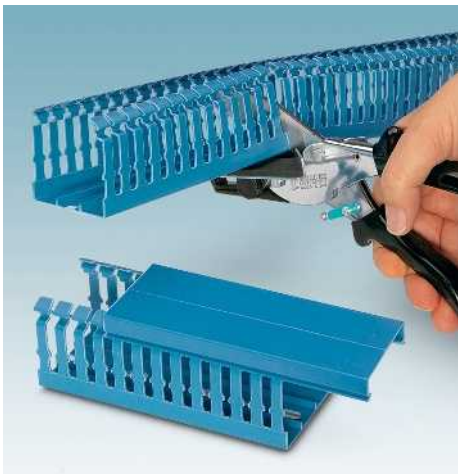
For high-current feed-through terminal blocks see Catalog 1.

Blind rivet pliers

Blind riveting with diameters of 2.4 to 5 mm

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Blind rivet pliers	black	**UNIFOX-RVT M**	**1212476**	1			
Rivet, aluminum/steel, rivet diameter/length							
2.4/8 mm, for UW 4... terminal blocks	silver				**RVT-AL/ST 2,4L/8**	**3240548**	500
3/6 mm	silver				**RVT-AL/ST 3/6**	**3240504**	500
3/8 mm	silver				**RVT-AL/ST 3/8**	**3240505**	500
3/10 mm	silver				**RVT-AL/ST 3/10**	**3240506**	500
3/12 mm, for UW 10..., UW 16..., and RW 5... terminal blocks	silver				**RVT-AL/ST 3/12**	**3240507**	500
3.2/6 mm	silver				**RVT-AL/ST 3,2/6**	**3240509**	500
3.2/8 mm	silver				**RVT-AL/ST 3,2/8**	**3240510**	500
3.2/10 mm	silver				**RVT-AL/ST 3,2/10**	**3240511**	500
3.2/12 mm	silver				**RVT-AL/ST 3,2/12**	**3240512**	500
4/6 mm	silver				**RVT-AL/ST 4/6**	**3240513**	500
4/8 mm	silver				**RVT-AL/ST 4/8**	**3240514**	500
4/10 mm	silver				**RVT-AL/ST 4/10**	**3240515**	500
4/12 mm	silver				**RVT-AL/ST 4/12**	**3240516**	500
4/14 mm, for UW 25... and RW 8... terminal blocks	silver				**RVT-AL/ST 4/14**	**3240517**	500
4.8/6 mm	silver				**RVT-AL/ST 4,8/6**	**3240518**	500
4.8/8 mm	silver				**RVT-AL/ST 4,8/8**	**3240519**	500
4.8/10 mm	silver				**RVT-AL/ST 4,8/10**	**3240520**	500
4.8/12 mm	silver				**RVT-AL/ST 4,8/12**	**3240521**	500
4.8/14 mm	silver				**RVT-AL/ST 4,8/14**	**3240553**	500
4.8/16 mm	silver				**RVT-AL/ST 4,8/16**	**3240522**	500
		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

Technical data

Dimensions	Width	Length	Height
[mm]	-	245	-
General data			
Weight [kg]	0.43		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable duct cutter	black	**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

Technical data

Dimensions	Width	Length	Height
[mm]	285	280	290
General data			
Length of the measuring bar [mm]	1000		
Length of the hand lever [mm]	500		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable duct cutters	black	**PPS CD M**	**1207569**	1

Accessories

Replacement blade, for PPS CD M	**PPS CD BLADE**	**1207572**	1
Replacement counter support (grip protection), for PPS CD M	**PPS CD M COHO**	**1208995**	1
Workbench, with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes	**PPS TABLE**	**1206285**	1

Profile cutters

- The PPS BASIC I/M is the lightweight version of the profile cutters. It can be used to process the popular NS 35/15, NS 35/7,5, and NS 15 types of EN DIN rail, as well as the NLS−CU 3/10 neutral busbar
- The PPS STANDARD ... and PPS CLASSIC ... can be equipped with two stamping bits for round holes or elongated holes
- The PPS CLASSIC ... is the best choice if hole formats are changed on a frequent basis. By simply folding open the upper part of the PPS..., the stamping bits can be changed in no time at all

DIN rail cutter

Applied for:
GOST

Technical data

Dimensions		Width	Length	Height
	[mm]	**150**	**60**	**180**
General data				
Weight	[kg]	8.3		
Length of the measuring bar	[mm]	1000		
Length of the hand lever	[mm]	590		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Profile cutter, for cutting standard DIN rails to length, NS 15 / NS 35/7,5 / NS 35/15, and for cutting the NLS–CU 3/10 neutral busbar to length, with inch/metric measuring rail	black	**PPS BASIC I/M**	**1207585**	1
Profile cutter, for cutting and stamping holes in standard DIN rails, NS 15 / NS 32 / NS 35/7,5 / NS 35/15, and for cutting the NLS–CU 3/10 neutral busbar to length, can accommodate 2 stamping bits, with metric measuring rail, supplied without stamping bits	black			
Same as before, but with inch/metric measuring rail	black			
Profile cutter, for cutting and stamping holes in standard DIN rails, NS 15 / NS 32 / NS 35/7,5 / NS 35/15, and for cutting the NLS–CU 3/10 neutral busbar to length, can accommodate 2 stamping bits, stamping bits are easily interchangeable, with metric measuring rail, supplied without stamping bits	black			
Same as before, but with inch/metric measuring rail	black			

Accessories

Stamping insert, for elongated holes, longitudinal: 3.5 x 12 mm 4.5 x 12 mm 5.5 x 12 mm 6.5 x 15 mm				
Stamping insert, for elongated holes, transverse: 3.5 x 12 mm 4.5 x 12 mm 5.5 x 12 mm 6.5 x 15 mm				
Stamping bit, for bore holes 3.8 mm Ø 4.3 mm Ø 5.3 mm Ø 6.4 mm Ø 7.0 mm Ø 8.4 mm Ø				
Hydraulic cylinder, for connection to an existing hydraulic system, operating pressure of 160 – 220 bar, G 1/4" connection thread, with spring reset				
Workbench, with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes		**PPS TABLE**	**1206285**	1

DIN rail cutter with bore hole die

Applied for:
GOST

Technical data

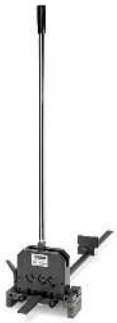
Width	Length	Height
180	**100**	**220**
19		
1000		
1000		

Ordering data

Type	Order No.	Pcs. / Pkt.
PPS STANDARD M	**1206175**	1
PPS STANDARD I/M	**1206230**	1

Accessories

PPS-ST (3,5X12)L	**1203563**	1
PPS-ST (4,5X12)L	**1203534**	1
PPS-ST (5,5X12)L	**1202603**	1
PPS-ST (6,5X15)L	**1202593**	1
PPS-ST (3,5X12)Q	**1203550**	1
PPS-ST (4,5X12)Q	**1203547**	1
PPS-ST (5,5X12)Q	**1203411**	1
PPS-ST (6,5X15)Q	**1203408**	1
PPS-ST (3,8)	**1204892**	1
PPS-ST (4,3)	**1202616**	1
PPS-ST (5,3)	**1202629**	1
PPS-ST (6,4)	**1202632**	1
PPS-ST (7,0)	**1204889**	1
PPS-ST (8,4)	**1202726**	1
PPS HYDRAULIC CYL	**1208924**	1
PPS TABLE	**1206285**	1



DIN rail cutter with piercer and quick change mechanism

Applied for:
GOST

Technical data

Width	Length	Height
250	**100**	**230**
19		
1000		
1000		

Ordering data

Type	Order No.	Pcs. / Pkt.
PPS CLASSIC M	**1206243**	1
PPS CLASSIC I/M	**1206256**	1

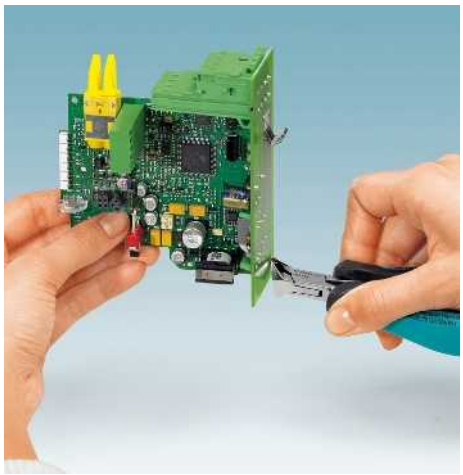
Accessories

PPS-ST (3,5X12)L	**1203563**	1
PPS-ST (4,5X12)L	**1203534**	1
PPS-ST (5,5X12)L	**1202603**	1
PPS-ST (6,5X15)L	**1202593**	1
PPS-ST (3,5X12)Q	**1203550**	1
PPS-ST (4,5X12)Q	**1203547**	1
PPS-ST (5,5X12)Q	**1203411**	1
PPS-ST (6,5X15)Q	**1203408**	1
PPS-ST (3,8)	**1204892**	1
PPS-ST (4,3)	**1202616**	1
PPS-ST (5,3)	**1202629**	1
PPS-ST (6,4)	**1202632**	1
PPS-ST (7,0)	**1204889**	1
PPS-ST (8,4)	**1202726**	1
PPS TABLE	**1206285**	1

MICROFOX electronic pliers

Notes:

For technical data regarding cutting capacity, see www.phoenixcontact.net/products.



Diagonal cutter, with chamfer

Miniature precision pliers feature the following:

– Ergonomically designed two-component grip for fatigue-proof and non-slip use
– Manufactured from high-grade special tool steel
– Opening spring for uniform, smooth opening
– Through-connected joint for permanent stability and optimum distribution of force
– Mirror-polished and oiled metal surfaces, which provide maximum rust protection

Cutting pliers

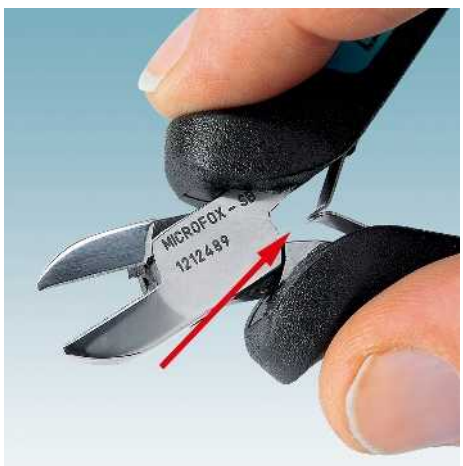
– Additional inductive hardened cutting for long-term, stable cutting performance
– Precision-ground for exact cutting applications with minimum effort
– Various head shapes, even for areas that are difficult to access

Gripping and bending pliers

– Smooth grip to prevent damage to components when gripping and bending

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Electronic diagonal cutter, round head, with chamfer, with opening spring	**MICROFOX-SB**	**1212489**	1
Electronic diagonal cutter, tapered head, angled (21°), without chamfer, with opening spring	**MICROFOX-SP**	**1212488**	1
Electronic diagonal cutter, tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version	**MICROFOX-SP-1**	**1212487**	1
Electronic front cutter, without chamfer, with opening spring			
Electronic front cutter, 20° angle, without chamfer, with opening spring			
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			



Front cutter

Needle-nose pliers

Flat/round-nose pliers

Ordering data

Type	Order No.	Pcs. / Pkt.
MICROFOX-E	1212494	1
MICROFOX-EO	1212495	1

Ordering data

Type	Order No.	Pcs. / Pkt.
MICROFOX-P	1212491	1
MICROFOX-PC	1212492	1

Ordering data

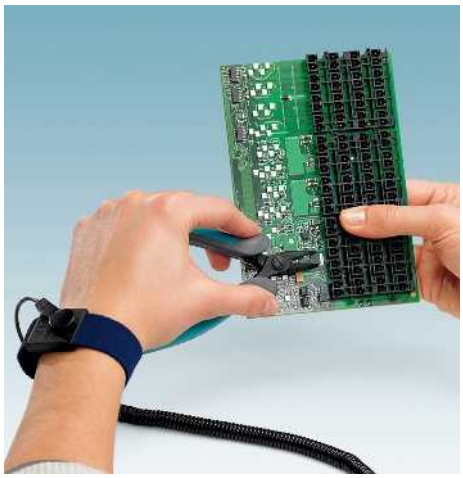
Type	Order No.	Pcs. / Pkt.
MICROFOX-F	1212493	1
MICROFOX-R	1212490	1

MICROFOX ESD electronic pliers

Notes:

For technical data regarding cutting capacity, see www.phoenixcontact.net/products.

ESD



ESD diagonal cutter

ESD MICROFOX pliers offer the following features:

– The special conductive plastic grip ensures slow and safe removal of electrostatic energy according to standards and directives such as DIN EN 61340−5
– Ergonomically designed two-component grip for fatigue-proof and non-slip use
– Manufactured from high-grade special tool steel
– Opening spring for uniform, smooth opening
– Screwed precision joint for permanent stability and optimum results
– Mirror-polished and phosphate-treated metal surfaces for optimum rust protection and no glare when working

Cutting pliers

– Additional inductive hardened cutting for long-term, stable cutting performance
– Precision-ground for exact cutting applications with minimum effort
– Various head shapes, even for areas that are difficult to access

Gripping and bending pliers

– Smooth grip to prevent damage to components when gripping and bending

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
ESD electronic diagonal cutter, round head, without chamfer, with opening spring	**MICROFOX-S ESD**	**1212480**	1
ESD electronic front cutter, without chamfer, with opening spring			
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			

ESD

ESD front cutter

Ordering data		
Type	Order No.	Pcs. / Pkt.
MICROFOX-E ESD	1212485	1

ESD

ESD needle-nose pliers

Ordering data		
Type	Order No.	Pcs. / Pkt.
MICROFOX-P ESD	1212482	1
MICROFOX-PC ESD	1212483	1

ESD

ESD flat/round-nose pliers

Ordering data		
Type	Order No.	Pcs. / Pkt.
MICROFOX-F ESD	1212484	1
MICROFOX-R ESD	1212481	1

WIREFOX stripping tools

N

- Ergonomically shaped pliers
- WIREFOX ... stripping pliers are characterized by their mechanism that adjusts automatically to all kinds of insulation and conductor diameters
- Practical integrated wire cutter
- Highly adjustable limit stop for the stripping length

0.08 - 2.5 mm² conductor cross section

Conductor cross section of 0.1 - 4 mm² for special applications

Technical data

Conductor/cable stripping range			
Conductor / cable	[mm²] / AWG	0.08 - 2.5 / 28 - 12	0.1 - 4 / 28 - 12
Stripping length up to ...	[mm]	15	18
Wire cutter solid // stranded	[mm²] / AWG	2.5 / 14 // 6 / 10	1.5 / 16 // 10 / 8

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Stripping tool, angled design, for cables and conductors with a cross section of 0.08 mm – 2.5 mm², self-adjusting, stripping length of up to 15 mm, cutting capacity: solid up to 2.5 mm², stranded up to 6 mm²	Black	**WIREFOX 2,5**	**1212368**	1
Stripping tool, angled shape, for cables and conductors (specifically also intended for rubber and other kinds of special insulation) from 0.1 mm – 4 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²	Black/green	**WIREFOX-E 4**	**1212704**	1
Stripping tool, angled shape, for cables and conductors (specifically also intended for short-circuit-proof cables) from 1.5 mm – 6 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²	Black/green			
Stripping tool, angled design, for cables and conductors from 0.02 mm – 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²	Black/green			
Stripping tool, angled design, for cables and conductors from 4 mm – 16 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²	Black/green			

Accessories

Spare knife	**WIREFOX 2,5/SB**	**1212369**	1
Spare limit stop	**WIREFOX 2,5/WS**	**1212370**	1

Accessories

WIREFOX 4/SB	**1212151**	1

N

Conductor cross section of 1.5 - 6 mm², short-circuit-proof cables

Technical data

1.5 - 6 / 16 - 8
18
1.5 / 16 // 10 / 8

Ordering data

Type	Order No.	Pcs. / Pkt.
WIREFOX-E 6SC	1212705	1

Accessories

WIREFOX 6SC/SB	1212314	1

N

0.02 - 10 mm² conductor cross section

Technical data

0.02 - 10 / 34 - 8
18
1.5 / 16 // 10 / 8

Ordering data

Type	Order No.	Pcs. / Pkt.
WIREFOX-E 10	1212706	1

Accessories

WIREFOX 10/SB	1212152	1

N

4 - 16 mm² conductor cross section

Technical data

4 - 16 / 12 - 5
18
1.5 / 16 // 10 / 8

Ordering data

Type	Order No.	Pcs. / Pkt.
WIREFOX-E 16	1212707	1

Accessories

WIREFOX 16/SB	1212153	1

WIREFOX stripping tools

- Ergonomically shaped pliers
- WIREFOX ... stripping pliers are characterized by their mechanism that adjusts automatically to all kinds of insulation and conductor diameters
- Practical integrated wire cutter
- Highly adjustable limit stop for the stripping length

Conductor cross section of 0.1 - 4 mm² for special applications

Technical data

Conductor/cable stripping range		
Conductor / cable	[mm²] / AWG	0.1 - 4 / 28 - 12
Stripping length up to ...	[mm]	18
Wire cutter solid // stranded	[mm²] / AWG	1.5 / 16 // 10 / 8

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Stripping tool, for cables and conductors (specifically also intended for rubber and other kinds of special insulation) with a cross section of 0.1 – 4 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²	Black/green	**WIREFOX 4**	**1212156**	1
Stripping tool, for cables and conductors (specifically for short-circuit-proof cables) of 1.5 - 6 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²	Black/green			
Stripping tool, for 0.02 - 10 mm² cables and conductors, self-adjusting, stripping length up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²	Black/green			
Stripping tool, for cables and conductors of 4 - 16 mm², self-aligned, stripping length up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²	Black/green			

Accessories

Spare knife	**WIREFOX 4/SB**	**1212151**	1

Conductor cross section of 1.5 - 6 mm², 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

Type	Order No.	Pcs. / Pkt.
WIREFOX 6SC	1212158	1

Accessories

WIREFOX 6SC/SB	1212314	1

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

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

WIREFOX stripping tools

– WIREFOX ... stripping pliers are characterized by their mechanism that adjusts automatically to all kinds of insulation and conductor diameters

Conductor cross section of 6 - 16 mm², any stripping length

8 - 9 mm conductor diameter

	Technical data	Technical data
Conductor/cable stripping range		
Conductor / cable [mm²] / AWG	6 - 16 / 10 - 5	- / -

	Ordering data			Ordering data		
Description Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Stripping pliers, for cables and conductors with a cross section of 6 – 16 mm², self-adjusting, any stripping length, also suitable for sensor/actuator cables black	**WIREFOX 16-1**	**1212157**	1			
Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, for diameters from 4.4 mm to 7 mm, any stripping length black	**WIREFOX SAC**	**1212623**	1			
Stripping pliers, for removing jackets from cables for cable cut-outs, 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				**WIREFOX-D SHIELD**	**1212172**	1
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						

	Accessories			Accessories		
Spare knife	**WIREFOX 16-1/SB**	**1204944**	1			

For flat cables

Conductor cross section of 0.2 - 10 mm², (VDE)

Multifunctional tool

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

Conductor diameter of 2.5 - 11 mm

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Stripping tool, for stripping multicore signal, control, and fiber-glass wires of 2.5 – 11 mm Ø, insulation thickness up to 1 mm	black	**WIREFOX-D 11**	**1212160**	1
Stripping tool, for stripping installation cables with 8 - 13 mm Ø, for example, NYM 3x1.5 mm² to NYM 5x2.5 mm², single-wire stripping, 0.2 - 4 mm², with blade for lateral cutting and extendable knife	black			
Stripping tool, for stripping cables (especially fiber optic cables) of 4 – 16 mm Ø	black			
Stripping tool, for stripping wires of 8 – 28 mm Ø	black			
Stripping tool, for stripping cables of 4.5 – 40 mm Ø, insulation strength up to 4.5 mm, swiveling knife for round, longitudinal and spiral cuts	black			

Accessories

Spare knife	**WIREFOX-D 11/SB**	**1212312**	1

Conductor diameter of 8 - 13 mm

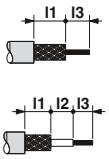
Conductor diameter of 4 - 40 mm

Ordering data		
Type	Order No.	Pcs. / Pkt.
WIREFOX-D 13	1212162	1
Accessories		

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



For coaxial cables, conductor diameter of 2.5 - 7.6 mm

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Stripping tool, for coaxial cables of 2.5 – 7.6 mm Ø				
2-stage, setting dimension l1 = 6.0 mm	black	**WIREFOX-D CX-1**	**1212163**	1
2-stage, setting dimension l1 = 9.2 mm	black	**WIREFOX-D CX-2**	**1212164**	1
2-stage, setting dimension 1 = 12 mm	black	**WIREFOX-D CX-3**	**1212165**	1
2-stage, setting dimension l1 = 6.8 mm	black	**WIREFOX-D CX-4**	**1212166**	1
3-stage, setting dimension l1 = 5.5 mm, l2 = 5.5 mm	black	**WIREFOX-D CX-5**	**1212167**	1
3-stage, setting dimension l1 = 2.7 mm, l2 = 8.3 mm	black	**WIREFOX-D CX-6**	**1212168**	1
3-stage, setting dimension l1 = 6.0 mm, l2 = 6.0 mm	black	**WIREFOX-D CX-7**	**1212169**	1
3-stage, setting dimension l1 = 2.5 mm, l2 = 6.8 mm	black	**WIREFOX-D CX-8**	**1212170**	1
3-stage, setting dimension l1 = 3.5 mm, l2 = 7.5 mm	black	**WIREFOX-D CX-9**	**1212171**	1
Stripping tool, for standard 2.5, 4, and 6 mm² solar cables, with 15 mm length stop, for SUNCLIX plug-in connectors	black			
Stripping tool, for 2.5 - 6 mm² 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			

Accessories

Spare knife	**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

N

For solar cables,
conductor cross section of 2.5 - 6 mm²

For coaxial cables, RG 59 and RG 6

Ordering data

Type	Order No.	Pcs. / Pkt.
WIREFOX-D SR 6-1	1212511	1
WIREFOX-D SR 6	1212507	1

Ordering data

Type	Order No.	Pcs. / Pkt.
WIREFOX-CX 6,35	1212733	1

Accessories

Accessories

CRIMPHANDY - portable hand-held machine. Stripping and crimping in just one step.

Simply insert the conductor, ...

... stripping and crimping is carried out automatically, ...

... and you're done.

Easy operation thanks to the automatic stripping and crimping function. The device signals the operating states clearly by means of colored LEDs.

Automatic cross-section monitoring prevents faulty crimping as a result of incorrect cross sections. The device displays a corresponding message.

Quadratic crimping can be used for all terminal points and terminal shafts. Here the pull-out forces exceed the specified standard conditions.

Integrated magazine for ferrules in strip form. The automatic feed enables multiple conductors to be crimped one after another without interruption.

Easy to remove collecting chamber for discarded insulation. This guarantees a clean working environment. The device can therefore also be used inside the control cabinet.

Integrated lithium-ion polymer rechargeable battery for 2000 crimps. The fast charger provided charges the battery, which is easy to replace, in just 60 minutes.

CRIMPHANDY, portable hand-held machine, for a 1.0 mm² conductor cross section

The product innovation for switchgear manufacturing – the CRIMPHANDY. With this portable hand-held machine, you can strip and crimp your conductors in under two seconds – 75% less time than before.

– The matching reel ferrules are suitable for use on all modular terminal blocks, particularly those 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 www.phoenixcontact.net/products.

1.0 mm² conductor cross section

Technical data

Dimensions			
	Width	Length	Height
[mm]	42	200	67

General data	
Weight [kg]	0.43
Conductor [mm²]	1 - 1
Working cycle [s]	2
Compression	Square crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Portable hand-held machine, battery-powered, for ferrules, 1.0 mm², incl. battery and charger, 100 -240 V, in a robust aluminum case For standard PVC and PE conductors	**CF CRIMPHANDY 1,0**	**1212465**	1

Accessories

Reel ferrules, 1.0 mm², 8 mm, with plastic sleeve, according to DIN 46228-4, red, 50 pieces per strip	**AI 1,0-8 RD-S**	**1212523**	50
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.76 Ah	**CF CRIMPHANDY/ACCU**	**1212518**	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	**1212519**	1

CRIMPHANDY, portable hand-held machine, for a 1.5 mm² conductor cross section

The product innovation for switchgear manufacturing – the CRIMPHANDY. With this portable hand-held machine, you can strip and crimp your conductors in under two seconds – 75% less time than before.

– The matching reel ferrules are suitable for use on all modular terminal blocks, particularly those 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 www.phoenixcontact.net/products.

1.5 mm² conductor cross section

Technical data

Dimensions		Width	Length	Height
	[mm]	**42**	**200**	**67**
General data				
Weight	[kg]	0.43		
Conductor	[mm²]	1.5 - 1.5		
Working cycle	[s]	2		
Compression		Square crimp		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Portable hand-held machine, battery-powered, for ferrules, 1.5 mm², incl. battery and charger, 100 - 240 V, in a robust aluminum case For standard PVC and PE conductors	**CF CRIMPHANDY 1,5**	**1212466**	1

Accessories

Reel ferrules, 1.5 mm², 8 mm, with plastic sleeve, according to DIN 46228-4, red, 50 pieces per strip	**AI 1,5-8 BK-S**	**1212524**	50
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.76 Ah	**CF CRIMPHANDY/ACCU**	**1212518**	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	**1212519**	1

CRIMPFOX crimping pliers for ferrules

N

0.25 - 2.5 mm² conductor cross section

- 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
- Unlockable pressure lock
- Marked die stations for precise processing of the relevant cross sections

CRIMPFOX 6S .../ ...T

- 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

Technical data

Application range		
Conductor	[mm²] / AWG	0.25 - 2.5 / 24 - 12
Compression		Trapezoidal crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, compact pliers, for ferrules according to DIN 46228-1 and DIN 46228-4, unlockable pressure lock, lateral entry	**CRIMPFOX 2,5-M**	**1212719**	1
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, for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, front entry			

Accessories

Replacement die			
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	**1212069**	1

N

0.25 - 6 mm² conductor cross section

0.25 - 6 mm² conductor cross section

0.5 - 6 mm² conductor cross section

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

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

CRIMPFOX crimping pliers for ferrules

0.25 - 6 mm² conductor cross section

- 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
- Unlockable pressure lock
- Marked die stations for precise processing of the relevant cross sections

CRIMPFOX 6S .../ ...T

- 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

Technical data

Application range		
Conductor	[mm²] / AWG	0.25 - 6 / 24 - 10
Compression		Trapezoidal crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, lateral entry	**CRIMPFOX 6T**	**1212037**	1
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, compact pliers, for ferrules according to DIN 46228-1 and DIN 46228-4, unlockable pressure lock, lateral entry			

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-1**	**1212069**	1

N

0.25 - 6 mm² conductor cross section

4 - 10 mm² conductor cross section

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

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

CRIMPFOX crimping pliers for ferrules

– These compact crimping pliers have been designed to reduce effort when working
– The way in which the handles and the die are arranged means that the ferrules can be fitted however the tool is held

Notes:

For matching ferrules, cable lugs, and flat plugs, see page 444 onwards.

0.14 - 10 mm² conductor cross section

0.14 - 6 mm² conductor cross section

Technical data

Application range		
Conductor	[mm²] / AWG	0.14 - 10 / 25 - 7
Compression		Square crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for ferrules as per DIN 46228, 0.14 – 10 mm², pressure lock can be released, lateral entry	**CRIMPFOX 10S**	**1212045**	1

Accessories

Replacement recuperating spring	**CRIMPFOX/SPR-2**	**1212047**	1

Technical data

Application range		
Conductor	[mm²] / AWG	0.14 - 6 / 25 - 10
Compression		HEX crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for ferrules as per DIN 46228, 0,14 – 6 mm², pressure lock can be released, lateral entry	**CRIMPFOX 6H**	**1212046**	1

Accessories

Replacement recuperating spring	**CRIMPFOX/SPR-2**	**1212047**	1

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 matching ferrules, cable lugs, and flat plugs, see page 444 onwards.

10 - 25 mm² conductor cross section

35 - 50 mm² conductor cross section

Technical data

Application range		
Conductor	[mm²] / AWG	10 - 25 / 8 - 4
Compression		WM crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, three marked die stations, pressure lock can be released, lateral entry	**CRIMPFOX 25R**	**1212039**	1
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, two marked die stations, pressure lock can be released, lateral entry			

Accessories

Replacement die	**CRIMPFOX 25R/DIE**	**1212040**	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	**1212069**	1

Technical data

Application range		
Conductor	[mm²] / AWG	35 - 50 / 2 - 1
Compression		WM crimp

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 50R	**1212041**	1

Accessories

CRIMPFOX 50R/DIE	**1212042**	1
CRIMPFOX/ SPR-1	**1212069**	1

CRIMPFOX crimping pliers for cable lugs and connectors

– Unlockable pressure lock
– They unlock as soon as the required crimping pressure is attained, thus ruling out the possibility of too little pressure
– The color coded dies clearly indicate the cross section

Notes:

For matching ferrules, cable lugs, and flat plugs, see page 444 onwards.

For replacement dies and retaining springs, go to the product area on the website at www.phoenixcontact.net/products.

0.14 - 1 mm² conductor cross section

0.75 - 2.5 mm² conductor cross section

Technical data

Application range			
Conductor	[mm²] / AWG	0.14 - 1 / 26 - 18	0.75 - 2.5 / 20 - 14
Compression		Oval crimp	Oval crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for insulated cable lugs (light green, red), three marked die stations, pressure lock can be released, lateral entry	**CRIMPFOX-RCI 1**	**1212055**	1			
Crimping pliers, compact pliers, for insulated cable lugs (light green, red), three marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-RCI 1-M**	**1212727**	1			
Crimping pliers, for insulated cable lugs (red, blue), two marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-RCI 2,5**	**1212053**	1
Crimping pliers, compact pliers, for insulated cable lugs (red, blue), two marked die stations, unlockable cable lug, lateral entry				**CRIMPFOX-RCI 2,5-M**	**1212728**	1
Crimping pliers, for symmetrical insulated cable lugs (red, blue, yellow), three marked die stations, pressure lock can be released, lateral entry						
Crimping pliers, compact pliers, for symmetrical insulated cable lugs (red, blue, yellow), three marked die stations, unlockable pressure lock, lateral entry						
Crimping pliers, compact pliers, for symmetrical insulated DIN cable lugs (red, blue, yellow), three marked die stations, unlockable pressure lock, lateral entry						
Crimping pliers, for asymmetrical insulated cable lugs (red, blue, yellow), three marked die stations, pressure lock can be released, lateral entry						
Crimping pliers, compact pliers, for fully insulated butt connectors (red, blue, yellow), three marked die stations, unlockable pressure lock, lateral entry						

0.75 - 6 mm² conductor cross section

0.75 - 6 mm² conductor cross section

0.5 - 6 mm² conductor cross section

Technical data

0.75 - 6 / 20 - 10
Oval crimp

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RCI 6	1212057	1
CRIMPFOX-RCI 6-M	1212730	1
CRIMPFOX-RCI DIN 6	1212729	1

Technical data

0.75 - 6 / 20 - 10
Oval crimp

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RCI 6-1	1212059	1

Technical data

0.5 - 6 / 20 - 10
Oval crimp

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-HS 6	1212722	1

CRIMPFOX crimping pliers for uninsulated cable lugs

N

- For processing uninsulated cable lugs
- Compact and lightweight design
- Unlockable pressure lock
- Marked die stations for precise processing of the relevant cross sections

Notes:

For matching ferrules, cable lugs, and flat plugs, see page 444 onwards.

For replacement dies and retaining springs, visit www.phoenixcontact.net/products.

0.75 - 2.5 mm² conductor cross section

0.5 - 6 mm² conductor cross section

Technical data

Application range		
Conductor	[mm²] / AWG	0.75 - 2.5 / 22 - 14
Compression		Indent crimp

Technical data

Application range		
Conductor	[mm²] / AWG	0.5 - 6 / 20 - 10
Compression		Indent crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for uninsulated cable lugs, three marked die stations, pressure lock can be released, lateral entry	**CRIMPFOX-RC 2,5**	**1212063**	1
Crimping pliers, compact pliers, for uninsulated cable lugs, three marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-RC 2,5-M**	**1212723**	1
Crimping pliers, compact pliers, for uninsulated cable lugs, two marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, for uninsulated cable lugs, two marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, for uninsulated cable lugs, three marked die stations, unlockable pressure lock, lateral entry			

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RC 6-M	**1212724**	1

N

0.5 - 6 mm² conductor cross section

4 - 10 mm² conductor cross section

10 - 25 mm² conductor cross section

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

CRIMPFOX crimping pliers for uninsulated tube lugs

- For processing uninsulated tube lugs
- Compact and lightweight design
- Unlockable pressure lock
- Consistently high crimping quality
- Ergonomically designed handles ensure an optimum grip and help avoid fatigue when working

N

4 - 16 mm² conductor cross section

N

10 - 70 mm² conductor cross section

		Technical data	Technical data
Application range			
Conductor	[mm²] / 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**	**1212731**	1			
Crimping pliers, for standard, uninsulated tube lugs, three marked die stations, unlockable pressure lock, lateral entry, 10 - 25 mm² conductor cross section, crimping: HEX crimp				**CRIMPFOX-RCT 25-1**	**1212066**	1
Crimping pliers, for standard, uninsulated tube lugs, with rotatable die, 5 stations, 10 - 70 mm² conductor cross section				**CRIMPFOX-RCT 70**	**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:

For matching ferrules, cable lugs, and flat plugs, see page 444 onwards.

For more dies, see www.phoenixcontact.net/products.

For dies up to 50 mm²

For dies up to 120 mm²

Description	Ordering data Type	Order No.	Pcs. / Pkt.	Ordering data Type	Order No.	Pcs. / Pkt.
Basic pliers, with ratchet function, for accommodating dies for various contacts						
Up to 50 mm²	**CRIMPFOX-C50**	**1212340**	1			
Two-hand operation of up to 120 mm²				**CRIMPFOX-C120**	**1212318**	1
	Accessories			**Accessories**		
Upper part of die, for ferrules 50 mm², 70 mm², trapezoidal crimp						
For 95 mm²				**CRIMPFOX-C120 AI 70/M-DIE**	**1212335**	1
Lower part of die, for ferrules 50 mm², trapezoidal crimp				**CRIMPFOX-C120 AI 95/M-DIE**	**1212336**	1
For 70 mm²				**CRIMPFOX-C120 AI 50/F-DIE**	**1212337**	1
For 95 mm²				**CRIMPFOX-C120 AI 70/F-DIE**	**1212338**	1
Die (pair), for insulated cable lugs, 10 mm², oval crimp				**CRIMPFOX-C120 AI 95/F-DIE**	**1212339**	1
	CRIMPFOX-C50 RCI 10/DIE	**1212346**	1	**CRIMPFOX-C120 RCI 10/DIE**	**1212327**	1
For 16 mm²	**CRIMPFOX-C50 RCI 16/DIE**	**1212347**	1	**CRIMPFOX-C120 RCI 16/DIE**	**1212328**	1
For 25 mm²	**CRIMPFOX-C50 RCI 25/DIE**	**1212348**	1	**CRIMPFOX-C120 RCI 25/DIE**	**1212329**	1
For 35 mm²				**CRIMPFOX-C120 RCI 35/DIE**	**1212330**	1
Die upper part, for uninsulated cable lugs, (DIN 46234) 6 - 35 mm², indent crimp						
	CRIMPFOX-C50 RC 35/M-DIE	**1212343**	1			
For 6 - 70 mm²				**CRIMPFOX-C120 RC 70/M-DIE**	**1212331**	1
Die lower part, for uninsulated cable lugs, 25 mm², indent crimp	**CRIMPFOX-C50 RC 25/F-DIE**	**1212344**	1			
For 35 mm²	**CRIMPFOX-C50 RC 35/F-DIE**	**1212345**	1			
For 10, 16, 25, 35 mm²				**CRIMPFOX-C120 RC 35/F-DIE**	**1212332**	1
For 6, 50 mm²				**CRIMPFOX-C120 RC 50/F-DIE**	**1212333**	1
For 10, 70 mm²				**CRIMPFOX-C120 RC 70/F-DIE**	**1212334**	1
Die (pair), for copper tube lugs, 35 mm², WM crimp						
	CRIMPFOX-C50 RCT 35-1/DIE	**1212341**	1			
For 16, 35 mm²				**CRIMPFOX-C120 RCT 35-1/DIE**	**1212320**	1
For 50 mm²	**CRIMPFOX-C50 RCT 50-1/DIE**	**1212342**	1			
For 25, 50 mm²				**CRIMPFOX-C120 RCT 50-1/DIE**	**1212321**	1
For 10, 70 mm²				**CRIMPFOX-C120 RCT 70-1/DIE**	**1212319**	1
For 95 mm²				**CRIMPFOX-C120 RCT 95-1/DIE**	**1212322**	1
For 120 mm²				**CRIMPFOX-C120 RCT 120-1/DIE**	**1212323**	1
Pre-round die (pair), for sector cable, 25, 35 mm²						
	CRIMPFOX-C50 R25-35/DIE	**1212349**	1			
For 35, 50 mm²	**CRIMPFOX-C50 R35-50/DIE**	**1212350**	1			
For 50, 70 mm²	**CRIMPFOX-C50 R50-70/DIE**	**1212351**	1			
For 25, 50 mm²				**CRIMPFOX-C120 R25-50/DIE**	**1212324**	1
For 35, 70 mm²				**CRIMPFOX-C120 R35-70/DIE**	**1212325**	1
For 95 mm²				**CRIMPFOX-C120 R95/DIE**	**1212326**	1

CRIMPFOX crimping pliers for uninsulated slip-on sleeves

N

- For processing uninsulated flat plugs and slip on sleeves with a cross section of up to 6 mm²
- Unlockable pressure lock
- Consistently high crimping quality
- Marked die stations for precise processing of the relevant cross sections

Notes:

For matching ferrules, cable lugs, and flat plugs, see page 444 onwards.

0.1 - 1.5 mm² conductor cross section

0.1 - 1.5 mm² conductor cross section

Technical data

Application range			
Conductor	[mm²] / AWG	0.1 - 1.5 / 26 - 16	0.1 - 1.5 / 26 - 16
Compression		B crimp	B crimp

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for 2.8 / 4.8 / 6.3 mm uninsulated slip-on sleeves, three marked die stations, unlockable pressure lock, lateral entry		**CRIMPFOX-SC 1,5**	**1212048**	1			
Crimping pliers, compact pliers, for uninsulated slip-on sleeves, 2.8 / 4.8 / 6.3 mm, three marked die stations, unlockable pressure lock, lateral entry					**CRIMPFOX-SC 1,5-M**	**1212725**	1
Crimping pliers, for 2.8 / 4.8 / 6.3 mm uninsulated slip-on sleeves, three marked die stations, unlockable pressure lock, lateral entry	black						
Crimping pliers, for 2.8 / 4.8 / 6.3 mm uninsulated slip-on sleeves, three marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool	black						
Crimping pliers, compact pliers, for angled, uninsulated slip-on sleeves, marked die station, unlockable pressure lock, lateral entry							

Accessories

Replacementdie		**CRIMPFOX-SC 1,5/DIE**	**1212049**	1			
Replacement recuperating spring		**CRIMPFOX/ SPR-3**	**1212036**	1	**CRIMPFOX/ SPR-1**	**1212069**	1

N

0.5 - 6 mm² conductor cross section

0.5 - 6 mm² conductor cross section

For angled slip-on sleeves,
1.0 - 2.5 mm² conductor cross section

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/ SPR-1	1212069	1

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

0.5 - 4 mm² conductor cross section

Technical data

Application range		
Conductor	[mm²] / AWG	0.5 - 4 / 22 - 12
Compression		Square crimp

Ordering data

Description	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 mm² turned contacts	**CRIMPFOX-TC 4**	**1212113**	1
For conductor cross sections of 6 – 10 mm²	**CRIMPFOX-TC 10**	**1212114**	1

Accessories

Replacement die			
- For CRIMPFOX-TC 4	**CRIMPFOX-TC 4/DIE**	**1212295**	1
- For CRIMPFOX-TC 10	**CRIMPFOX-TC 10/DIE**	**1212296**	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	**1212069**	1

CRIMPFOX four-mandrel crimping pliers for turned contacts, with digital display

– Crimping pliers for processing turned contacts of up to 2.5 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 sections up to 2.5 mm²

Technical data

Application range		
Conductor	[mm²] / AWG	0.08 - 2.5 / 28 - 13
Compression		Four-mandrel crimping

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for turned contacts, universal cross section setting, up to a maximum of 2.5 mm², digital display with 0.01 mm increments, unlockable pressure lock, lateral entry, including positioning tool	**CRIMPFOX-TC MP**	**1212510**	1

CRIMPFOX crimping pliers for coaxial connectors

N

- CRIMPFOX−CX... are crimping pliers for processing coaxial connectors
- Unlockable pressure lock
- Lateral conductor entry

Notes:

For replacement dies and retaining springs, go to the product area on the website at www.phoenixcontact.net/products.

	Technical data	Technical data
Application range		
Compression	HEX crimp	HEX crimp

	Ordering data			Ordering data		
Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping 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 plug-in 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 plug-in 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 plug-in 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 plug-in 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 plug-in connectors, 1.73 mm, 8.23 mm, 9.14 mm, three marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-CX 9,14**	**1212096**	1			
Crimping pliers, for: coaxial plug-in connectors, 2.54 mm, 10.54 mm, two marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-CX 10,54**	**1212097**	1			
Crimping pliers, for: coaxial plug-in connectors, 2.54 mm, 10.90 mm, two marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-CX 10,90**	**1212098**	1			
Crimping pliers, compact pliers, coaxial plug-in 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 plug-in 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

CRIMPFOX crimping pliers for coaxial CATV plug-in connectors

– CRIMPFOX-CATV... are crimping pliers for processing coaxial CATV plug-in connectors
– Unlockable pressure lock
– Lateral conductor entry

N

For 1.69 mm, 8.23 mm

N

For 6.65 mm, 8.23 mm, 9.70 mm

	Technical data	Technical data
Application range		
Compression	HEX crimp	HEX crimp

	Ordering data			Ordering data		
Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for CATV connectors, RG 6.59, 1.69 mm, 8.23 mm, two marked die stations, unlockable pressure lock, lateral entry	CRIMPFOX-CATV 8,23	1212716	1			
Crimping pliers, for CATV connectors, 6.65 mm, 8.23 mm, 9.70 mm, three marked die stations, unlockable pressure lock, lateral entry				CRIMPFOX-CATV 8,23-1	1212717	1

CRIMPFOX crimping pliers for D-SUB, coaxial, and fiber optic plug-in connectors

– CRIMPFOX−FO is a set of crimping pliers for processing fiber optic connectors
– Unlockable pressure lock
– Lateral conductor entry

Notes:

For replacement dies and retaining springs, go to the product area on the website at www.phoenixcontact.net/products.

Crimping pliers, for D-SUB contacts

Crimping pliers, for fiber optic connectors

	Technical data	Technical data
Application range		
Compression	B crimp	HEX crimp

	Ordering data			Ordering data		
Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers - For rolled D-SUB contacts, high-density, 0.08 mm² - 0.5 mm², incl. contact locator	CRIMPFOX-DSUB 5	1212111	1			
- For rolled D-SUB contacts, standard, 0.05 mm² - 0.5 mm², incl. contact locator	CRIMPFOX-DSUB 5-1	1212711	1			
Crimping pliers, for fiber optic 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				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

2.5 - 6 mm² conductor cross section

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, square crimp, for MC3 solar connectors, 2.5 – 6 mm², unlockable pressure lock, lateral entry, with three marked die stations	**CRIMPFOX-SR 6-1**	**1212467**	1
Crimping pliers, B-crimp, for MC4 solar connectors, 2.5 – 6 mm², unlockable pressure lock, lateral entry, with three marked die stations	**CRIMPFOX-SR 6-2**	**1212468**	1
Crimping pliers, square crimp, for SOLARLOK solar connectors, 2.5 – 6 mm², unlockable pressure lock, lateral entry, with three marked die stations	**CRIMPFOX-SR 6-3**	**1212469**	1

CRIMPFOX crimping pliers for socket contacts

– Crimping pliers, for crimping conductors to the STG-MTN socket contacts of the module
– Optimized mechanical transmission reduces the force required by up to 25 percent
– Four different die stations

0.5 - 2.5 mm² conductor cross section

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for rolled contacts 0.5 – 2.5 mm², four labeled countersunk stations, unlockable pressure lock, side entry, for STG–MTN module and socket contacts too	**CRIMPFOX MT 2,5**	**1204038**	1

Accessories

Replacement die	**CRIMPFOX MT 2,5 DIE**	**1208050**	1

CRIMPFOX universal pliers for accommodating various crimp inserts

- One of the key features of the CRIMPFOX−M crimping pliers is the way the crimp inserts can be quickly replaced without the need for tools
- The variety of inserts makes it a space-saving universal tool for all applications

Notes:

For more crimping dies for ferrules, cable lugs, slip-on sleeves, turned contacts, coaxial, RJ45, and RJ11 plugs, visit www.phoenixcontact.net/products.

Basic pliers

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Basic pliers, for accommodating dies for various contact types, pressure lock can be unlocked, lateral entry	**CRIMPFOX-M**	**1212072**	1
Crimping pliers set, consisting of CRIMPFOX-M and dies 1212074, 1212079, 1212080, 1212081	**CRIMPFOX-M SET**	**1212093**	1

Dies for the CRIMPFOX universal pliers

Notes:

For more crimping dies for ferrules, cable lugs, slip-on sleeves, turned contacts, coaxial, RJ45, and RJ11 plugs, visit www.phoenixcontact.net/products.

Dies for CRIMPFOX-M

Description	Ordering data		
	Type	**Order No.**	Pcs. / Pkt.
Die, for MC3 solar connectors, lateral entry, 2.5 - 6 mm²			
	CRIMPFOX-M SR 6-1/DIE	**1212471**	1
For MC4 solar connectors, lateral entry, 2.5 - 6 mm²	**CRIMPFOX-M SR 6-2/DIE**	**1212472**	1
For SOLARLOK solar connectors, lateral entry, 2.5 - 6 mm²	**CRIMPFOX-M SR 6-3/DIE**	**1212473**	1
Die, for ferrules, 0.25 - 10 mm²			
	CRIMPFOX-M 10/DIE	**1212080**	1
For 16 – 25 mm²	**CRIMPFOX-M 25/DIE**	**1212081**	1
For 35 – 50 mm²	**CRIMPFOX-M 50/DIE**	**1212082**	1
Die, for insulated cable lugs, 0.5 – 1.5 mm² and 1.5 – 2.5 mm²			
	CRIMPFOX-M RCI 2,5/DIE	**1212074**	1
For insulated cable lugs, 0.1 - 4 mm² and 4 - 6 mm²	**CRIMPFOX-M RCI 6/DIE**	**1212073**	1
Die, for uninsulated cable lugs, 0.75 - 2.5 mm²			
	CRIMPFOX-M RC 2,5/DIE	**1212078**	1
For 0.5 - 6 mm²	**CRIMPFOX-M RC 6/DIE**	**1212079**	1
For 4 - 6 and 10 mm²	**CRIMPFOX-M RC 10-1/DIE**	**1212744**	1
For 4 – 10 mm²	**CRIMPFOX-M RC 10/DIE**	**1212077**	1
Die, for uninsulated slip-on sleeves, 0.1 - 1 mm²			
	CRIMPFOX-M SC 1/DIE	**1212083**	1
For 0.5 – 2.5 mm²	**CRIMPFOX-M SC 2,5/DIE**	**1212084**	1
For 0.5 – 6 mm²	**CRIMPFOX-M SC 6/DIE**	**1212085**	1
with wide, flat crimp for 0.5 - 6 mm²	**CRIMPFOX-M SC 6-FL/DIE**	**1212741**	1
For angled slip-on sleeves, for 6.3 mm, 1.0 - 2.5 mm²	**CRIMPFOX-M SCA 2,5/DIE**	**1212742**	1
For angled slip-on sleeves, for 8 mm, 1.0 - 2.5 mm²	**CRIMPFOX-M SCA 2,5-1/DIE**	**1212743**	1
Die, For turned contacts with pin diameters 2.5 mm and 4.0 mm (CK 2,5…,CK 4,0), cross section 0.14 - 4 mm²	**CRIMPFOX-M TC 4/DIE**	**1212075**	1
For turned contacts with pin diameter 4 mm (CK 4,0...), cross section 6 – 10 mm²	**CRIMPFOX-M TC 10/DIE**	**1212076**	1
Die, for RG 174, RG 179, BNC, TNC coaxial connectors			
	CRIMPFOX-M CX-1/DIE	**1212087**	1
For RG 58, RG 59, RG 62, RG 71, BNC, TNC	**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 BNC, TNC, 1.72, 8.23 mm	**CRIMPFOX-M CX-8/DIE**	**1212749**	1
Die, for unshielded RJ45 plugs			
	CRIMPFOX-M RJ45/DIE	**1212090**	1
For unshielded RJ11 plugs	**CRIMPFOX-M RJ11/DIE**	**1212091**	1
Die, for shrink connectors, 0.1 – 0.4 mm² green and 4 – 6 mm² yellow			
	CRIMPFOX-M HS-1/DIE	**1212282**	1
Die, for shrink connectors, 0.5 -1.5 mm² red and 1.5 - 2.5 mm² blue	**CRIMPFOX-M HS/DIE**	**1219092**	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

N

Basic pliers

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Basic pliers, for accommodating dies for various contact types, pressure lock can be unlocked, lateral entry	**CRIMPFOX-C D**	**1212734**	1
Die, for unshielded RJ11 plugs			
Die, for unshielded RJ22 plugs			
Die, for unshielded RJ45 plugs			
Die, for unshielded RJ45 plugs, universal			
Die, 10-pos.			
Die, for DEC MML plugs			

N

Die for CRIMPFOX-C D

Ordering data

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-C RJ11/DIE	1212735	1
CRIMPFOX-C RJ22/DIE	1212736	1
CRIMPFOX-C RJ45/DIE	1212737	1
CRIMPFOX-C RJ45U/DIE	1212738	1
CRIMPFOX-C 10P/DIE	1212739	1
CRIMPFOX-C MMJ/DIE	1212740	1

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

Description	Type	Order No.	Pcs. / Pkt.
		Ordering data	
Screwdriver, for slotted-head screws, with VDE approval			
Blade: 0.4 x 2.5 x 80 mm, length: 161 mm	**SZS 0,4X2,5 VDE**	**1205037**	10
Blade: 0.5 x 3.5 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 60 mm, length: 145 mm			
Blade: 0.4 x 2.5 x 75 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			

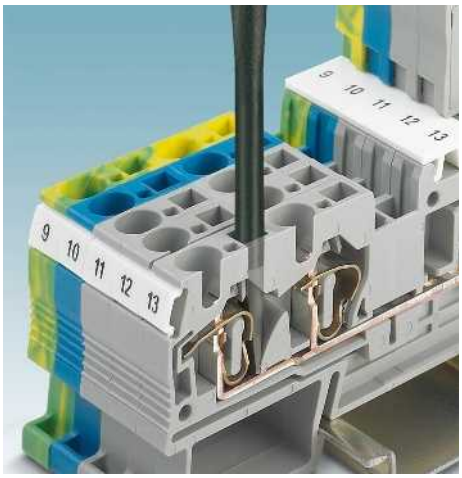
Flat-bladed screwdriver, uninsulated

Applied for:
GOST

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

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
– Because the insulation runs into the shaft, there is no protruding edge

VDE flat-bladed screwdrivers with integrated insulation

Description	Type	Order No.	Pcs. / Pkt.
		Ordering data	
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	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm	**SF-SL 0,8X4,0-100 S-VDE**	**1212588**	10
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm	**SF-SL 1,0X5,5-125 S-VDE**	**1212589**	10
Screwdriver, protective insulation integrated into shaft, insulated according to VDE Size: PZ1 x 80 mm Size: PZ2 x 100 mm			
Screwdriver, protective insulation integrated into shaft, insulated according to VDE Size: PH1 x 80 mm Size: PH2 x 100 mm			
Screwdriver, protective insulation integrated into shaft, insulated according to VDE Size: Pozidriv® - slotted (plus-minus) PZ1 x 80 mm Size: Pozidriv® - slotted (plus-minus) PZ2 x 100 mm			
Screwdriver, protective insulation integrated into shaft, insulated according to VDE Size: Phillips-Recess® - slotted (plus-minus) PH1 x 80 mm Size: Phillips-Recess® - slotted (plus-minus) PH2 x 100 mm			
Screwdriver set, protective insulation integrated into shaft, slotted/Phillips crosshead/combined profile, Pozidriv® + slotted (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			

VDE screwdriver with Pozidriv® or Phillips-Recess®drive

VDE screwdriver with plus-minus drive

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

SCREWFOX screwdriver and actuation tool for ST and QTC terminal blocks

– In addition to the standard application, these screwdrivers are also ideal for actuating modular terminal blocks from the ST ... and QTC ... series

Flat-bladed screwdriver, uninsulated

Description	Type	Order No.	Pcs. / Pkt.
		Ordering data	
Screwdriver/actuation tool, for slotted-head screws/spring-cage terminal blocks Blade: 0.4 x 2.5 x 75 mm, length: 156 mm	**SZF 0-0,4X2,5**	**1204504**	10
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	**SZF 1-0,6X3,5**	**1204517**	10
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm	**SZF 2-0,8X4,0**	**1204520**	10
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm	**SZF 3-1,0X5,5**	**1206612**	10
Screwdriver/actuation tool, for slotted-head screws/spring-cage terminal blocks, insulated Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	**SZS 0,6X3,5**	**1205053**	10
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			

Actuation tool for push-in technology, ST and QTC terminal blocks

Ordering data

Type	Order No.	Pcs. / Pkt.
ST-BW	**1207608**	10

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

VDE Phillips screwdriver with Pozidriv® drive

Description	Type	Order No.	Pcs. / Pkt.
		Ordering data	
Screwdrivers, for Pozidriv®/Supadriv® Phillips screws, VDE approval			
Size: PZ0 x 80 mm, length: 161 mm	**SZK PZ0 VDE**	**1206447**	10
Size: PZ1 x 80 mm, length: 178 mm	**SZK PZ1 VDE**	**1206450**	10
Size: PZ2 x 100 mm, length: 205 mm	**SZK PZ2 VDE**	**1206463**	10
Size: PZ3 x 150 mm, length: 262 mm	**SZK PZ3 VDE**	**1212599**	10
Screwdrivers, for Phillips Recess® screws, VDE approval			
Size: PH0 x 80 mm, length: 161 mm	**SZK PH0 VDE**	**1205147**	10
Size: PH1 x 80 mm, length: 178 mm	**SZK PH1 VDE**	**1205150**	10
Size: PH2 x 100 mm, length: 205 mm	**SZK PH2 VDE**	**1205163**	10
Size: PH3 x 150 mm, length: 262 mm	**SZK PH3 VDE**	**1212536**	10
Screwdrivers, for Pozidriv® Phillips screws			
Size: PZ0 x 60 mm, length: 141 mm			
Size: PZ1 x 80 mm, length: 178 mm			
Size: PZ2 x 100 mm, length: 205 mm			
Size: PZ3 x 150 mm, length: 262 mm			
Screwdrivers, for Phillips Recess® screws			
Size: PH0 x 60 mm, length: 141 mm			
Size: PH1 x 80 mm, length: 178 mm			
Size: PH2 x 100 mm, length: 205 mm			
Size: PH3 x 150 mm, length: 262 mm			
Screwdriver, for Pozidriv®/Supadriv® Phillips screws, VDE approval			
Size: PZ1 x 80 mm, length: 178 mm			
Size: PZ2 x 100 mm, length: 205 mm			
Size: PH1 x 80 mm, length: 178 mm			
Size: PH2 x 100 mm, length: 205 mm			
Screwdriver, for test socket screws, with VDE approval			
For 2.3 mm Ø screw, blade: 0.6 x 3.5 x 100 mm, length: 198 mm			
For 4 mm Ø screw, blade: 0.9 x 6.5 x 175 mm, length: 287 mm			

Phillips screwdriver with Pozidriv® drive

VDE screwdriver with plus/minus drive

VDE screwdriver for test socket screws

Applied for:
GOST

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 TSD-M 6NM version

Torque screw driver, 0.3 - 1.2 Nm, adjustable

Description	Type	Order No.	Pcs. / Pkt.
	Ordering data		
Torque screwdrivers			
Adjustable from 0.3 - 1.2 Nm	**TSD-M 1,2NM**	**1212224**	1
Adjustable from 1.2 - 3 Nm	**TSD-M 3NM**	**1212225**	1
Adjustable from 3 - 6 Nm	**TSD-M 6NM**	**1212226**	1
	Accessories		
Battery-powered screwdriver bit set, 1 attachment set each in 5.5 mm, 8 mm, 13 mm, adapter to ¼"	**ASD BIT SET HN**	**1209952**	1
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	**BHN 5,5**	**1209965**	1
Wrench size of 8 mm	**BHN 8**	**1209978**	1
Wrench size of 10 mm	**BHN 10**	**1209981**	1
Wrench size of 13 mm	**BHN 13**	**1209994**	1
Adapter for ¼"	**BF 6,3**	**1209936**	1
Adapter insert, for torque screwdrivers with adjustable torque, for accommodating SAC nuts for 4 mm hexagonal screwdrivers	**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
- Torque accuracy of ±5 percent
- Adjustable from 0.3 - 4.4 Nm
- With optional snap-on protective cap to prevent unintentional torque adjustment

21 different torque stages

Applied for:
GOST

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Cordless screwdriver, 3.6 V, incl. rechargeable battery, 1.5 Ah	**SF-ASD 21**	**1212532**	1
Cordless screwdriver set, incl. two rechargeable batteries and charger, 230 V	**SF-ASD 21 SET 230V**	**1212530**	1

Accessories

Universal bit holder, E6.3-1/4" drive, with automatic locking, one-hand operation, magnetic, for bits according to DIN 3126 C 6.3 and E 6.3	**SF-UBH**	**1212590**	1
Replacement charger, for SF–ASD 21 cordless screwdriver, 230 V	**SF-ASD 21/CHARGER 230V**	**1212535**	1
Replacement battery, for SF-ASD 21, 1.5 Ah	**SF-ASD 21/ACCU 1,5 AH**	**1212533**	1

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

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

Universal bit holder

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Universal bit holder, E6.3-1/4" drive, with automatic locking, one-hand operation, magnetic, for bits according to DIN 3126 C 6.3 and E 6.3	silver	**SF-UBH**	**1212590**	1
Screw bit, slotted, E6,3-1/4" drive, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173				
Size: 0.5 x 3.0 x 50 mm	silver			
Size: 0.5 x 3.0 x 70 mm	silver			
Size: 0.6 x 3.5 x 50 mm	silver			
Size: 0.6 x 3.5 x 70 mm	silver			
Size: 0.8 x 4.0 x 50 mm	silver			
Size: 0.8 x 4.0 x 70 mm	silver			
Size: 1.0 x 5.5 x 50 mm	silver			
Size: 1.0 x 5.5 x 70 mm	silver			
Size: 1.2 x 6.5 x 70 mm	silver			
Screw bit, PH cross, E6.3-1/4" drive, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173				
Size: PH 1 x 50 mm	silver			
Size: PH 2 x 50 mm	silver			
Size: PH 3 x 50 mm	silver			
Size: PH 1 x 70 mm	silver			
Size: PH 2 x 70 mm	silver			
Size: PH 3 x 70 mm	silver			
Screw bit, PZ cross, E6.3-1/4" drive, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173				
Size: PZ 1 x 50 mm	silver			
Size: PZ 2 x 50 mm	silver			
Size: PZ 3 x 50 mm	silver			
Size: PZ 1 x 70 mm	silver			
Size: PZ 2 x 70 mm	silver			
Size: PZ 3 x 70 mm	silver			
Screw bit, PZ/slotted plus/minus, E6.3-1/4" drive, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173				
Size: PZ 1 x 70 mm	silver			
Size: PZ 2 x 70 mm	silver			
Size: PH 1 x 70 mm	silver			
Size: PH 2 x 70 mm	silver			
Screw bit, slotted, graduated, E6.3-1/4" drive, for test socket screws, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173				
Size: 0.6 x 3.5 x 50 mm	silver			
Size: 0.9 x 6.5 x 50 mm	silver			

Screw bit, slotted

Applied for:
GOST

Ordering data

Type	Order No.	Pcs. / Pkt.
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 1,0X5,5-50	1212574	5
SF-BIT-SL 1,0X5,5-70	1212575	5
SF-BIT-SL 1,2X6,5-70	1212577	5
SF-BIT-SLS 0,6X3,5-50	1212605	5
SF-BIT-SLS 0,9X6,5-50	1212606	5

Screw bit, PH and PZ cross-recessed

Applied for:
GOST

Ordering data

Type	Order No.	Pcs. / Pkt.
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

Screw bit, plus/minus

Applied for:
GOST

Ordering data

Type	Order No.	Pcs. / Pkt.
SF-BIT-PZSL 1-70	1212603	5
SF-BIT-PZSL 2-70	1212604	5
SF-BIT-PHSL 1-70	1212479	5
SF-BIT-PHSL 2-70	1212601	5

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®

Applied for:
GOST

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	silver	**SF-BIT-TX 8-50**	**1212570**	5
Size: TX 10 x 50 mm	silver	**SF-BIT-TX 10-50**	**1212573**	5
Size: TX 15 x 50 mm	silver	**SF-BIT-TX 15-50**	**1212576**	5
Size: TX 20 x 50 mm	silver	**SF-BIT-TX 20-50**	**1212578**	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

SCREWFOX socket wrenches

SHN ...

– Ergonomically designed two-component grip for fatigue-proof and non-slip use

SF-THEX ...

– Ergonomically designed handles ensure an optimum grip and help avoid fatigue when working
– The hardened blades are designed for durability
– Optimum edge geometries increase the bearing surface and prevent the screws from being over-tightened

VDE-ISS ...

– VDE-insulated Allen wrench with double-layer insulation, for twice the level of safety

Allen screw set

– Offset screwdriver set in convenient holder
– The strict fabrication tolerances and special hardening process ensure reliability and optimum work results
– The ball head on the long limb makes it possible to carry out work in hard-to-access areas

Hexagon insert bit, wrench size of 5.5 / 8 / 13 mm

Applied for:
GOST

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Socket wrench, hexagon			
Wrench size of 5.5 mm	**SHN 5.5**	**1209855**	1
Wrench size of 8 mm	**SHN 8**	**1209868**	1
Wrench size of 13 mm	**SHN 13**	**1209923**	1
T-handle screwdriver, for Allen screws, ergonomically shaped handle, matt chrome-plated			
Size: hex 2 x 100 mm			
Size: hex 2.5 x 100 mm			
Size: hex 3 x 100 mm			
Size: hex 4 x 150 mm			
Size: hex 5 x 150 mm			
Size: hex 6 x 200 mm			
Size: hex 8 x 200 mm			
Size: hex 10 x 200 mm			
Allen wrench, fully insulated, safety tool in accordance with EN 60900, length: 150 mm, handle width: 110 mm			
Wrench size 5 mm, for M6 screws			
Wrench size 6 mm, for M8 screws			
Wrench size 8 mm, for M10 screws			
Allen wrench set, 9-part, 1.5 to 10.0 mm, chrome-plated matt finish, with ball head, incl. bracket			

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

Applied for:
GOST

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

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

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Torque screwdriver			
With preset torque of 0.2 Nm and 4 mm hexagonal drive	**TSD 02 SAC**	**1208487**	1
With preset torque of 0.4 Nm and 4 mm hexagonal drive	**TSD 04 SAC**	**1208429**	1
With preset torque of 0.8 Nm and a 4 mm hexagonal drive	**TSD 08 SAC**	**1212597**	1
With preset torque of 2.0 Nm and 4 mm hexagonal drive	**TSD 20 SAC**	**1212020**	1
With preset torque of 2.5 Nm and 4 mm hexagonal drive	**TSD 25 SAC**	**1212315**	1
Torque screwdrivers			
Adjustable from 0.3 - 1.2 Nm	**TSD-M 1,2NM**	**1212224**	1
Adjustable from 1.2 - 3 Nm	**TSD-M 3NM**	**1212225**	1
Adjustable from 3 - 6 Nm	**TSD-M 6NM**	**1212226**	1
Adapter insert, for torque screwdrivers with adjustable torque, for accommodating SAC nuts for 4 mm hexagonal screwdrivers	**TSD-M SAC-BIT ADAPTER**	**1212600**	1

Accessories

Nut			
For assembling sensor/actuator cables with M8 plug-in connectors and for M8 plug-in connectors with insulation displacement connection, for 4 mm hexagonal screwdriver	**SAC BIT M8-D10**	**1208461**	1
For assembling SACC M8 plug-in connectors with longitudinal knurl, excluding those with insulation displacement connection, for 4 mm hexagonal screwdriver	**SACC BIT M8-D12**	**1208474**	1
For assembling sensor/actuator cables with M12 plug-in connectors and for M12 plug-in connectors with insulation displacement connection, for 4 mm hexagonal screwdriver	**SAC BIT M12-D15**	**1208432**	1
For assembling SACC M12 plug-in connectors, excluding those with insulation displacement connection, for 4 mm hexagonal screwdriver	**SACC BIT M12-D20**	**1208445**	1
For mounting M12 plug-in connectors with hexagonal stainless steel knurl, wrench size 14, with 4 mm hexagonal drive	**SAC BIT M12-W14**	**1212513**	1
For assembling 7/8" connectors, with 4 mm hexagonal drive	**SAC BIT MIN-D25**	**1212512**	1
For the reliable tightening of the pressure nuts with a wrench size of 13 mm, for 4 mm hexagonal screwdriver	**SAC BIT QUICKON-W13**	**1212033**	1
For reliable tightening of the pressure nuts with a wrench size of 24 mm, for 4 mm hexagonal screwdriver	**SAC BIT HOOD-W 24**	**1212486**	1

SCREWFOX universal control cabinet key

1

2

3

Four-way closure

– 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

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Control cabinet key, metal, for all common types of control cabinet	**USS 4**	**1203149**	1

SCREWFOX universal control cabinet key

1

2

3

4

Nine-way closure

– **Universal control cabinet key,** with strong chain and snap hook, for the following closures:
1 = 5, 6, 7-8, 9-10 mm square
2 = 7, 8 - 9, 10 - 11 mm triangle
3 = 3-5 mm two-way key bit
4 = 6 mm semicircle

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Control cabinet key, metal, for all common types of control cabinet	**SF-CCK 9**	**1212525**	1

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

		Technical data	Technical data
General data			
Voltage range	[V DC]	- ... -	6 ... 400
Voltage range	[V AC]	150 ... 250	6 ... 400

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Voltage tester, single-position, for 150 - 250 V, conforms to DIN 57680/6 and VDE 0680/6, can also be used as an actuation tool for spring-cage terminal blocks, VDE insulated, with non-slip grip, size: 0.5 x 3.0 x 70 mm		**SF-VT VDE**	**1212598**	10			
Voltage tester	black				**PROFIPOL**	**1209101**	1

TESTFOX voltage and continuity tester

– DC and AC voltage tests in the range from 12 V to 1000 V AC/1100 V DC, fully functional even without batteries
– Polarity test (+/-) for DC voltage
– Single-pos. test of the phase conductor (phase): “R” symbol in the display field for AC voltage
– Indicator for rotary field direction of a three-phase network as long as the star point is grounded
– Measuring point lighting
– Acoustic and optical continuity test
– Load connection using a pushbutton
– Vibration alarm for safe voltage detection
– Shock-proof housing that is protected against dust and splash water, IP65
– Surge voltage category CAT IV 600 V and CAT III 1000 V according to IEC/EN 61243-3:2011

		Technical data
General data		
Voltage range	[V DC]	12 ... 1100
Voltage range	[V AC]	12 ... 1000

Description	Color	Type	Order No.	Pcs. / Pkt.
Voltage tester	black	**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

	Technical data	Technical data
General data		
Display scope	2000 digits	4000 digits
Accuracy of display	1,0 %	0,5 %
AC voltage measuring range	0.1 V ... 600 V	0.1 mV ... 600 V
DC voltage measuring range	0.1 V ... 600 V	0.1 mV ... 600 V
AC current measuring range	0.1 A ... 400 A	10 mA ... 300 A
DC current measuring range	- ... -	10 mA ... 300 A
Resistance measuring range	0.1 Ω ... 20 MΩ	0.1 Ω ... 40 MΩ
Continuity test range	Acoustic (20 Ω)	Acoustic (50 Ω)
Degree of protection	IP30	IP30
Measuring category	CAT III 600 V	CAT III 300 V / CAT II 600 V
Voltage supply	2 x micro battery 1.5 V, LR03, AAA	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE 0411	IEC/EN 61010-1, DIN VDE 0411

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Current pliers/multimeter	black	**TESTFOX CC**	**1212210**	1			
Current pliers/multimeter	black				**TESTFOX CC-1**	**1212211**	1

TESTFOX digital multimeter

For DC and AC voltages

- 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 infeed side right through to the point of interruption

Technical data

General data	
Display scope	2000 digits
Accuracy of display	0.5%
Volt sensor	yes
AC voltage measuring range	0.1 mV ... 750 V
DC voltage measuring range	0.1 mV ... 1000 V
AC current measuring range	- ... -
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

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Digital multimeter	black	**TESTFOX M**	**1212208**	1
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

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 further sets, visit www.phoenixcontact.net/products

Tool set in a case

Tool set in a carry case wrap

Applied for:
GOST

Applied for:
GOST

Description	Ordering data			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 I WIREFOX 10 I WIREFOX-D 40 I CUTFOX 18 I SZF 1-0,6X3,5 I 5 m tape measure I 50 pcs. JBC 2,5/5 junction box connectors I TOOL-KIT STANDARD EMPTY	**TOOL-KIT STANDARD**	**1212422**	1			
Tool case, empty	**TOOL-KIT STANDARD EMPTY**	**1212423**	1			
Tool carry case wrap, equipped with one of each of the following tools: CUTFOX-S VDE I CUTFOX 16 VDE I UNIFOX-C VDE I UNIFOX-P VDE I SZS 0,4X2,5 I SZS 0,5X3,0 I SZS 1,0X4,0 I SZS 1,0X6,5 I SZK PH0 I SZK PH1 I SZK PH2 I PROFIPOL I 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 I CUTFOX 18 I WIREFOX-D 13 I UNIFOX-CE VDE I USS 4 I SZS 0,5X3,0 I SZS 1,0X4,0 I SZS 1,0X5,5 I SZK PH1 I SZK PH2 I Cutting knife I 5 m tape measure I PROFIPOL I TOOL-BELTPOUCH EMPTY						
Tool belt pouch, empty						
Tool bag, equipped with one of each of the following tools: CUTFOX S VDE I CUTFOX 18 I WIREFOX 10 VDE I WIREFOX-D 13 I WIREFOX-D 28 I CRIMPFOX-M I CRIMPFOX-M 10/DIE I UNIFOX-CE VDE I UNIFOX-P VDE I UNIFOX WP I SZS 0,4X2,5 I SZS 0,5X3,0 I SZS 1,0X4,0 I SZS 1,0X6,5 I SZK PH0 I SZK PH1 I SZK PH2 I PROFIPOL I USS 4 I Cutting knife I 5 m tape measure I 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 I CUTFOX-S VDE I WIREFOX 10 I WIREFOX-D 40 I CRIMPFOX-M SET I UNIFOX-C VDE I UNIFOX-P VDE I UNIFOX WP I SZS 0,4X2,5 I SZS 0,5X3,0 I SZS 1,0X4,0 I SZS 1,0X6,5 I SZK PH0 I SZK PH1 I SZK PH2 I DUSPOL EXPERT I USS 4 I AI SORTI BOX RD I Cutting knife I 5 m tape measure I TOOL-BAG EMPTY						
Tool bag, with document and laptop compartments, empty						

Tool set in a belt pouch

Applied for:
GOST

Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL-BELTPOUCH	1212506	1
TOOL-BELTPOUCH EMPTY	1212502	1

Tool set in a shoulder bag

Applied for:
GOST

Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL-CARRIER	1212503	1
TOOL-CARRIER EMPTY	1212499	1

Tool set in a bag with laptop and document compartments

Applied for:
GOST

Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL-BAG	1212504	1
TOOL-BAG EMPTY	1212500	1

TOOL fox, tool sets

– We have put together a number of attractive tool sets for you by selecting products from our comprehensive range of professional tools

Applied for:
GOST

Description	Type	Order No.	Pcs. / Pkt.
		Ordering data	
Stripping, crimping, and cutting set, consisting of: cable cutter for copper and aluminum up to 12 mm Ø, stripping tool for stripping multicore signal, control, and fiberglass wires of Ø 2.5 – 11 mm, insulation thickness up to 1 mm, Basic pliers for accommodating dies for different contact types, die, for CRIMPFOX–M, for unshielded RJ45 plugs	**TOOL DATA SET**	**1208856**	1
Cutting, stripping, and crimping set, consisting of: cable cutter for copper and aluminum up to Ø 12 mm, stripping tool for cables and conductors with a cross section of 0.02 – 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, crimping pliers for ferrules measuring 0.14 – 10 mm²			
Stripping, crimping, and screwing set, consisting of: screwdriver for slotted-head screws, stripping tool for 0.02 – 10 mm² cables and conductors, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, crimping pliers for ferrules acc. to DIN 46228 Parts 1+4, 0.5 – 6 mm², front insertion, square crimping Ferrules, CSA-certified, 50 pcs. each of: AI 0,5–8 WH, AI 2,5–8 BU Ferrules, CSA-certified, 100 pcs. each of: AI 0,75–8 GY, AI 1-8 RD, AI 1,5–8 BK			
Range box, made of metal, equipped with ferrules in accordance with DIN 46228–4: 1990–09, CSA-certified 500 pieces each of AI 0,25-6 YE, AI 0,34-6 TQ, AI 0,5-8 WH, AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK, 300 pieces of AI 2,5-8 BU, 200 pieces of AI 4-10 GY, 100 pieces of AI 6-12 YE as well as stripping tool for wires and conductors of up to 6 mm² Crimp pliers for ferrules in accordance with DIN 46228, Part 1+4, 0.5 – 6 mm², front insertion, trapezoidal crimp			
Range box, made of metal, equipped with ferrules in accordance with DIN 46228–4: 1990–09, CSA-certified 300 pieces of AI 10-12 RD, 200 pieces of AI 16-12 BU, 100 pieces of AI 25-16 YE as well as stripping tool, for stripping cables of 4.5 - 40 mm, crimping pliers for ferrules in accordance with DIN 46228, Part 1+4, 10 - 25 mm², lateral insertion, WM crimp			
Assortment box, metal, no components mounted			

Ordering data

Type	Order No.	Pcs. / Pkt.
TOOL SET ALLROUND 2	1208843	1

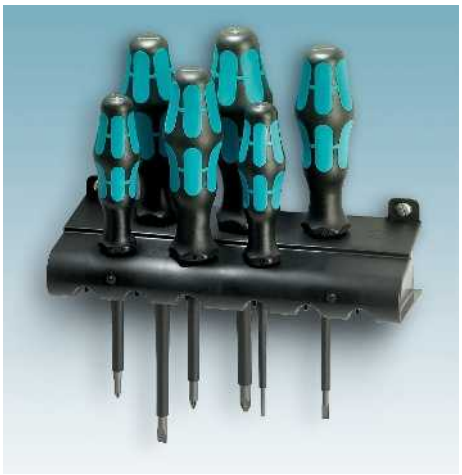
Ordering data

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

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

Applied for:
GOST

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
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	**SF-SL/PH SET**	**1212541**	1
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	**SF-SL/PZ SET**	**1212542**	1
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	**SF-SL/PZ SET VDE**	**1212540**	1
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	**SF-SL/PH SET VDE**	**1212539**	1
Screwdriver set, protective insulation integrated into shaft, slotted/Phillips crosshead/combined profile, Pozidriv® + slotted (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	**SF-SL/PH/PZ-SL SET S-VDE**	**1212701**	1
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	**SF-TXH SET**	**1212538**	1
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	**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

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Bit set, with SF–UBH universal bit holder, 25 mm long slotted/cross-recessed (PZ and PH) bits, 10-part	**SF-BIT SET**	**1212545**	10
Battery-powered screwdriver bit set, 1 attachment set each in 5.5 mm, 8 mm, 13 mm, adapter to ¼"	**ASD BIT SET HN**	**1209952**	1

TOOL fox, screwdriver set

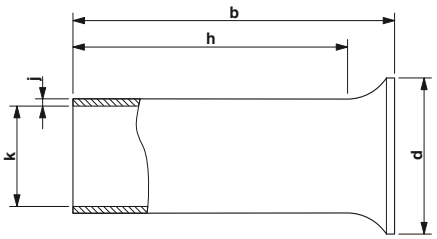
- Bit screwdriver set, packed in a practical belt pouch
- Equipped with the most common types of screw bit

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
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	**SF-M SET**	**1212543**	1

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



Conductor cross sections from 0.14 to 35 mm²

Notes:

[1]) These ferrules are not included in DIN 46228−4:1990−09.

Technical data

General data

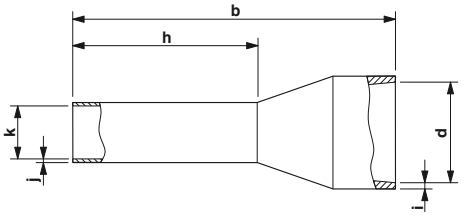
Material / coating: E-CU / tin-plated (galvanic)

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. / Pkt.
Ferrules, without plastic sleeves, CSA-certified													
	0.25[1])	24	silver	-	5.00	1.70	4.30	-	0.15	0.80	**A 0,25- 5**	**3202465**	1000
	0.25[1])	24	silver	-	7.00	1.70	6.30	-	0.15	0.80	**A 0,25- 7**	**3202478**	1000
	0.34[1])	22	silver	-	7.00	1.80	6.30	-	0.15	0.90	**A 0,34- 7**	**3009202**	1000
	0.5	20	silver	-	6.00	2.10	5.30	-	0.15	1.00	**A 0,5 - 6**	**3200218**	1000
	0.5[1])	20	silver	-	8.00	2.10	7.30	-	0.15	1.00	**A 0,5 - 8**	**3202481**	1000
	0.5	20	silver	-	10.00	2.10	9.30	-	0.15	1.00	**A 0,5 -10**	**3202494**	1000
	0.75	18	silver	-	6.00	2.30	5.30	-	0.15	1.20	**A 0,75- 6**	**3200221**	1000
	0.75[1])	18	silver	-	8.00	2.30	7.30	-	0.15	1.20	**A 0,75- 8**	**3202504**	1000
	0.75	18	silver	-	10.00	2.30	9.30	-	0.15	1.20	**A 0,75-10**	**3200234**	1000
	1	18	silver	-	6.00	2.50	5.30	-	0.15	1.40	**A 1 - 6**	**3200247**	1000
	1[1])	18	silver	-	8.00	2.50	7.30	-	0.15	1.40	**A 1 - 8**	**3202517**	1000
	1	18	silver	-	10.00	2.50	9.30	-	0.15	1.40	**A 1 -10**	**3200250**	1000
	1.5	16	silver	-	7.00	2.80	6.00	-	0.15	1.70	**A 1,5 - 7**	**3200263**	1000
	1.5	16	silver	-	10.00	2.80	9.00	-	0.15	1.80	**A 1,5 -10**	**3200276**	1000
	1.5	16	silver	-	12.00	2.80	11.00	-	0.15	1.70	**A 1,5 -12**	**3202588**	1000
	1.5	16	silver	-	15.00	2.80	14.00	-	0.15	1.70	**A 1,5 -15**	**3202591**	1000
	1.5	16	silver	-	18.00	2.80	17.00	-	0.15	1.70	**A 1,5 -18**	**3202601**	1000
	2.5	14	silver	-	7.00	3.40	6.00	-	0.15	2.20	**A 2,5 - 7**	**3200289**	1000
	2.5	14	silver	-	12.00	3.40	11.00	-	0.15	2.20	**A 2,5 -12**	**3200292**	1000
	2.5	14	silver	-	18.00	3.40	17.00	-	0.15	2.20	**A 2,5 -18**	**3202821**	1000
	4	12	silver	-	9.00	4.00	8.00	-	0.20	2.80	**A 4 - 9**	**3200302**	1000
	4	12	silver	-	12.00	4.00	11.00	-	0.20	2.80	**A 4 -12**	**3200315**	1000
	4	12	silver	-	18.00	4.00	17.00	-	0.20	2.80	**A 4 -18**	**3202834**	1000
	6	10	silver	-	10.00	4.70	9.00	-	0.20	3.50	**A 6 -10**	**3202520**	500
	6	10	silver	-	12.00	4.70	11.00	-	0.20	3.50	**A 6 -12**	**3200328**	500
	10	8	silver	-	12.00	5.80	10.80	-	0.20	4.50	**A 10 -12**	**3200331**	500
	10	8	silver	-	18.00	5.80	16.80	-	0.20	4.50	**A 10 -18**	**3200344**	500
	16	6	silver	-	12.00	7.50	10.50	-	0.20	5.80	**A 16 -12**	**3200425**	100
	25[1])	4	silver	-	12.00	9.50	10.00	-	0.20	7.30	**A 25 -12**	**3200357**	100
	25	4	silver	-	15.00	9.50	13.00	-	0.20	7.30	**A 25 -15**	**3200360**	100
	25	4	silver	-	18.00	9.50	16.00	-	0.20	7.30	**A 25 -18**	**3200373**	100
	25[1])	4	silver	-	20.00	9.50	18.00	-	0.20	7.30	**A 25 -20**	**3200386**	100
	35	2	silver	-	18.00	11.00	16.00	-	0.20	8.30	**A 35 -18**	**3200399**	100
	35[1])	2	silver	-	20.00	11.00	18.00	-	0.20	8.30	**A 35 -20**	**3200409**	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 AI 0,25.. can also be used to process conductors with a cross section of 0.14 mm²



Conductor cross sections from 0.14 to 120 mm²

Notes:

[1]) These ferrules are not included in DIN 46228–4:1990–09.

Technical data

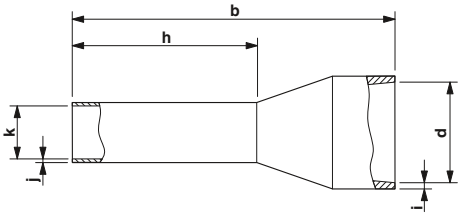
General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene
Long/short-term temperature	105°C / 120°C

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. / Pkt.
Ferrules, with plastic sleeve, color range as per **DIN 46228-4: 1990-09,** CSA-certified													
	0.25[1])	22	yellow	-	10.50	2.00	6.00	0.25	0.15	0.80	**AI 0,25- 6 YE**	**3203024**	100
	0.25[1])	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
	0.5[1])	20	white	-	18.00	2.50	12.00	0.25	0.15	1.10	**AI 0,5 -12 WH**	**3200506**	100
	0.75	18	gray	-	12.00	2.80	6.00	0.25	0.15	1.30	**AI 0,75- 6 GY**	**3200690**	100
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY**	**3200519**	100
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY -1000**	**3200894**	1000
	0.75	18	gray	-	16.00	2.80	10.00	0.25	0.15	1.30	**AI 0,75-10 GY**	**3201288**	100
	0.75	18	gray	-	18.00	2.80	12.00	0.25	0.15	1.30	**AI 0,75-12 GY**	**3200849**	100
	1	18	red	-	12.00	3.00	6.00	0.30	0.15	1.50	**AI 1 - 6 RD**	**3200742**	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD**	**3200030**	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD -1000**	**3200904**	1000
	1	18	red	-	16.00	3.00	10.00	0.30	0.15	1.50	**AI 1 -10 RD**	**3200182**	100
	1	18	red	-	18.00	3.00	12.00	0.30	0.15	1.50	**AI 1 -12 RD**	**3200674**	100
	1.5[1])	16	black	-	12.00	3.40	6.00	0.30	0.15	1.80	**AI 1,5 - 6 BK**	**3200755**	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK**	**3200043**	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK -1000**	**3200917**	1000
	1.5	16	black	-	18.00	3.40	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK**	**3200195**	100
	1.5	16	black	-	18.50	3.40	12.00	0.30	0.15	1.80	**AI 1,5 -12 BK**	**3201482**	100
	1.5	16	black	-	24.00	3.40	18.00	0.30	0.15	1.80	**AI 1,5 -18 BK**	**3200056**	100
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU**	**3200522**	100
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU -1000**	**3200920**	1000
	2.5[1])	14	blue	-	17.00	4.20	10.00	0.30	0.15	2.30	**AI 2,5 -10 BU**	**3202533**	100
	2.5	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	-	19.00	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	-	28.00	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	-	35.00	11.00	22.00	0.50	0.20	7.30	**AI 25 -22 YE**	**3200700**	50
	35	2	red	-	30.00	12.50	16.00	0.50	0.20	8.30	**AI 35 -16 RD**	**3200441**	50
	35	2	red	-	32.00	12.50	18.00	0.50	0.20	8.30	**AI 35 -18 RD**	**3201495**	50
	35	2	red	-	39.00	12.50	25.00	0.50	0.20	8.30	**AI 35 -25 RD**	**3200713**	50
	50	1/0	blue	-	36.00	15.00	20.00	0.60	0.35	10.30	**AI 50 -20 BU**	**3200454**	50
	50	1/0	blue	-	40.00	15.00	25.00	0.60	0.35	10.30	**AI 50 -25 BU**	**3200726**	25
	70[1])	2	yellow	-	37.00	16.00	20.00	0.60	0.35	12.70	**AI 70 -20 YE**	**3201848**	25
	95[1])	4	red	-	44.00	18.00	25.00	0.60	0.35	14.70	**AI 95 -25 RD**	**3201853**	25
	120[1])	5	blue	-	48.00	21.00	27.00	0.70	0.45	16.70	**AI120 -27 BU**	**3201822**	25

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



Conductor cross sections from 0.5 to 50 mm²

Notes:

[1]) These ferrules are not included in DIN 46228−4:1990−09.

Technical data

General data

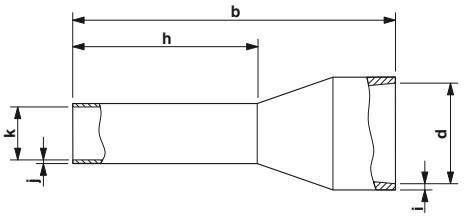
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene
Long/short-term temperature	105°C / 120°C

Ordering data

Description	Cross section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. / Pkt.
Ferrules, with plastic sleeve, color code as per NF C 63-023: 1994-02, CSA-certified													
	0.5	20	white	-	12.00	2.50	6.00	0.25	0.15	1.10	**AI 0,5 - 6 WH**	**3200687**	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH**	**3200014**	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH -1000**	**3200881**	1000
	0.5	20	white	-	16.00	2.50	10.00	0.25	0.15	1.10	**AI 0,5 -10 WH**	**3201275**	100
	0.5[1])	20	white	-	18.00	2.50	12.00	0.25	0.15	1.10	**AI 0,5 -12 WH**	**3200506**	100
	0.75	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	-	18.00	3.40	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK**	**3200195**	100
	1.5	16	black	-	18.50	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	-	19.00	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	-	35.00	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
- The AI 0,25.. can also be used to process conductors with a cross section of 0.14 mm²



Conductor cross sections from 0.14 to 120 mm²

Notes:

[1]) These ferrules are not included in DIN 46228−4:1990−09.

Technical data

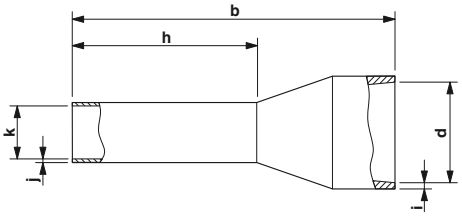
General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene
Long/short-term temperature	105°C / 120°C

Ordering data

Description	Cross section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. / Pkt.
Ferrules, with plastic sleeve, special colors, CSA-certified													
	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	0.25	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
	0.75	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
	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	-	19.00	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

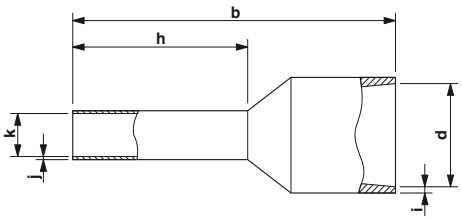
Technical data	
General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene
Long/short-term temperature	105°C / 120°C

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. / Pkt.
Ferrules, with 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

– These ferrules can be used for short-circuit-proof cables
– Previous methods of achieving correct conductor insulation are much more time consuming



Conductor cross sections from 1.5 to 16 mm²

Technical data

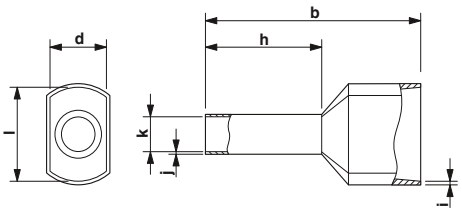
General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene
Long/short-term temperature	105°C / 120°C

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. / Pkt.
Ferrules, with plastic sleeve, color range as per **DIN 46228-4: 1990-09,** CSA-certified													
	1.5	16	black	-	17.50	7.00	8.00	0.30	0.15	1.80	**AI-XL 1,5- 8 BK**	**3201916**	100
	1.5	16	black	-	19.50	7.00	10.00	0.30	0.15	1.80	**AI-XL 1,5-10 BK**	**3201974**	100
	2.5	14	blue	-	17.50	7.90	8.00	0.30	0.15	2.30	**AI-XL 2,5- 8 BU**	**3201929**	100
	2.5	14	blue	-	21.50	7.90	12.00	0.30	0.15	2.30	**AI-XL 2,5-12 BU**	**3201987**	100
	4	12	gray	-	19.50	7.90	10.00	0.30	0.20	2.90	**AI-XL 4 -10 GY**	**3201932**	100
	6	10	yellow	-	23.00	8.70	12.00	0.30	0.20	3.60	**AI-XL 6 -12 YE**	**3201945**	100
	10	8	red	-	24.00	10.20	12.00	0.30	0.20	4.60	**AI-XL 10 -12 RD**	**3201958**	100
	16	6	blue	-	25.50	12.50	12.00	0.40	0.20	6.00	**AI-XL 16 -12 BU**	**3201961**	100

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

	Technical data	Technical data
General data		
Material / coating		E-CU / tin-plated (galvanic)
Plastic sleeve material		polypropylene
Long/short-term temperature		105°C / 120°C

					Dimensions [mm]					Ordering data		
Description	Cross section [mm²]	AWG	Color	b	d	h	i	j	k	l	Type	Order No.	Pcs. / Pkt.
Ferrules, with plastic sleeve, color range as per **DIN 46228-4: 1990-09,** CSA-certified													
	2 x 0.5	2 x 20	white	15.00	2.50	8.00	0.25	0.15	1.50	4.70	**AI-TWIN 2X 0,5 - 8 WH**	**3200933**	100
	2 x 0.75	2 x 18	gray	15.00	2.80	8.00	0.25	0.15	1.80	5.00	**AI-TWIN 2X 0,75- 8 GY**	**3200807**	100
	2 x 0.75	2 x 18	gray	17.00	2.80	10.00	0.25	0.15	1.80	5.00	**AI-TWIN 2X 0,75-10 GY**	**3200975**	100
	2 x 1	2 x 18	red	15.00	3.40	8.00	0.30	0.15	2.05	5.40	**AI-TWIN 2X 1 - 8 RD**	**3200810**	100
	2 x 1	2 x 18	red	17.00	3.40	10.00	0.30	0.15	2.05	5.40	**AI-TWIN 2X 1 -10 RD**	**3200988**	100
	2 x 1	2 x 18	red	17.00	3.40	12.00	0.30	0.15	2.05	5.40	**AI-TWIN 2X1-12 RD**	**3240679**	100
	2 x 1.5	2 x 16	black	16.00	3.60	8.00	0.30	0.15	2.30	6.60	**AI-TWIN 2X 1,5 - 8 BK**	**3200823**	100
	2 x 1.5	2 x 16	black	18.00	3.60	10.00	0.30	0.15	2.30	6.60	**AI-TWIN 2X 1,5 -10 BK**	**3201534**	100
	2 x 1.5	2 x 16	black	20.00	3.60	12.00	0.30	0.15	2.30	6.60	**AI-TWIN 2X 1,5 -12 BK**	**3200991**	100
	2 x 2.5	2 x 14	blue	18.50	4.20	10.00	0.30	0.20	2.90	7.80	**AI-TWIN 2X 2,5 -10 BU**	**3200836**	100
	2 x 2.5	2 x 14	blue	21.50	4.20	13.00	0.30	0.20	2.90	7.80	**AI-TWIN 2X 2,5 -13 BU**	**3200878**	100
	2 x 4	2 x 12	gray	23.00	4.90	12.00	0.30	0.20	3.80	8.80	**AI-TWIN 2X 4 -12 GY**	**3201000**	100
	2 x 6	2 x 10	yellow	25.00	5.90	14.00	0.40	0.20	4.90	10.00	**AI-TWIN 2X 6 -14 YE**	**3201013**	100
	2 x 10	2 x 8	red	26.00	7.20	14.00	0.40	0.20	6.50	13.00	**AI-TWIN 2X10 -14 RD**	**3201026**	100
	2 x 16	2 x 6	blue	31.00	8.80	16.00	0.50	0.20	8.50	16.60	**AI-TWIN 2X16 -16 BU**	**3202847**	50
Ferrules, with plastic sleeve, color range according to NF C 63-023, CSA-certified													
	2 x 0.75	18	blue	15.00	2.80	8.00	0.25	0.15	1.80	5.00	**AI-TWIN 2X0,75-8 BU**	**3240668**	100
	2 x 2.5	14	gray	18.50	4.20	10.00	0.30	0.20	2.90	7.80	**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

Technical data

General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene
Long/short-term temperature	105°C / 120°C

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. / Pkt.
Taped ferrules, with plastic sleeve, large coils for automatic processing, color range acc. to DIN 46228–4: 1990–09, CSA certified													
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5-8 WH-B 3000**	**3240663**	3000
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75-8 GY-B 3000**	**3240664**	3000
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1-8 RD-B 3000**	**3240665**	3000
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5-8 BK-B 2500**	**3240666**	2500
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5-8 BU-B 1500**	**3240667**	1500

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

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Assortment box, equipped with ferrules in accordance with DIN 46228-4, CSA-certified 500 pcs. each of AI 0,5-8 WH, AI 2,5-8 BU, 100 pcs. each of AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK	red	**AI SORTI BOX RD**	**3202960**	1
Assortment box, equipped with ferrules in accordance with DIN 46228-4, CSA-certified 50 pcs. of AI 4-10 GY, 20 pcs. each of AI 6-12 YE, AI 10-12 RD, 10 pcs. of AI 16-12 BU	anthracite	**AI SORTI BOX ANT**	**3202973**	1
Assortment 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	blue	**AI-TWIN SORTI BOX BU**	**3202986**	1
Assortment box, equipped with TWIN ferrules in accordance with DIN 46228-4, CSA-certified 20 pcs. of AI-TWIN 2x4-12 GY, 10 pcs. each of AI-TWIN 2x6-14 YE, AI-TWIN 2x10-14 RD	gray	**AI-TWIN SORTI BOX GY**	**3202999**	1
Assortment box, empty, with five compartments	light gray	**AI SORTI BOX-E LGY**	**3203008**	10

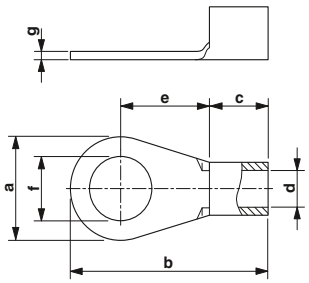
Ferrule set with tools

– Stripping and crimping set with a selection of CSA/CSA-certified ferrules

Description	Ordering data		
	Type	Order No.	Pcs. / Pkt.
Assortment box, made of metal, equipped with ferrules in accordance with DIN 46228–4: 1990–09, CSA-certified 500 pieces each of AI 0,25-6 YE, AI 0,34-6 TQ, AI 0,5-8 WH, AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK, 300 pieces of AI 2,5-8 BU, 200 pieces of AI 4-10 GY, 100 pieces of AI 6-12 YE as well as stripping tool for cables and conductors of up to 6 mm² Crimp pliers for ferrules in accordance with DIN 46228, Part 1+4, 0.5 – 6 mm², front insertion, trapezoidal crimp	**CRIMPSET 6**	**1202072**	1
Assortment box, made of metal, equipped with ferrules in accordance with DIN 46228–4: 1990–09, CSA-certified 300 pieces of AI 10-12 RD, 200 pieces of AI 16-12 BU, 100 pieces of AI 25-16 YE as well as stripping tool, for stripping cables of 4.5 - 40 mm, Crimp pliers for ferrules in accordance with DIN 46228, Part 1+4, 10 - 25 mm², lateral insertion, WM crimp	**CRIMPSET 25**	**1202580**	1
Assortment box, metal, no components mounted	**CRIMPSET 6/25 LEER**	**1204041**	1

Ring cable lugs, uninsulated

- The ring cable lugs without plastic sleeve are made from high-quality tin-plated electrolytic copper for maximum protection against corrosion
- The hard-soldered 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

Technical data	
General data	
Material / coating	Copper / Tin-plated
Temperature range [°C]	... 110

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Ring cable lug, uninsulated, as per DIN 46234													
	0.5 - 1	20 - 18	silver	6.00	14.00	5.00	1.60	6.00	2.80	0.80	**C-RC 1/M2,5 DIN**	**3240069**	100
	0.5 - 1	20 - 18	silver	6.00	14.00	5.00	1.60	6.00	3.20	0.80	**C-RC 1/M3 DIN**	**3240070**	100
	0.5 - 1	20 - 18	silver	6.00	14.00	5.00	1.60	6.00	3.70	0.80	**C-RC 1/M3,5 DIN**	**3240071**	100
	0.5 - 1	20 - 18	silver	8.00	16.00	5.00	1.60	7.00	4.30	0.80	**C-RC 1/M4 DIN**	**3240072**	100
	0.5 - 1	20 - 18	silver	10.00	18.00	5.00	1.60	8.00	5.30	0.80	**C-RC 1/M5 DIN**	**3240073**	100
	0.5 - 1	20 - 18	silver	10.00	18.00	5.00	1.60	8.00	6.50	0.80	**C-RC 1/M6 DIN**	**3240074**	100
	0.5 - 1	20 - 18	silver	11.60	22.00	5.00	1.60	12.00	8.40	0.80	**C-RC 1/M8 DIN**	**3240075**	100
	1 - 2.5	18 - 14	silver	6.00	14.00	5.00	2.30	6.00	3.20	0.80	**C-RC 2,5/M3 DIN**	**3240076**	100
	1 - 2.5	18 - 14	silver	6.00	14.00	5.00	2.30	6.00	3.70	0.80	**C-RC 2,5/M3,5 DIN**	**3240077**	100
	1 - 2.5	18 - 14	silver	8.00	16.00	5.00	2.30	7.00	4.30	0.80	**C-RC 2,5/M4 DIN**	**3240078**	100
	1 - 2.5	18 - 14	silver	10.00	19.00	5.00	2.30	9.00	5.30	0.80	**C-RC 2,5/M5 DIN**	**3240079**	100
	1 - 2.5	18 - 14	silver	11.00	21.50	5.00	2.30	11.00	6.50	0.80	**C-RC 2,5/M6 DIN**	**3240080**	100
	1 - 2.5	18 - 14	silver	14.00	24.00	5.00	2.30	12.00	8.40	0.80	**C-RC 2,5/M8 DIN**	**3240081**	100
	1 - 2.5	18 - 14	silver	14.00	25.40	5.00	2.30	12.00	10.50	0.80	**C-RC 2,5/M10 DIN**	**3240082**	100
	2.5 - 6	14 - 10	silver	8.00	17.50	6.00	3.60	8.00	4.30	1.00	**C-RC 6/M4 DIN**	**3240083**	50
	2.5 - 6	14 - 10	silver	10.00	20.00	6.00	3.60	9.00	5.30	1.00	**C-RC 6/M5 DIN**	**3240084**	50
	2.5 - 6	14 - 10	silver	11.00	22.00	6.00	3.60	10.00	6.50	1.00	**C-RC 6/M6 DIN**	**3240085**	50
	2.5 - 6	14 - 10	silver	14.00	26.00	6.00	3.60	13.00	8.40	1.00	**C-RC 6/M8 DIN**	**3240086**	50
	2.5 - 6	14 - 10	silver	18.00	30.00	6.00	3.60	15.00	10.50	1.00	**C-RC 6/M10 DIN**	**3240087**	50
	2.5 - 6	14 - 10	silver	18.00	35.50	6.00	3.60	15.00	13.00	1.00	**C-RC 6/M12 DIN**	**3240088**	50
	- 10	- 8	silver	10.00	21.00	8.00	4.50	8.00	5.30	1.10	**C-RC 10/M5 DIN**	**3240089**	100
	- 10	- 8	silver	11.00	23.00	8.00	4.50	9.00	6.50	1.10	**C-RC 10/M6 DIN**	**3240090**	100
	- 10	- 8	silver	14.00	27.00	8.00	4.50	12.00	8.40	1.10	**C-RC 10/M8 DIN**	**3240091**	100
	- 10	- 8	silver	18.00	30.00	8.00	4.50	13.00	10.50	1.10	**C-RC 10/M10 DIN**	**3240092**	100
	- 10	- 8	silver	22.00	34.00	8.00	4.50	15.00	13.00	1.10	**C-RC 10/M12 DIN**	**3240093**	100
	- 16	- 6	silver	11.00	26.00	10.00	5.80	10.00	5.30	1.10	**C-RC 16/M5 DIN**	**3240094**	100
	- 16	- 6	silver	11.00	26.00	10.00	5.80	10.00	6.50	1.20	**C-RC 16/M6 DIN**	**3240095**	100
	- 16	- 6	silver	14.00	29.00	10.00	5.80	12.00	8.40	1.20	**C-RC 16/M8 DIN**	**3240096**	100
	- 16	- 6	silver	18.00	33.00	10.00	5.80	14.00	10.50	1.20	**C-RC 16/M10 DIN**	**3240097**	100
	- 16	- 6	silver	22.00	37.00	10.00	5.80	16.00	13.00	1.20	**C-RC 16/M12 DIN**	**3240098**	100
	- 25	- 4	silver	12.00	31.00	11.00	7.50	14.00	5.30	1.50	**C-RC 25/M5 DIN**	**3240099**	100
	- 25	- 4	silver	12.00	31.00	11.00	7.50	14.00	6.50	1.50	**C-RC 25/M6 DIN**	**3240100**	100
	- 25	- 4	silver	16.00	33.00	11.00	7.50	14.00	8.40	1.50	**C-RC 25/M8 DIN**	**3240101**	100
	- 25	- 4	silver	18.00	35.00	11.00	7.50	15.00	10.50	1.50	**C-RC 25/M10 DIN**	**3240102**	100
	- 25	- 4	silver	31.00	42.00	11.00	7.50	20.00	13.00	1.50	**C-RC 25/M12 DIN**	**3240103**	100
	- 25	- 4	silver	35.00	49.00	11.00	7.50	25.00	17.00	1.50	**C-RC 25/M16 DIN**	**3240104**	100
	- 35	- 2	silver	15.00	34.00	12.00	9.00	14.00	6.50	1.60	**C-RC 35/M6 DIN**	**3240105**	100
	- 35	- 2	silver	16.00	34.00	12.00	9.00	14.00	8.40	1.60	**C-RC 35/M8 DIN**	**3240106**	100
	- 35	- 2	silver	18.00	36.00	12.00	9.00	15.00	10.50	1.60	**C-RC 35/M10 DIN**	**3240107**	100
	- 35	- 2	silver	22.00	42.00	12.00	9.00	19.00	13.00	1.60	**C-RC 35/M12 DIN**	**3240108**	100
	- 35	- 2	silver	28.00	50.00	12.00	9.00	24.00	17.00	1.60	**C-RC 35/M16 DIN**	**3240109**	100
	- 50	- 1/0	silver	18.00	43.00	16.00	11.00	18.00	6.50	1.80	**C-RC 50/M6 DIN**	**3240110**	100
	- 50	- 1/0	silver	18.00	43.00	16.00	11.00	18.00	8.40	1.80	**C-RC 50/M8 DIN**	**3240111**	100
	- 50	- 1/0	silver	18.00	43.00	16.00	11.00	18.00	10.50	1.80	**C-RC 50/M10 DIN**	**3240112**	100
	- 50	- 1/0	silver	22.00	47.00	16.00	11.00	20.00	13.00	1.80	**C-RC 50/M12 DIN**	**3240113**	100
	- 50	- 1/0	silver	28.00	54.00	16.00	11.00	24.00	17.00	1.80	**C-RC 50/M16 DIN**	**3240114**	100
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	6.50	2.00	**C-RC 70/M6 DIN**	**3240115**	100
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	8.40	2.00	**C-RC 70/M8 DIN**	**3240116**	100
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	10.50	2.00	**C-RC 70/M10 DIN**	**3240117**	100
	- 95	- 3/0	silver	24.00	54.00	20.00	15.00	22.00	8.40	2.50	**C-RC 95/M8 DIN**	**3240120**	50
	- 95	- 3/0	silver	24.00	54.00	20.00	15.00	22.00	10.50	2.50	**C-RC 95/M10 DIN**	**3240121**	50
	- 95	- 3/0	silver	24.00	54.00	20.00	15.00	22.00	13.00	2.50	**C-RC 95/M12 DIN**	**3240122**	50

Ring cable lugs, uninsulated

Conductor cross sections from 0.5 to 240 mm²

Technical data

General data	
Material / coating	Copper / Tin-plated
Temperature range [°C]	... 110

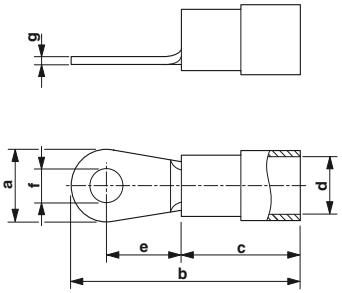
Technical data

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Ring cable lug, uninsulated, as per DIN 46234													
	120	250	silver	24.00	56.00	22.00	16.50	22.00	8.40	3.00	**C-RC 120/M8 DIN**	**3240124**	25
	120	250	silver	24.00	56.00	22.00	16.50	22.00	10.50	3.00	**C-RC 120/M10 DIN**	**3240125**	25
	120	250	silver	24.00	56.00	22.00	16.50	22.00	13.00	3.00	**C-RC 120/M12 DIN**	**3240126**	25
	150	300	silver	30.00	65.00	24.00	19.00	26.00	10.50	3.20	**C-RC 150/M10 DIN**	**3240128**	25
	150	300	silver	30.00	65.00	24.00	19.00	26.00	13.00	3.20	**C-RC 150/M12 DIN**	**3240129**	25
	150	300	silver	30.00	65.00	24.00	19.00	26.00	17.00	3.20	**C-RC 150/M16 DIN**	**3240130**	25
	185	350	silver	36.00	74.00	28.00	21.00	22.00	10.50	3.50	**C-RC 185/M10 DIN**	**3240131**	20
	185	350	silver	36.00	74.00	28.00	21.00	22.00	13.00	3.50	**C-RC 185/M12 DIN**	**3240132**	20
	185	350	silver	36.00	74.00	28.00	21.00	22.00	17.00	3.50	**C-RC 185/M16 DIN**	**3240133**	20
	240	500	silver	38.00	75.00	32.00	23.50	24.00	10.50	4.00	**C-RC 240/M10 DIN**	**3240134**	10
	240	500	silver	38.00	75.00	32.00	23.50	24.00	13.00	4.00	**C-RC 240/M12 DIN**	**3240135**	10
	240	500	silver	38.00	75.00	32.00	23.50	24.00	17.00	4.00	**C-RC 240/M16 DIN**	**3240136**	10

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

Technical data

General data	
Material / coating	Copper / Tin-plated
Temperature range [°C]	-20 ... 105

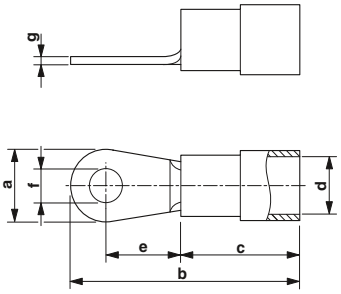
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Ring cable lug, insulated as per UL													
	0.5 - 1.5	20 - 16	red	5.50	17.50	10.50	4.10	4.30	3.20	0.75	**C-RCI 1,5/M3**	**3240016**	100
	0.5 - 1.5	20 - 16	red	5.50	17.50	10.50	4.10	4.30	3.70	0.75	**C-RCI 1,5/M3,5**	**3240017**	100
	0.5 - 1.5	20 - 16	red	8.00	21.70	10.50	4.10	7.30	4.30	0.75	**C-RCI 1,5/M4**	**3240018**	100
	0.5 - 1.5	20 - 16	red	8.00	21.70	10.50	4.10	7.30	5.30	0.75	**C-RCI 1,5/M5**	**3240019**	100
	0.5 - 1.5	20 - 16	red	11.60	27.60	10.50	4.10	11.20	6.50	0.75	**C-RCI 1,5/M6**	**3240020**	100
	1.5 - 2.5	16 - 14	blue	6.60	20.60	11.00	4.50	7.80	3.20	0.80	**C-RCI 2,5/M3**	**3240021**	100
	1.5 - 2.5	16 - 14	blue	6.60	20.60	11.00	4.50	6.30	3.70	0.80	**C-RCI 2,5/M3,5**	**3240022**	100
	1.5 - 2.5	16 - 14	blue	8.50	23.00	11.00	4.50	7.80	4.30	0.80	**C-RCI 2,5/M4**	**3240023**	100
	1.5 - 2.5	16 - 14	blue	9.50	23.00	11.00	4.50	7.30	5.30	0.80	**C-RCI 2,5/M5**	**3240024**	100
	1.5 - 2.5	16 - 14	blue	12.00	28.10	11.00	4.50	11.00	6.50	0.80	**C-RCI 2,5/M6**	**3240025**	50
	1.5 - 2.5	16 - 14	blue	12.00	28.10	11.00	4.50	11.00	8.50	0.80	**C-RCI 2,5/M8**	**3240026**	50
	4 - 6	16 - 14	yellow	9.50	26.70	14.00	6.60	8.00	4.30	1.00	**C-RCI 6/M4**	**3240027**	50
	4 - 6	12 - 10	yellow	9.50	26.70	14.00	6.60	8.00	5.30	1.00	**C-RCI 6/M5**	**3240028**	50
	4 - 6	12 - 10	yellow	12.00	32.70	14.00	6.60	12.70	6.50	1.00	**C-RCI 6/M6**	**3240029**	25
	4 - 6	12 - 10	yellow	15.00	34.90	14.00	6.60	13.40	8.50	1.00	**C-RCI 6/M8**	**3240030**	25
	4 - 6	12 - 10	yellow	15.00	34.90	14.00	6.60	13.40	10.50	1.00	**C-RCI 6/M10**	**3240031**	25
	- 10	- 8	red	10.00	31.30	16.00	7.50	10.90	5.30	1.10	**C-RCI 10/M5**	**3240219**	50
	- 10	- 8	red	11.00	31.30	16.00	7.50	19.30	6.50	1.10	**C-RCI 10/M6**	**3240220**	50
	- 10	- 8	red	14.00	37.30	16.00	7.50	13.80	8.40	1.10	**C-RCI 10/M8**	**3240221**	50
	- 10	- 8	red	18.00	37.30	16.00	7.50	13.80	10.50	1.10	**C-RCI 10/M10**	**3240222**	50

N

Ring cable lugs, insulated with additional crimp zone for conductor insulation

– 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

Technical data

General data

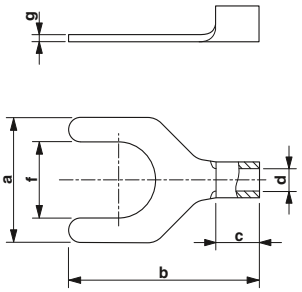
Material / coating	Copper / Tin-plated
Temperature range [°C]	-20 ... 105

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Ring cable lug, insulated with additional crimp zone for conductor insulation													
	0.5 - 1.5	20 - 16	red	5.50	17.50	10.50	4.10	4.30	3.20	0.75	**C-RCEI 1,5/M3**	**3241201**	100
	0.5 - 1.5	20 - 16	red	5.50	17.50	10.50	4.10	4.30	3.70	0.75	**C-RCEI 1,5/M3,5**	**3241202**	100
	0.5 - 1.5	20 - 16	red	8.00	21.70	10.50	4.10	7.30	4.30	0.75	**C-RCEI 1,5/M4**	**3241203**	100
	0.5 - 1.5	20 - 16	red	8.00	21.70	10.50	4.10	7.30	5.30	0.75	**C-RCEI 1,5/M5**	**3241204**	100
	0.5 - 1.5	20 - 16	red	11.60	27.60	10.50	4.10	11.20	6.50	0.75	**C-RCEI 1,5/M6**	**3241205**	100
	1.5 - 2.5	16 - 14	blue	6.60	20.60	11.00	4.50	6.30	3.70	0.80	**C-RCEI 2,5/M3,5**	**3241206**	100
	1.5 - 2.5	16 - 14	blue	8.50	23.00	11.00	4.50	7.80	4.30	0.80	**C-RCEI 2,5/M4**	**3241207**	100
	1.5 - 2.5	16 - 14	blue	9.50	23.00	11.00	4.50	7.30	5.30	0.80	**C-RCEI 2,5/M5**	**3241208**	100
	1.5 - 2.5	16 - 14	blue	12.00	28.10	11.00	4.50	11.00	6.50	0.80	**C-RCEI 2,5/M6**	**3241209**	100
	1.5 - 2.5	16 - 14	blue	12.00	28.10	11.00	4.50	11.00	8.50	0.80	**C-RCEI 2,5/M8**	**3241210**	100
	4 - 6	12 - 10	yellow	9.50	26.70	14.00	6.60	8.00	5.30	1.00	**C-RCEI 6/M5**	**3241211**	100
	4 - 6	12 - 10	yellow	12.00	32.70	14.00	6.60	12.70	6.50	1.00	**C-RCEI 6/M6**	**3241212**	100
	4 - 6	12 - 10	yellow	15.00	34.90	14.00	6.60	13.40	8.50	1.00	**C-RCEI 6/M8**	**3241213**	100
	4 - 6	12 - 10	yellow	15.00	34.90	14.00	6.60	13.40	10.50	1.00	**C-RCEI 6/M10**	**3241214**	100

Fork-type cable lugs, insulated and uninsulated

– 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

Technical data

General data

Material / coating	Copper / Tin-plated
Temperature range [°C]	... 110

Technical data

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Fork-type cable lug, uninsulated DIN 46234													
	0.5 - 1.5	20 - 16	silver	5.70	16.00	4.50	1.90	-	3.20	0.75	**C-FC 1,5/M3**	**3240137**	100
	0.5 - 1.5	20 - 16	silver	6.20	16.00	4.50	1.90	-	3.70	0.75	**C-FC 1,5/M3,5**	**3240138**	100
	0.5 - 1.5	20 - 16	silver	7.20	16.00	4.50	1.90	-	4.30	0.75	**C-FC 1,5/M4**	**3240139**	100
	0.5 - 1.5	20 - 16	silver	8.00	16.00	4.50	1.90	-	5.30	0.75	**C-FC 1,5/M5**	**3240140**	100
	0.5 - 1.5	20 - 16	silver	10.70	17.00	4.50	1.90	-	6.40	0.80	**C-FC 1,5/M6**	**3240141**	100
	1.5 - 2.5	16 - 14	silver	5.70	16.00	4.80	2.50	-	3.20	0.80	**C-FC 2,5/M3**	**3240142**	100
	1.5 - 2.5	16 - 14	silver	6.20	16.00	4.80	2.50	-	3.70	0.80	**C-FC 2,5/M3,5**	**3240143**	100
	1.5 - 2.5	16 - 14	silver	7.20	16.00	4.80	2.50	-	4.30	0.80	**C-FC 2,5/M4**	**3240144**	100
	1.5 - 2.5	16 - 14	silver	8.00	16.00	4.80	2.50	-	5.30	0.80	**C-FC 2,5/M5**	**3240145**	100
	1.5 - 2.5	16 - 14	silver	10.70	17.00	4.80	2.50	-	6.40	0.80	**C-FC 2,5/M6**	**3240146**	100
	1.5 - 2.5	16 - 14	silver	13.50	22.10	4.80	2.50	-	8.40	0.80	**C-FC 2,5/M8**	**3240147**	100
	4 - 6	12 - 10	silver	8.20	19.50	6.50	3.60	-	4.30	1.00	**C-FC 6/M4**	**3240148**	50
	4 - 6	12 - 10	silver	9.00	19.50	6.50	3.60	-	5.30	1.00	**C-FC 6/M5**	**3240149**	50
	4 - 6	12 - 10	silver	12.00	23.10	6.50	3.60	-	6.40	1.00	**C-FC 6/M6**	**3240150**	50
	4 - 6	12 - 10	silver	13.50	25.00	6.50	3.60	-	8.40	1.00	**C-FC 6/M8**	**3240151**	50

Fork-type cable lugs, insulated and uninsulated

– 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

Technical data

General data	
Material / coating	Copper / Tin-plated
Temperature range [°C]	-20 ... 105

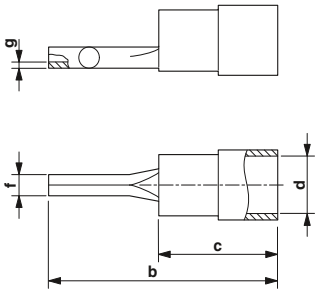
Technical data

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Fork-type cable lug, insulated as per 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
	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

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

Technical data

General data	
Material / coating	Copper / Tin-plated
Temperature range [°C]	-20 ... 105

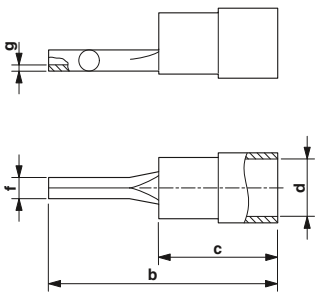
Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Pin cable lug, insulated as per UL													
	0.5 - 1.5	20 - 16	red	-	22.50	10.50	4.10	-	2.00	0.75	**C-PCI 1,5/2**	**3240064**	100
	1.5 - 2.5	16 - 14	blue	-	23.00	11.00	4.50	-	2.00	0.80	**C-PCI 2,5/2**	**3240066**	100
	4 - 6	12 - 10	yellow	-	27.50	14.00	6.60	-	2.70	0.80	**C-PCI 6/2,7**	**3240068**	50

Pin cable lugs, insulated with additional crimp zone for conductor insulation

N

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

Technical data

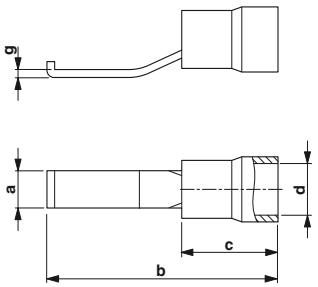
General data	
Material / coating	Copper / Tin-plated
Temperature range [°C]	-20 ... 105

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Pin cable lug, insulated with additional crimp zone for conductor insulation													
	0.5 - 1.5	20 - 16	red	-	22.50	10.50	4.10	-	2.00	0.75	**C-PCEI 1,5/2**	**3241215**	100
	1.5 - 2.5	16 - 14	blue	-	23.00	11.00	4.50	-	2.00	0.80	**C-PCEI 2,5/2**	**3241216**	100
	4 - 6	12 - 10	yellow	-	27.50	14.00	6.60	-	2.70	0.80	**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

Technical data

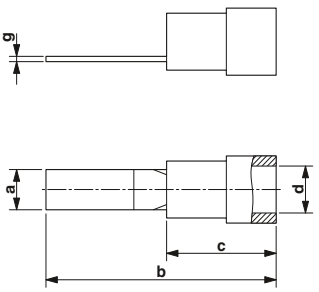
General data	
Material / coating	Copper / Tin-plated
Temperature range [°C]	-20 ... 105

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Flat pin cable lug, insulated													
	0 - 1.5	20 - 16	red	2.80	28.00	10.50	4.00	-	-	0.80	**C-BCI 1,5/2,8**	**3240015**	100
	0.5 - 1.5	20 - 16	red	4.60	28.00	10.50	4.00	-	-	0.80	**C-BCI 1,5/4,6**	**3240568**	100
	1.5 - 2.5	16 - 14	blue	2.80	28.50	11.00	4.50	-	-	0.80	**C-BCI 2,5/2,8**	**3240046**	100
	1.5 - 2.5	16 - 14	blue	4.60	28.50	11.00	4.50	-	-	0.80	**C-BCI 2,5/4,6**	**3240569**	100
	4 - 6	12 - 10	yellow	2.80	32.00	14.00	6.50	-	-	0.80	**C-BCI 6/2,8**	**3240047**	50
	4 - 6	12 - 10	yellow	4.60	32.00	14.00	6.50	-	-	1.00	**C-BCI 6/4,6**	**3240570**	50

Flat pin cable lugs, straight, insulated

– Easy 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

Technical data

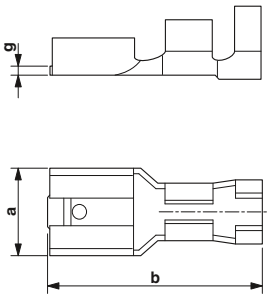
General data	
Material / coating	CU / electrogalvanized
Temperature range [°C]	-20 ... 105

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Flat pin cable lug, insulated, pin dimensions:													
19.5 x 2.8 mm	0.5 - 1.5	20 - 16	red	2.80	19.50	10.50	4.10	-	-	0.75	**C-BCSI 1,5/9X2,8**	**3240531**	100
20 x 2.8 mm	1.5 - 2.5	16 - 14	blue	2.80	20.00	11.00	4.50	-	-	0.80	**C-BCSI 2,5/9X2,8**	**3240532**	100
32 x 4.5 mm	4 - 6	12 - 10	yellow	2.80	24.00	14.00	6.60	-	-	1.00	**C-BCSI 6/10X2,8**	**3240546**	100
24 x 2.8 mm	4 - 6	12 - 10	yellow	4.50	32.00	14.00	6.60	-	-	1.00	**C-BCSI 6/18X4,5**	**3240533**	100

Slip-on sleeves and flat plugs, uninsulated

– The uninsulated slip-on sleeves and flat plugs are made from electrolytically tin-plated brass
– They round off the product range in terms of connectors



Conductor cross sections from 0.5 to 6 mm²

Technical data

General data	
Material / coating	Brass / Tin-plated
Temperature range [°C]	... 110

Ordering data

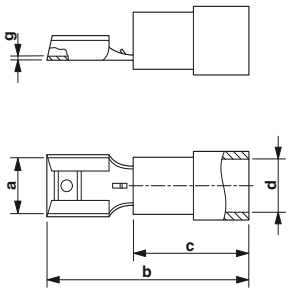
Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Slip-on sleeve, uninsulated as per DIN 46247													
	0.5 - 1	20 - 18	silver	2.80	14.50	-	-	-	-	0.30	**C-SCF 1/2,8X0,5**	**3240152**	100
	0.5 - 1	20 - 18	silver	2.80	12.50	-	-	-	-	0.30	**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 plug, uninsulated 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 plugs, insulated

The key features of the insulated flat plugs 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

Technical data

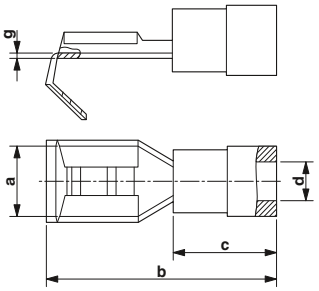
General data	
Material / coating	Brass / Tin-plated
Temperature range [°C]	-20 ... 105

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Slip-on sleeve, insulated as per UL													
	0.5 - 1.5	20 - 16	red	2.80	18.50	10.50	4.10	-	-	0.25	**C-SCFI 1,5/2,8X0,5**	**3240048**	100
	0.5 - 1.5	20 - 16	red	2.80	18.50	10.50	4.10	-	-	0.25	**C-SCFI 1,5/2,8X0,8**	**3240049**	100
	0.5 - 1.5	20 - 16	red	4.80	19.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/4,8X0,5**	**3240050**	100
	0.5 - 1.5	20 - 16	red	4.80	19.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/4,8X0,8**	**3240051**	100
	0.5 - 1.5	20 - 16	red	6.30	21.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/6,3X0,8**	**3240052**	100
	1.5 - 2.5	16 - 14	blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/4,8X0,5**	**3240053**	50
	1.5 - 2.5	16 - 14	blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/4,8X0,8**	**3240054**	50
	1.5 - 2.5	16 - 14	blue	6.30	22.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/6,3X0,8**	**3240055**	50
	4 - 6	12 - 10	yellow	6.30	25.00	14.00	6.60	-	-	0.40	**C-SCFI 6/6,3X0,8**	**3240056**	50
Flat plug, insulated as per UL													
	0.5 - 1.5	20 - 16	red	6.30	22.00	10.50	4.10	-	-	0.80	**C-SCMI 1,5/6,3X0,8**	**3240058**	100
	1.5 - 2.5	16 - 14	blue	6.30	22.50	11.00	4.50	-	-	0.80	**C-SCMI 2,5/6,3X0,8**	**3240059**	50
	4 - 6	12 - 10	yellow	6.30	24.50	14.00	6.60	-	-	0.80	**C-SCMI 6/6,3X0,8**	**3240060**	50

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

Technical data

General data

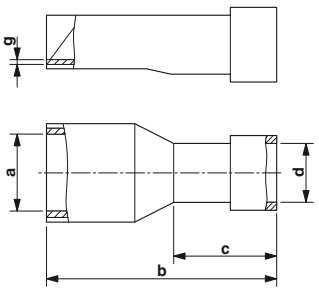
Material / coating		Brass / electrogalvanized
Temperature range	[°C]	-20 ... 105

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Slip-on distributor, insulated, for 6.3 x 0.8 mm plugs and sleeves													
	0.5 - 1.5	20 - 16	red	6.30	22.50	10.50	41.00	-	-	0.40	**C-SCFMI 1,5/6,3X0,8**	**3240529**	50
	1.5 - 2.5	16 - 14	blue	6.30	23.00	11.00	11.00	-	-	0.40	**C-SCFMI 2,5/6,3X0,8**	**3240530**	50

Slip-on sleeves, fully insulated

- Easy 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

Technical data

General data

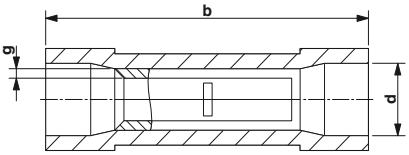
Material / coating		Brass / electrogalvanized
Temperature range	[°C]	-20 ... 105

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Slip-on sleeve, fully insulated, for plugs:													
2.8 x 0.5 mm	0.5 - 1.5	20 - 16	red	2.80	19.00	10.50	4.30	-	-	0.25	**C-SCFFI 1,5/2,8X0,5**	**3240534**	50
2.8 x 0.8 mm	0.5 - 1.5	20 - 16	red	2.80	19.00	10.50	4.30	-	-	0.25	**C-SCFFI 1,5/2,8X0,8**	**3240535**	50
4.8 x 0.5 mm	0.5 - 1.5	20 - 16	red	4.80	19.50	10.50	4.30	-	-	0.40	**C-SCFFI 1,5/4,8X0,5**	**3240536**	50
4.8 x 0.8 mm	0.5 - 1.5	20 - 16	red	4.80	19.50	10.50	4.30	-	-	0.40	**C-SCFFI 1,5/4,8X0,8**	**3240537**	50
6.3 x 0.8 mm	0.5 - 1.5	20 - 16	red	6.30	21.50	10.50	4.30	-	-	0.40	**C-SCFFI 1,5/6,3X0,8**	**3240538**	50
4.8 x 0.5 mm	1.5 - 2.5	16 - 14	blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFFI 2,5/4,8X0,5**	**3240539**	50
4.8 x 0.8 mm	1.5 - 2.5	16 - 14	blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFFI 2,5/4,8X0,8**	**3240540**	50
6.3 x 0.8 mm	1.5 - 2.5	16 - 14	blue	6.30	22.00	11.00	5.00	-	-	0.40	**C-SCFFI 2,5/6,3X0,8**	**3240547**	25
6.3 x 0.8 mm	4 - 6	12 - 10	yellow	6.30	26.00	14.00	6.60	-	-	0.40	**C-SCFFI 6/6,3X0,8**	**3240541**	25

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

Technical data

General data	
Material / coating	CU / electrogalvanized
Temperature range [°C]	-20 ... 105

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. / Pkt.
Butt connector, insulated													
	0.5 - 1.5	20 - 16	red	-	25.00	-	4.00	-	-	0.75	**C-JCI 1,5**	**3240061**	50
	1.5 - 2.5	16 - 14	blue	-	25.30	-	4.50	-	-	0.80	**C-JCI 2,5**	**3240062**	50
	4 - 6	12 - 10	yellow	-	27.50	-	6.00	-	-	1.00	**C-JCI 6**	**3240063**	25

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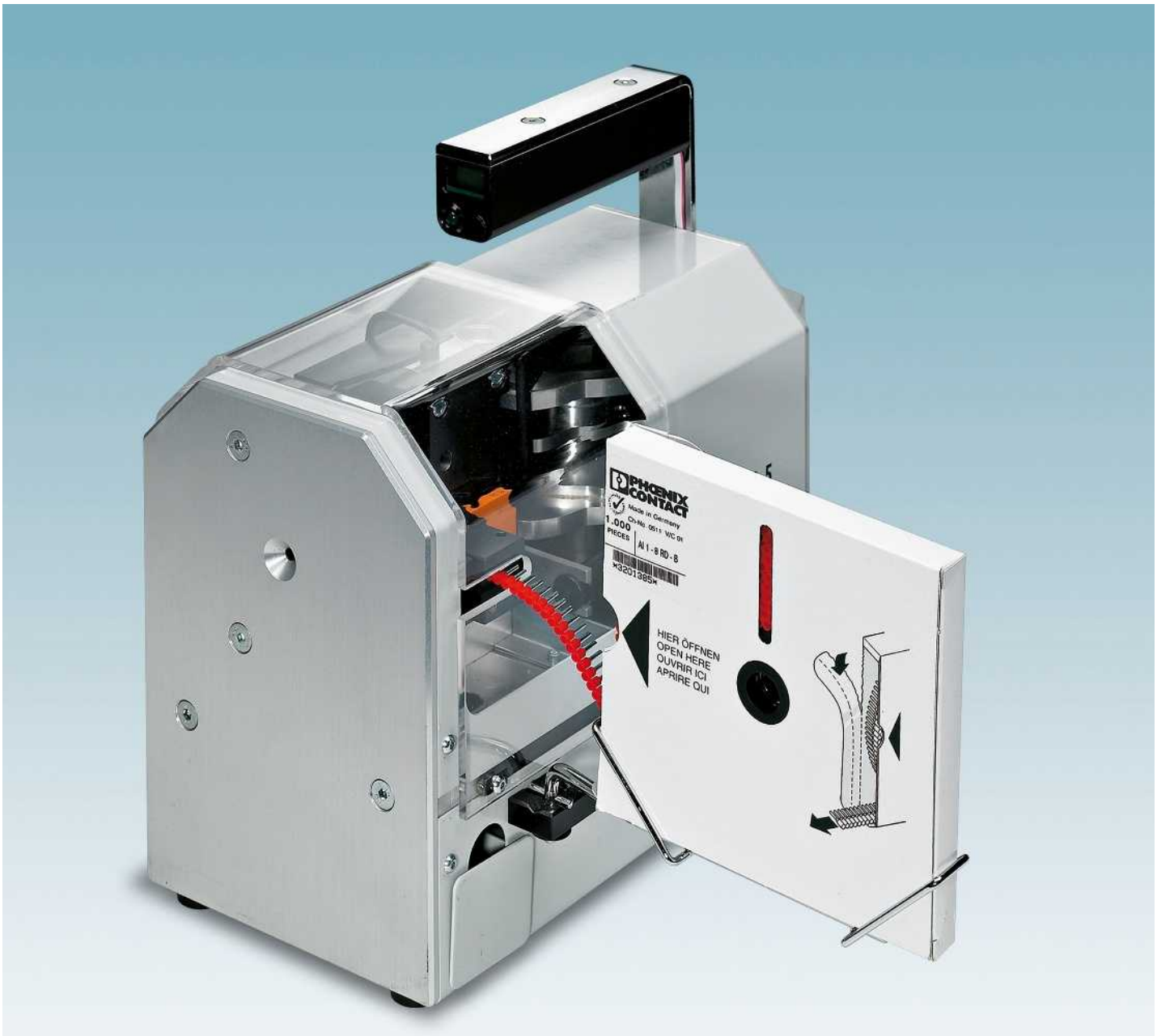
Automatic devices - TOOL fox

Phoenix Contact offers a comprehensive range of innovative machine 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

Automatic devices	**468**
Automatic cutting device for conductors and cables	**470**
Stripping machine	**471**
Pneumatic crimping pliers	**472**
Portable crimping machine for ferrules, cable lugs, and connectors	**474**
CRIMPHANDY portable hand-held machine	**476**
Portable stripping and crimping machine for taped products	**478**
Ferrules with plastic sleeve, taped	**479**
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.

ZAP crimping pliers are pneumatic pliers for ferrules with a cross section range of 0.25 to 10 mm². The crimping process is activated by a foot valve. Two integrated recesses allow easy access to the ferrules.

The CF 500 is characterized by its high pressing force and compact design.
Thanks to the adjustable pressing force and interchangeable dies, it is suitable for insulated cable lugs, tube lugs, and crimping wire lugs, as well as slip-on sleeves and ferrules with a cross section of 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 cutting device for conductors and cables

- The automatic cutting device can be used to cut conductors, cables, and similar profiles
- The desired length and number of cuts can be specified in a user-friendly way via the display
- To insert the conductors all you have to do is swing open the front enclosing guard
- The drive and guide rolls automatically adjust to each inserted diameter
- No adjustments are required thanks to the automatic "zero cut", which is performed when the start button is pressed

Notes:

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

Conductor cross sections from 0.25 to 10 mm²

Technical data

Dimensions		Width	Length	Height
	[mm]	**195**	**295**	**230**
General data				
Weight	[kg]	11		
Power consumption	[VA]	80		
Cutting efficiency				
Finely stranded	[mm²]	0.25 - 10		
Solid strand	[mm²]	0.25 - 2.5		
Max. throughput	[mm]	8		
Cross section setting		automatic		
Maximum number of cuts	[Pcs.]	999		
Length	[mm]	2 ... 99999		
Feed rate	[m/s]	0.5		
Unit of measurement		mm/inch		
Dialog language		German / English / French / Italian		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Automatic cutting device, 230 V/50 Hz version, for conductors and cables with a diameter of up to 8 mm, solid (up to 2.5 mm²) and stranded (up to 10 mm²)	**CUTFOX 10**	**1206829**	1
Automatic cutting device, 120 V/60 Hz version, for conductors and cables with a diameter of up to 8 mm, solid (up to 2.5 mm²) and stranded (up to 10 mm²)	**CUTFOX 10 120V**	**1206832**	1

Accessories

Cable unwinders, for CUTFOX 10, for accommodating and gently unwinding cable rings and coils, complete	**CUTFOX 10 C-UN**	**1208393**	1
Turntable, for CUTFOX 10 cable unwinders, for accommodating cable rings and cable coils	**CUTFOX 10 R-C**	**1208403**	1
Retaining bolts, for CUTFOX 10 rotary table, 4 pcs.	**CUTFOX 10 BAR**	**1208416**	1
Replacement drive belt, for CUTFOX 10, 2 pcs.	**CF-10 WHEEL SET**	**1207271**	1
Spare knife set, for CUTFOX 10	**CF-10 CUTTER KNIFE SET**	**1207284**	1

Stripping machine

- 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
- Pressure points on sensitive insulation are avoided
- The stripping dimensions are set individually via rotary buttons and shown visually on the large display

Notes:

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

Conductor cross sections from 0.08 to 6 mm²

Technical data

		Width	Length	Height
Dimensions				
	[mm]	**141**	**363**	**221**
General data				
Weight	[kg]	9.5		
Power consumption	[VA]	160		
Working cycle	[s]	0.3		
Compression		trapezoidal		
Stripping power				
Finely stranded	[mm²]	0.08 - 6		
Stripping length	[mm]	3-20		
Partial stripping length	[mm]	2-20		
Max. throughput	[mm]	6		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping machine, 230 V design, for conductors and cables, solid and stranded 0.08 - 6 mm² (max. Ø 6 mm), with integrated graphic display	**WF 1000**	**1212149**	1
Stripping machine, 120 V design, for conductors and cables, solid and stranded 0.08 - 6 mm² (max. Ø 6 mm), with integrated graphic display	**WF 1000 120V**	**1212258**	1

Accessories

Spare stripping knife, for WF 1000	**WF 1000/SB**	**1212279**	1

Pneumatic crimping pliers

– These crimping pliers are pneumatic tools for ferrules with a cross section range of 0.25 to 10 mm²
– The crimping pliers can process all types of Phoenix Contact ferrules, from uninsulated to insulated TWIN ferrules

Conductor cross sections from 0.25 to 2.5 mm²

Conductor cross sections from 0.25 to 4 mm²

Applied for:
GOST

		Technical data	Technical data
Application range			
Conductor	[mm²] / 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 crimp pliers, for ferrules as per DIN 46228	**ZAP 25**	**1203110**	1			
Pneumatic crimping pliers, for ferrules according to DIN 46228, three marked die stations, lateral entry				**ZAP 40**	**1212630**	1
Pneumatic crimp pliers, for ferrules as per DIN 46228						
Pneumatic crimp pliers, for ferrules as per DIN 46228						
Pneumatic crimp pliers, for ferrules as per DIN 46228						

Conductor cross sections from 4 to 10 mm²

Applied for:
GOST

Technical data	
4 - 10 / 12 - 8	
4 - 6	
0.2	
trapezoidal	

Ordering data		
Type	**Order No.**	Pcs. / Pkt.
ZAP 100	**1203259**	1

Conductor cross sections from 0.25 to 2.5 mm²

Applied for:
GOST

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

Conductor cross sections from 4 to 10 mm²

Applied for:
GOST

Technical data	
4 - 10 / 12 - 8	
4 - 6	
0.2	
trapezoidal	

Ordering data		
Type	**Order No.**	Pcs. / Pkt.
ZAP 100 T	**1203262**	1

Portable crimping machine for ferrules, cable lugs, and connectors

The CF 500 is characterized by a high press capacity in a compact design.

Easy to replace dies for processing ferrules, cable lugs, and contacts:

– Ferrules of up to 50 mm²
– TWIN ferrules up to 2 x 10 mm²
– Insulated cable lugs up to 6 mm²
– Uninsulated cable lugs up to 6 mm²
– Tube lugs of up to 10 mm²
– Slip-on sleeves and flat plugs of up to 6 mm²
– Turned contacts up to 10 mm²

Easy assembly of FBS ... plug-in bridges from the CLIPLINE complete system:

– FBS ...-4, FBS ...-5, FBS ...-6, FBS ...-8

Notes:
See data sheet for further technical data.
For more information about dies, visit: www.phoenixcontact.net/products.
An application video can be found in the download area for the relevant product on our website at www.phoenixcontact.net/products.

Connectors up to 50 mm²

Technical data

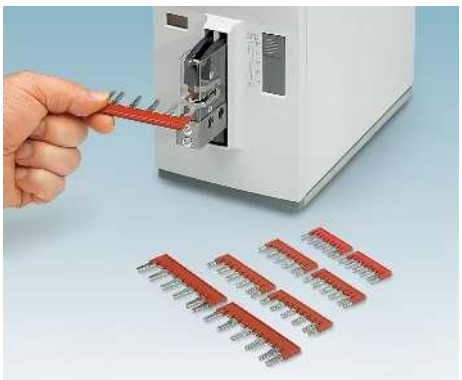
Dimensions		Width	Length	Height
	[mm]	**140**	**220**	**320**
General data				
Weight	[kg]	10		
Power supply	[V]	100 ... 240		
Power consumption	[VA]	160		
Pressure	[kN]	10		
Working cycle	[s]	1		

Ordering data

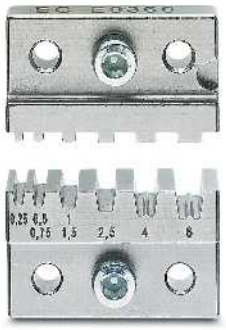
Description	Type	Order No.	Pcs. / Pkt.
Crimping machine, 230 V version, with quantity counter and foot switch 230 V version	**CF 500-230V**	**1208348**	1
Crimping machine, 120 V version, with quantity counter and foot switch 120 V version	**CF 500-120V**	**1208351**	1

Accessories

CF 500 protective cover, without recess (for all dies without assignment)	**CF 500/COV**	**1212250**	1
For ferrules of up to 6 mm² (AI 6...)	**CF 500/COV AI 6**	**1212254**	1
For TWIN ferrules (AI–TWIN...)	**CF 500/COV AI TWIN**	**1212266**	1
For insulated cable lugs (RCI..., TC4)	**CF 500/COV RCI**	**1212255**	1
For tube lugs 0.5 - 10 mm²	**CF 500/COV RC 10**	**1212252**	1
For tube lugs with a cross section of 0.34 - 2.5 mm² (SC...)	**CF 500/COV RCT 2,5**	**1212253**	1
For slip-on sleeves and flat plugs SC 1,5... and SC 6...	**CF 500/COV SC**	**1212251**	1
For FBS ... plug-in bridges	**CF 500/COV FBS**	**1212462**	1
CF 500 Locator, for slip-on sleeves (SCF...) Width: 2.8 mm, length: 5 mm	**CF 500/LOC SCF 2,8/1,5**	**1212249**	1
For slip-on sleeves (SCF...) Width: 4.8 mm	**CF 500/LOC SCF 4,8/2,5**	**1212248**	1
For slip-on sleeves (SCF...) Width: 6.3 mm	**CF 500/LOC SCF 6,3/6**	**1212247**	1
For slip-on sleeves (SCM...) 0.5 - 2.5 mm²	**CF 500/LOC SCM 6,3/2,5**	**1212264**	1



Dies for crimping machine



Description	Type	Order No.	Pcs. / Pkt.
		Ordering data	
CF 500 die, for ferrules (A... and AI...) 0.25 - 6 mm²			
	CF 500/DIE AI 6	**1212238**	1
For ferrules (A... and AI...) 10, 16, and 25 mm²	**CF 500/DIE AI 25**	**1212239**	1
For ferrules (A... and AI...) 35 and 50 mm²	**CF 500/DIE AI 50**	**1212261**	1
For TWIN ferrules (AI-TWIN...) 2 x 4, 2 x 6, and 2 x 10 mm²	**CF 500/DIE AI-TWIN 10**	**1212262**	1
CF 500 die, for ferrules (A... and AI...) 0.25 - 6 mm²			
For insulated cable lugs (RCI... and FCI...) 0.14 - 1.5 mm²	**CF 500/DIE RCI 1,5**	**1212263**	1
For insulated cable lugs (RCI... and FCI...) 0.5 - 6 mm²	**CF 500/DIE RCI 6**	**1212240**	1
For cable lugs (RC... and FC...) 0.5 - 10 mm²	**CF 500/DIE RC 10**	**1212244**	1
For cable lugs (RC... and FC...) 16 mm²	**CF 500/DIE RC 16**	**1212257**	1
CF 500 die, for ferrules (A... and AI...) 0.25 - 6 mm²			
For slip-on sleeves and flat plugs (SCF... and SCM...) 0.1 - 1.5 mm²	**CF 500/DIE SC 1,5**	**1212241**	1
For slip-on sleeves and flat plugs (SCF... and SCM...) 0.5 - 6 mm²	**CF 500/DIE SC 6**	**1212242**	1
CF 500 die, for ferrules (A... and AI...) 0.25 - 6 mm²			
For turned contacts with pin diameters 2.5 and 4.0 mm (CK 2,5…,CK 4,0) 0.14 - 4 mm²	**CF 500/DIE TC 4**	**1212237**	1
For turned contacts (CK 4.0) 6 - 10 mm²	**CF 500/DIE TC 10**	**1212260**	1
CF 500 die, for assembling FBS ... plug-in bridges			
For FBS ... plug-in bridges	**CF 500/DIE FBS**	**1212461**	1

CRIMPHANDY, portable hand-held machine, for a 1.0 mm² conductor cross section

The product innovation for switchgear manufacturing – the CRIMPHANDY. With this portable hand-held machine, you can strip and crimp your conductors in under two seconds – 75% less time than before.

– The matching reel ferrules are suitable for use on all modular terminal blocks, particularly those 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
– Detailed information regarding the advantages of the CRIMPHANDY can be found on page 388

Notes:

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

1.0 mm² conductor cross section

Technical data

Dimensions			
	Width	Length	Height
[mm]	42	200	67

General data	
Weight [kg]	0.43
Conductor [mm²] / AWG	1 - 1 / -
Working cycle [s]	2
Compression	Square crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Portable hand-held machine, battery-powered, for ferrules, 1.0 mm², incl. battery and charger, 100 - 240 V, in a robust aluminum case For standard PVC and PE conductors	**CF CRIMPHANDY 1,0**	**1212465**	1

Accessories

Reel ferrules, 1.0 mm², 8 mm, with plastic sleeve, according to DIN 46228-4, red, 50 pieces per strip	**AI 1,0-8 RD-S**	**1212523**	50
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.76 Ah	**CF CRIMPHANDY/ACCU**	**1212518**	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	**1212519**	1

N

CRIMPHANDY, portable hand-held machine, for a 1.5 mm² conductor cross section

The product innovation for switchgear manufacturing – the CRIMPHANDY. With this portable hand-held machine, you can strip and crimp your conductors in under two seconds – 75% less time than before.

– The matching reel ferrules are suitable for use on all modular terminal blocks, particularly those 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 www.phoenixcontact.net/products.

1.5 mm² conductor cross section

Technical data

Dimensions		Width	Length	Height
	[mm]	**42**	**200**	**67**
General data				
Weight	[kg]	0.43		
Conductor	[mm²] / AWG	1.5 - 1.5 / -		
Working cycle	[s]	2		
Compression		Square crimp		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Portable hand-held machine, battery-powered, for ferrules, 1.5 mm², incl. battery and charger, 100 - 240 V, in a robust aluminum case For standard PVC and PE conductors	**CF CRIMPHANDY 1,5**	**1212466**	1

Accessories

Reel ferrules, 1.5 mm², 8 mm, with plastic sleeve, according to DIN 46228-4, red, 50 pieces per strip	**AI 1,5-8 BK-S**	**1212524**	50
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.76 Ah	**CF CRIMPHANDY/ACCU**	**1212518**	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	**1212519**	1

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 1200 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
- 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 www.phoenixcontact.net/products.

Conductor cross sections from 0.25 to 2.5 mm²

Technical data

Dimensions		Width	Length	Height
	[mm]	**165**	**320**	**300**
General data				
Weight	[kg]	12		
Application range				
Conductor	[mm²] / AWG	0.25 - 2.5 / 24 - 14		
Power consumption	[VA]	80		
Working cycle	[s]	1.2		
Compression		trapezoidal		

Ordering data

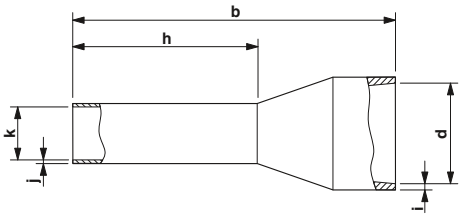
Description	Type	Order No.	Pcs. / Pkt.
Stripping and crimping machine, 230 V design, for insulated taped ferrules 0.25 – 2.5 mm², stripping length 8 mm, incl. the conversion kits 0.5 – 2.5 mm²	**CF 3000-2,5**	**1205477**	1
Stripping and crimping machine, 120 V design, for insulated taped ferrules 0.25 – 2.5 mm², stripping length 8 mm, incl. the conversion kits 0.5 – 2.5 mm²	**CF 3000-2,5 120V**	**1205516**	1

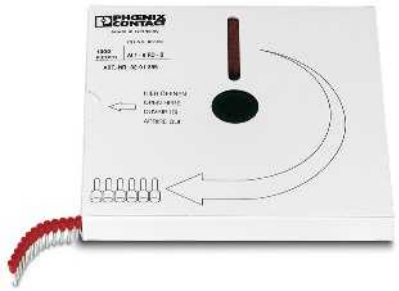
Accessories

Expansion set, complete, for CF 3000, for taped insulated ferrules, 0.25/0.34 mm², stripping length 8 mm	**CF 3000-TOOLKIT 0,25**	**1212376**	1
Spare locator,			
0.25 mm²	**CF 3000 LOC 0,25**	**1212377**	1
0.5 mm²	**CF 3000 LOC 0,5**	**1205639**	1
0.75 mm²	**CF 3000 LOC 0,75**	**1205642**	1
1.0 mm²	**CF 3000 LOC 1,0**	**1205655**	1
1.5 mm²	**CF 3000 LOC 1,5**	**1205668**	1
2.5 mm²	**CF 3000 LOC 2,5**	**1205671**	1
Spare knife, 0.25 mm², adjustable			
0.25 mm², adjustable	**CF 3000 AB 0,25**	**1212380**	1
0.5 mm²	**CF 3000 AM 0,5**	**1205587**	1
0.75 mm²	**CF 3000 AM 0,75**	**1205590**	1
1.0 mm²	**CF 3000 AM 1,0**	**1205600**	1
1.5 mm²	**CF 3000 AM 1,5**	**1205613**	1
2.5 mm²	**CF 3000 AM 2,5**	**1205626**	1

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 modular terminal blocks, especially those of the CLIPLINE complete system





Conductor cross sections from 0.25 to 8 mm²

Technical data

General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene
Long/short-term temperature	105°C / 120°C

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. / Pkt.
Taped ferrule, with plastic sleeve, color range as per **DIN 46228-4: 1990-09,** CSA-certified													
	0.25	22	yellow	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,25-8 YE-B**	**3240251**	1000
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH-B**	**3201369**	1000
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY-B**	**3201372**	1000
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD-B**	**3201385**	1000
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK-B**	**3201398**	1000
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU-B**	**3201408**	500
Taped ferrules, with plastic sleeve, color code as per NF C 63-023: 1994-02, CSA-certified													
	0.75	18	blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU-B**	**3201547**	1000
	2.5	14	gray	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 GY-B**	**3201550**	500
Taped ferrules, with plastic sleeve, special colors, CSA-certified													
	0.25	22	blue	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,25-8 BU-B**	**3240250**	1000
	0.34	22	turquoise	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,34-8 TQ-B**	**3240249**	1000
	0.5	20	orange	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 OG-B**	**3201563**	1000
	0.75	18	white	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 WH-B**	**3201576**	1000
	1	18	yellow	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 YE-B**	**3201589**	1000
	1.5	16	red	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 RD-B**	**3201592**	1000

Stripping and crimping machine for bulk goods

Conductor cross sections from 0.34 to 4 mm²

- The stripping and crimping machine can be used to process loose ferrules with insulating collars in accordance with DIN 46228−4
- Up to 1200 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
- The extraction forces conform to the requirements of IEC/EN 60999 and IEC/EN 60947

Other key features of the automatic device are as follows:

- Robust design
- Quick change of cross section without the need for additional adjustments
- Quantity counter
- Suitable for bulk processing

Technical data

Dimensions			
	[mm]	Width	Length	Height
		240	**490**	**390**
General data			
Weight	[kg]	29		
Power supply	[V]	100 ... 240		
Air consumption per compression	[l]	1.2		
Working cycle	[s]	1.5		
Compression		trapezoidal		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping and crimping machine, 100 - 230 V version, electro-pneumatic, for loose ferrules with insulating collar, 0.34 – 4 mm², incl. conversion kits 0.5 – 1.5 mm² (stripping length 8 mm)	**CF 1000-1,5**	**1208199**	1

Accessories

Extension kit, complete, for CF 1000, for loose ferrules with insulating collar			
0.25/0.34 mm², stripping length: 6 mm	**CF 1000-TOOLKIT 0,34/ 6**	**1208212**	1
0.25/0.34 mm², stripping length 8 mm	**CF 1000-TOOLKIT 0,34/ 8**	**1208225**	1
2.5 mm², stripping length 8 mm	**CF 1000-TOOLKIT 2,5/ 8**	**1208241**	1
4 mm², stripping length 10 mm	**CF 1000-TOOLKIT 4,0/10**	**1208270**	1
Spare knife, V-form, for CF 1000	**CF 1000 EM**	**1205215**	1
Protective cover, for CF 1000	**CF 1000-COVER**	**1208306**	1

Stripping and crimping machine for bulk goods

– The stripping and crimping machine can be used to process loose ferrules with insulating collars in accordance with DIN 46228–4
– Up to 1200 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
– The extraction forces conform to the requirements of IEC/EN 60999 and IEC/EN 60947

Other key features of the automatic device are as follows:

– Robust design
– Quick change of cross section without the need for additional adjustments
– Quantity counter
– Suitable for bulk processing

Conductor cross section of 4 / 6 / 10 mm²

Technical data

Dimensions		Width	Length	Height
	[mm]	**240**	**490**	**390**
General data				
Weight	[kg]	29		
Power supply	[V]	100 ... 240		
Air consumption per compression	[l]	1.2		
Working cycle	[s]	1.5		
Compression		trapezoidal		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping and crimping machine, 100 - 230 V version, electro-pneumatic, for loose ferrules with insulating collar, 4 mm², 6 mm², and 10 mm², without conversion kit	**CF 1000-10**	**1212456**	1

Accessories

Conversion kit, complete, for CF 1000-10, for loose ferrules with insulating collar			
4 mm², stripping length: 10 - 12 mm	**CF 1000-10-TOOLKIT 4/10-12**	**1212458**	1
6 mm², 12 mm stripping length	**CF 1000-10-TOOLKIT 6/12**	**1212459**	1
10 mm², 12 mm stripping length	**CF 1000-10-TOOLKIT 10/12**	**1212460**	1
Spare knife, V-form, for CF 1000	**CF 1000 EM**	**1205215**	1
Protective cover, for CF 1000	**CF 1000-COVER**	**1208306**	1

Installation and mounting material - CABINET add-on

The installation of switchgear and control cabinets need not be time-consuming and occupy a large amount of space if suitable mounting devices are used and the right tool is selected. We offer a comprehensive range of products for this.

The CABINET add-on range includes mounting material and mounting devices for all aspects of control cabinet installation. 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 spans from the innovative CES space- and cost-saving cable entry system, across the extensive range of cable protection systems and cable ducts, right up to cable binders for every application.

Product range overview

Installation and mounting material 484

Component mounting

NS 15, NS 35, and NS 32 DIN rails **486**
End brackets for DIN rails **498**
Marking for terminal strips **500**
Brackets for mounting on DIN rails **502**
Adapter and support **503**

Busbars

Neutral busbar **508**
Power and branch terminal blocks **509**
Connection terminal blocks for busbars **510**

Connection terminal blocks and sockets

Europe connectors **512**
Junction box connectors **516**
Sockets **518**

Shielding **520**

Shield connection clamps **522**
Supports **524**

Cable management

CES cable entry system **532**

Cable routing **542**

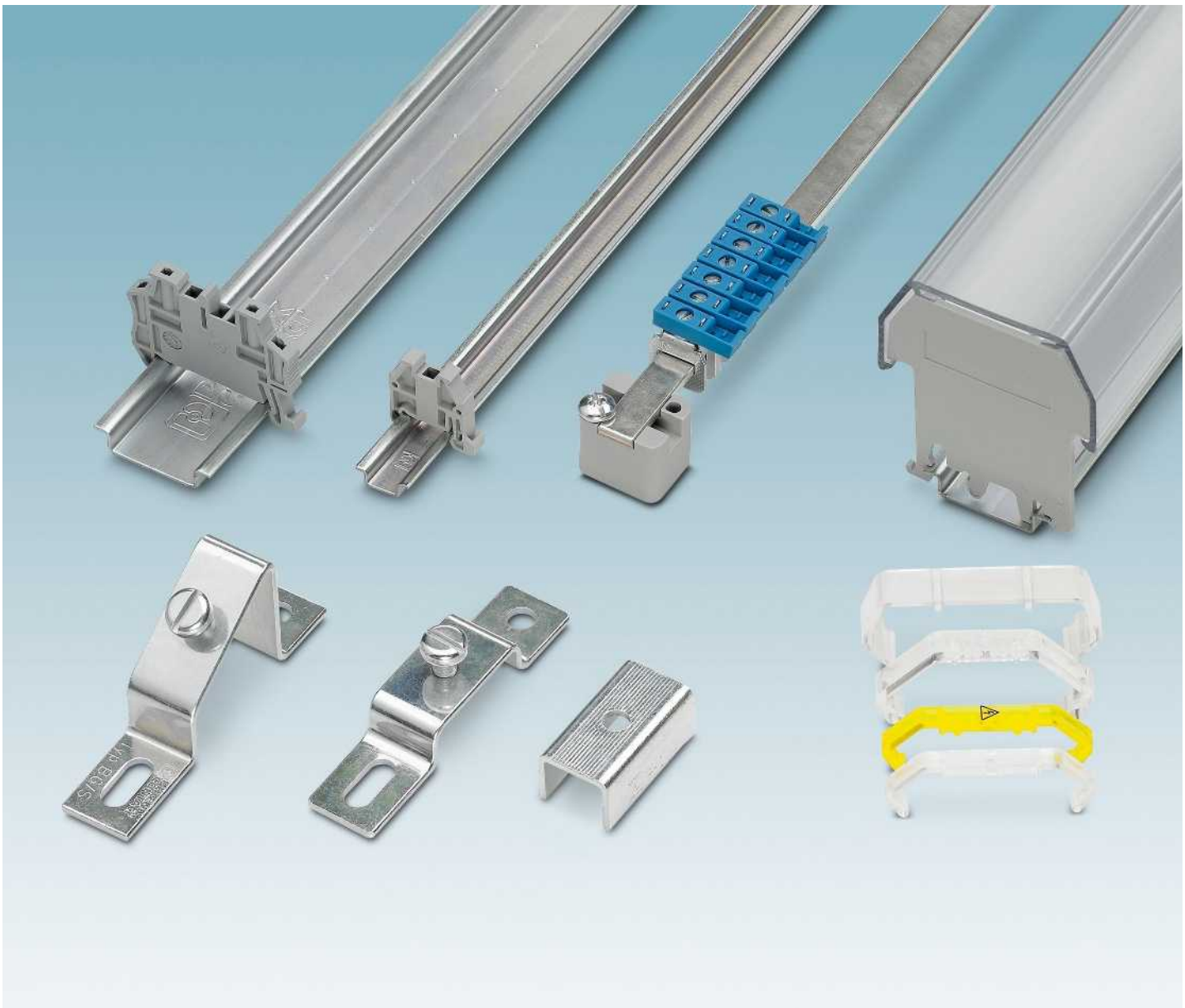
Cable ducts **543**
Scissors and cutters **546**
Cable clamps for DIN rail **547**

Cable protection

Protective hoses and screw connections **548**
Accessories **566**

Cable bundling

Cable binders **572**



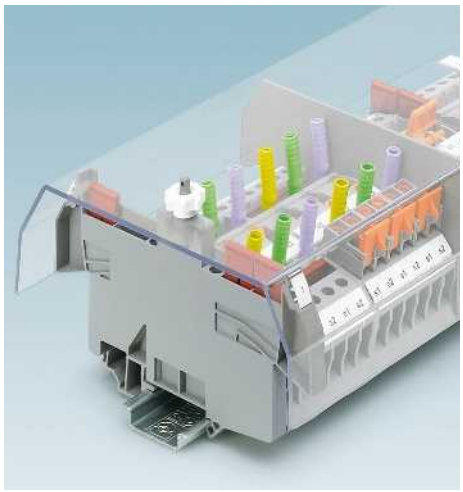
You can save time when securing electrical connections and components in switchgear by using suitable mounting devices. By combining the mounting accessories appropriately, you can make optimum use of the space inside the control cabinet. DIN rails form the basis for the "insides" of the control cabinet. They ensure that the DIN rail-mountable components are held securely. Phoenix Contact offers a wide range of standardized rails made from various materials. On request, they can be supplied cut to length and with pre-drilled holes. The range is rounded off by cable clamps and corresponding rails.

End brackets are used for a secure lateral hold on the components, especially in the event of jolts and vibrations in the systems. Depending on the application, they must either be fastened using screws or can simply be snapped onto the DIN rails as in the case of the CLIPFIX series. Marker carriers can be snapped onto the end brackets for greater clarity and to create a visual distinction between individual terminal strip blocks.

There is a wide range of cover profiles to ensure the necessary level of safety.
The wide choice of cable ducts provides users with flexible and straightforward cable installation solutions that simply involve breaking out the lateral segments without the need for tools.
The assembly material is rounded off by installation materials that include pick-off terminal blocks, Europe connectors, and junction box connectors.

For control cabinet engineering applications, the key features of the NS 15 and NS 35 DIN rails are their high degree of dimensional accuracy and double surface tempering. They are galvanized and feature thick layer passivation, which makes them RoHS compliant.

Used in conjunction with the NS 15 and NS 35 DIN rails, the end brackets ensure that the components remain securely attached to the rails. A comprehensive range of end brackets is available for specific applications.



Cover profiles are used to cover live parts and also provide protection against accidental actuation of terminal points or disconnect terminal blocks.

Phoenix Contact offers various connection terminal blocks, branch terminal blocks, and power terminal blocks for busbars in switchgear and control gear.

The wide range of Europe terminal blocks includes terminal blocks with and without wire protection. The individual positions can be separated easily by twisting without the need for tools. The push-in connection technology of the junction box connector series means that solid conductors or conductors with ferrules can be inserted into the terminal point with ease. Low insertion forces and high pull-out forces ensure a secure connection.

The rail-mountable socket in a standard format is as much a must in modern switchgear as in simple distributors. The socket is mounted in an exposed position to allow assembly tools, service devices, and other electrical equipment to be installed conveniently.

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 497.
For PPS ... DIN rail profile cutters, see page 372.
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

Technical data

General data	
Material / coating	Steel / galvanized, thick layer passivated

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated, in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, supply length: 2 m	silver	**NS 15 UNPERF 2000MM**	**1401695**	5
DIN rail, unperforated in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length according to customer specifications1)	silver	**NS 15 UNPERF/...**	**1208089**	1
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 holes2)	silver	**NS 15 UNPERF/SO/...**	**1208092**	1
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 specifications1)	silver			
DIN rail, perforated, dimensions according to EN 60715 - 15 x 5.5 mm, white passivated, flat 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			

Perforated, zinc plated, and thick layer passivated

N

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

NS 15 DIN rails, 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 497.

For PPS ... DIN rail profile cutters, see page 372.

[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

Technical data

General data	
Material / coating	Steel / galvanized, thick layer passivated

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated, in acc. with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, flat design, supply length: 2 m	silver	**NS 35/ 7,5 UNPERF 2000MM**	**0801681**	5
DIN rail, unperforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, flat design, cut to length according to customer specifications[1])	silver	**NS 35/ 7,5 UNPERF/...**	**1208115**	1
DIN rail, unperforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, flat design, cut to length according to customer specifications and provided with mounting holes[2])	silver	**NS 35/ 7,5 UNPERF/SO/...**	**1208128**	1
DIN rail, unperforated, dimensions according to EN 60715 - 35 x 7.5 mm, white passivated, flat design, supply length: 2 m	white			
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, galvanized, flat design, supply length: 2 m	silver			
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, flat design, supply length: 2 m, **Material: copper**	copper-colored			

Accessories

DIN rail end piece for DIN rail NS35/7,5	**NS 35/ 7,5 CAP**	**1206560**	100

Unperforated, white passivated

N

Unperforated, zinc plated

Unperforated, copper

Technical data

Steel / galvanized, white passivated

Ordering data

Type	Order No.	Pcs. / Pkt.
NS 35/ 7,5 WH UNPERF 2000MM	1204122	5

Accessories

NS 35/ 7,5 CAP	1206560	100

Technical data

Steel / galvanized

Ordering data

Type	Order No.	Pcs. / Pkt.
NS 35/ 7,5 ZN UNPERF 2000MM	1206434	5

Accessories

NS 35/ 7,5 CAP	1206560	100

Technical data

Copper / uncoated

Ordering data

Type	Order No.	Pcs. / Pkt.
NS 35/ 7,5 CU UNPERF 2000MM	0801762	5

Accessories

NS 35/ 7,5 CAP	1206560	100

NS 35 DIN rails, flat design

Notes:
For dimensional drawings and ordering examples, see page 497.
For PPS ... DIN rail profile cutters, see page 372.

Unperforated, aluminum

Unperforated, stainless steel

	Technical data	Technical data
General data		
Material / coating	Aluminum / uncoated	Stainless steel V2A / uncoated

	Ordering data			Ordering data		
Description Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, flat design, supply length: 2 m, **Material: aluminum** silver	**NS 35/ 7,5 AL UNPERF 2000MM**	**0801704**	5			
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, flat design, supply length: 2 m, **Material: stainless steel V2A** silver				**NS 35/ 7,5 V2A UNPERF 2000MM**	**0801377**	5

	Accessories			Accessories		
DIN rail end piece for DIN rail NS35/7,5	**NS 35/ 7,5 CAP**	**1206560**	100	**NS 35/ 7,5 CAP**	**1206560**	100

NS 35 DIN rails, flat design, perforated

Notes:
For PPS ... DIN rail profile cutters, see page 372
[1]) Please specify the desired length in millimeters when placing your order. See order example.

Perforated, zinc plated, and thick layer passivated

Perforated, zinc plated

		Technical data			Technical data		
General data							
Material / coating		Steel / galvanized, thick layer passivated			Steel / galvanized		
		Ordering data			**Ordering data**		
Description	Color	**Type**	**Order No.**	Pcs. / Pkt.	**Type**	**Order No.**	Pcs. / Pkt.
DIN rail, perforated, in acc. with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, flat design, supply length: 2 m	silver	**NS 35/ 7,5 PERF 2000MM**	**0801733**	5			
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, flat design, for cabinet width / depth of 0.8 m							
Length: 755 mm	silver	**NS 35/ 7,5 PERF 755MM**	**1207640**	10			
For cabinet width / depth of 1.2 m, supply length: 1155 mm	silver	**NS 35/ 7,5 PERF 1155MM**	**1207666**	10			
DIN rail, perforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, flat design, cut to length according to customer specifications[1])	silver	**NS 35/ 7,5 PERF/...**	**1208131**	1			
DIN rail, perforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, galvanized, flat design, supply length: 2 m	silver				**NS 35/ 7,5 ZN PERF 2000MM**	**1206421**	5
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, flat design, for cabinet width / depth of 0.8 m							
Length: 755 mm	silver	**NS 35/ 7,5 PERF 755MM**	**1207640**	10			
		Accessories			**Accessories**		
DIN rail end piece for DIN rail NS35/7,5		**NS 35/ 7,5 CAP**	**1206560**	100	**NS 35/ 7,5 CAP**	**1206560**	100

NS 35 DIN rails, tall design

Notes:
For dimensional drawings and ordering examples, see page 497.
For PPS ... DIN rail profile cutters, see page 372.
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

	Technical data	Technical data
General data		
Material / coating	Steel / galvanized, thick layer passivated	Steel / galvanized, white passivated

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated, in acc. with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 2 m	silver	**NS 35/15 UNPERF 2000MM**	**1201714**	5			
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, cut to length according to customer specifications1)	silver	**NS 35/15 UNPERF/...**	**1208144**	1			
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 holes2)	silver	**NS 35/15 UNPERF/SO/...**	**1208157**	1			
DIN rail, unperforated, similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, white passivated, tall design, supply length: 2 m	white				**NS 35/15 WH UNPERF 2000MM**	**1204135**	5
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						

	Accessories	Accessories
for DIN rail NS35/15	**NS 35/15 CAP** **1206573** 100	**NS 35/15 CAP** **1206573** 100

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

Technical data

Copper / uncoated

Ordering data

Type	Order No.	Pcs. / Pkt.
NS 35/15 CU UNPERF 2000MM	1201895	5

Accessories

NS 35/15 CAP	1206573	100

Technical data

Steel / galvanized, thick layer passivated

Ordering data

Type	Order No.	Pcs. / Pkt.
NS 35/15-2,3 UNPERF 2000MM	1201798	5

Accessories

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 497.
For PPS ... DIN rail profile cutters, see page 372.
1) Please specify the desired length in millimeters when placing your order. See order example.

Perforated, zinc plated, and thick layer passivated

Technical data

General data	
Material / coating	Steel / galvanized, thick layer passivated

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
DIN rail, perforated, in acc. with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 2 m	silver	**NS 35/15 PERF 2000MM**	**1201730**	5
DIN rail, perforated, in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, for cabinet width / depth of 0.8 m				
Length: 755 mm	silver	**NS 35/15 PERF 755MM**	**1207679**	10
For cabinet width / depth of 1.0 m, supply length: 955 mm	silver	**NS 35/15 PERF 955MM**	**1207682**	10
For cabinet width / depth of 1.2 m, supply length: 1155 mm	silver	**NS 35/15 PERF 1155MM**	**1207695**	10
DIN rail, perforated 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	**NS 35/15 PERF/...**	**1208160**	1
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			

Perforated, white passivated

Unperforated, 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

NS 32 DIN rails

Notes:

For PPS ... DIN rail profile cutters, see page 372.

Unperforated, galvanized, and thick layer passivated

Technical data

General data	
Material / coating	Steel / galvanized, thick layer passivated

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated, in accordance with EN 60715 - G32, supply length: 2 m, galvanized and thick layer passivated	silver	**NS 32 UNPERF 2000MM**	**1201015**	5
DIN rail, perforated, in accordance with EN 60715 - G32, galvanized and thick layer passivated, supply length: 2 m	silver	**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 497.

NS 35, 15 mm high DIN rail with slide nut guide

Technical data

Dimensions	Width	Length	Height
[mm]	**35**	**2000**	**15**
General data			
Material	Aluminum		

Ordering data

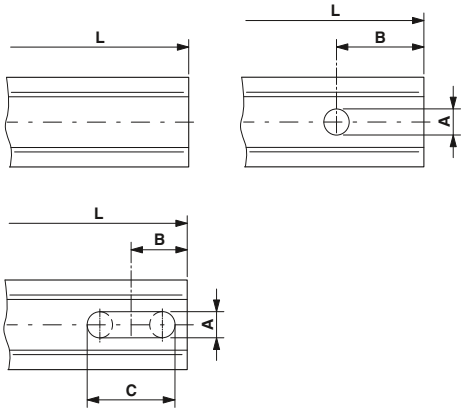
Description	Color	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, supply length: 2 m	silver	**NS 35/15 AL UNPERF 2000MM**	**1201756**	5
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, cut to length according to customer specifications	silver	**NS 35/15 AL UNPERF/...**	**1210213**	1
Slide nut, for DIN rail NS 35/15-AL, for fixing devices, **material: steel**				
M4	silver	**GLM 4**	**1201769**	100
M5	silver	**GLM 5**	**1201772**	100
M6	silver	**GLM 6**	**1201785**	100

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 ø end holes at both ends (as 20 mm elongated holes, the hole center of which is 50 mm from the end of the rail) with a length of 550 mm, the following information must be given:

Pcs.	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/...:

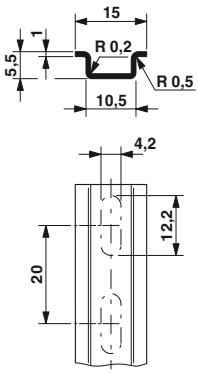
(minimum order quantity 20 units)

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:

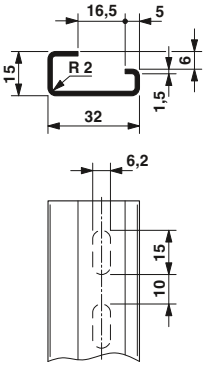
Pcs.	Order No.	Length in mm
20	1208115	1750

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

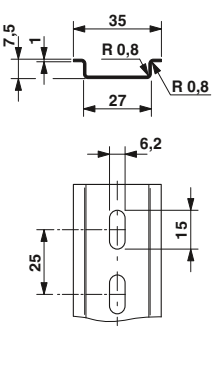
Dimensional drawings for DIN rails



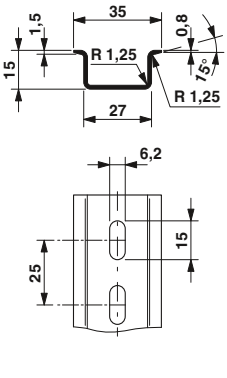
NS 15



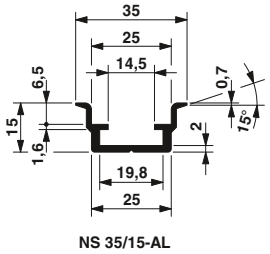
NS 32



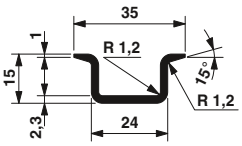
NS 35/7,5



NS 35/15



NS 35/15-AL



NS 35/15-2,3

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 plugs
- Large area for labeling

End bracket for NS 15 DIN rail

End bracket for NS 35 DIN rail

	Technical data		
Dimensions	Width	Length	Height
[mm]	**5.2**	**22**	**22.6**
General data			
Material	PA		
Inflammability class according to UL 94	V2		

	Technical data		
Width	Length	Height	
5.15	**48.5**	**35**	
PA			
V2			

Description	Color	Type	Order No.	Pcs. / Pkt.
End bracket, for snapping onto NS 15, 5.2 mm wide, labeling with ZB 5 and ZBF 5, KLM, parking facilities for bridges and test accessories	gray	**CLIPFIX 15**	**3022263**	50
End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs	gray	**CLIPFIX 35-5**	**3022276**	50
End bracket, for snapping onto NS 35, 9.5 mm wide, can be labeled	gray	**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
- Tall and flat designs
- Large area for labeling

For NS 35 and NS 32 DIN rails

For multi-level terminal blocks on NS 35 and NS 32 DIN rails

	Technical data		
Dimensions	Width	Length	Height
[mm]	**9.5**	**50.5**	**35.3**
General data			
Material	PA		
Tightening torque [Nm]	0.4 - 0.5		
Inflammability class according to UL 94	V2		

	Technical data		
Width	Length	Height	
10	**55.5**	**50**	
PA			
0.4 - 0.5			
V2			

Description	Color	Type	Order No.	Pcs. / Pkt.
End bracket, to screw on, for NS 35 and NS 32, can be labeled with ZB 6, KLM, KLM-A, and UBE	gray	**E/UK**	**1201442**	50
Universal end bracket, to screw on, for NS 35 and NS 32, for supporting the ends of double-level and three-level terminal blocks, can be labeled with ZB 10	gray	**E/UK 1**	**1201413**	50

Screw-on end bracket, for NS 15 DIN rail

The E/MBK end bracket has been specially designed for the MBK miniature IEC terminal blocks.

- Can be screwed onto NS 15 DIN rails
- Can be mounted directly on the mounting plate as an MBK terminal block base
- Large area for labeling

For miniature IEC terminal blocks on NS 15 DIN rail

For NS 15 DIN rail

Technical data			
Dimensions	Width	Length	Height
[mm]	**6.1**	**22**	**11.4**
General data			
Material	PA		
Tightening torque [Nm]	0.4 - 0.5		
Inflammability class according to UL 94	V2		

Technical data			
Width	Length	Height	
6.1	**21.2**	**18**	
PA			
0.4 - 0.5			
V2			

Ordering data			
Description / Color	Type	Order No.	Pcs. / Pkt.
End bracket, for snapping onto NS 15, for slide-on miniature terminal blocks, can be fastened with a screw, can be labeled with KLM 1 — gray	**E/MBK**	**1401637**	100
End bracket, for screwing onto NS 15, 6.1 mm wide, can be fastened with a screw, can be labeled with KLM 1 — gray	**E/MK 1**	**1421659**	100

Screw-on end bracket, for NS 35 DIN rail

- The E/AL-NS 35 provides optimum support for large terminal blocks and devices
- Large area for labeling

For NS 35 DIN rail

For terminal blocks from 50 mm² on NS 35 DIN rails

Technical data			
Dimensions	Width	Length	Height
[mm]	**9.5**	**48.6**	**32.8**
General data			
Material	PA		
Tightening torque [Nm]	0.4 - 0.5		
Inflammability class according to UL 94	V2		

Technical data			
Width	Length	Height	
10	**59**	**44**	
Aluminum			
0.4 - 0.5			
-			

Ordering data			
Description / Color	Type	Order No.	Pcs. / Pkt.
End bracket, for screwing onto NS 35, can be equipped with terminal strip marker KLM-A or ZB 8 — gray	**E/NS 35 N**	**0800886**	50
Aluminum end bracket, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be labeled with ZB 10, for mounting on NS 35... — silver	**E/AL-NS 35**	**1201662**	10

Marking for terminal strips

- The KLM has been specially developed for the CLIPFIX end brackets
- The precise engagement mechanism allows infinite adjustment of the labeling 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 labeled with snap-on label

For CLIPFIX end brackets, can be labeled with label

		Technical data			Technical data		
Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**12.5**	**22**	**42**	**10**	**22**	**27**
General data							
Material		PA			PA		
Inflammability class according to UL 94		V2			V2		
Temperature range	[°C]	-40 ... 100			-40 ... 100		
Components		Halogen-free			Halogen-free		

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Terminal strip marker, adjustable height, for CLIPFIX ... end bracket, can be labeled with SS-ZB Lettering field size: 20 x 8 mm	gray	**KLM 2**	**0807575**	100			
Terminal strip marker, adjustable height, for CLIPFIX ... end bracket, can be labeled with EML (20x8) label or with B-STIFT or X-PEN	gray				**KLM 3**	**0811969**	100
Can be cut to length	gray				**KLM 3-L**	**0814788**	100

Marking for terminal strips

For E/MK and E/MBK end brackets

For E/UK and CLIPFIX 35 end brackets

		Technical data	Technical data
General data			
Material		ABS	ABS
Inflammability class according to UL 94		HB	HB
Temperature range	[°C]	-40 ... 80	-40 ... 80
Components		free from silicone and halogen	free from silicone and halogen

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Terminal strip markers, for E/MK, E/MK 1, and E/MBK end bracket, lettering field: 24 x 4 mm	transparent	**KLM 1**	**1004319**	100			
Terminal strip markers, for E/UK or CLIPFIX 35 end brackets, lettering field: 25 x 6 mm	transparent				**KLM**	**1004306**	100

		Accessories			Accessories		
Insert strips for thermal transfer printers, 5000 labels p. roll							
Lettering field size: 24 x 4 mm, 5000 labels per roll	white	**EMT (24X4)R**	**0816265**	1			
Lettering field size: 25 x 6 mm, 5000 labels per roll	white				**EMT (25X6)R**	**0817264**	1

Marking for terminal strips

Notes:

[1]) Please specify the required marking with order.

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

For end bracket and DIN rail mounting

	Technical data	Technical data
General data		
Material	ABS	PA
Inflammability class according to UL 94	HB	V2
Temperature range [°C]	-40 ... 80	-40 ... 100
Components	free from silicone and halogen	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal strip markers, for strip marking, adjustable height, for use with E/UK, E/NS 35 N or CLIPFIX 35 end brackets, lettering field: 44 x 7 mm	transparent	**KLM-A**	**1004348**	100
Terminal strip marker carriers, for marking terminal groups, for E/UK end bracket, lettering field: 40 x 17 mm Hood material: PE	gray	**UBE**	**0800310**	10
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	gray	**UBE/D**	**0800307**	10

Accessories

Insert strip for thermal transfer printer, for UBE/D or UBE terminal strip marker Lettering field size: 40 x 17 mm, 2300 labels p. roll	white	**EMT (40X17)R**	**0817293**	1
Insert strip for laser printer, perforated, for KLM-A terminal strip marker Lettering field size: 44 x 7 mm	white	**ESL 44X 7**	**0808244**	10
Lettering field size: 40 x 17 mm, 1 sheet = 56 labels	white	**ESL 40X17**	**0808095**	10
Special printing insert strips, marking according to customer requirements[1]) Lettering field size: 44 x 7 mm	white	**ESL 44X 7 CUS**	**0824404**	1
Lettering field size: 40 x 17 mm, 1 sheet = 56 labels	white	**ESL 40X17 CUS**	**0824403**	1

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

	Technical data		
Dimensions	Width	Length	Height
[mm]	**19.7**	**87**	**35.4**
General data			
Material	Steel		

	Technical data		
	Width	Length	Height
	20	**84**	**46**
	Steel		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Angled bracket, for fixing DIN rails at an angle of 30°, with M6 screw, galvanized and thick layer passivated	silver	**BG/S**	**1201086**	10
Angled brackets, with DIN rail limit stop, for fixing DIN rails at an angle of 30°, with M6 screw, galvanized and thick layer passivated	silver	**BG/SA**	**1201604**	10

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

	Technical data		
Dimensions	Width	Length	Height
[mm]	**20**	**84**	**12**
General data			
Material	Steel		

	Technical data		
	Width	Length	Height
	20	**37**	**15**
	Steel		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Flat bracket, for fixing DIN rails 12 mm above the base, with M6 screw, galvanized and thick layer passivated	silver	**BG/F**	**1201060**	10
Flat bracket, is screwed with DIN rails 15 mm above the base, fixing hole: 6.5 mm Ø, galvanized and thick layer passivated	silver			

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

Technical data			
Dimensions	Width	Length	Height
[mm]	**10**	**42.6**	**19**
General data			
Material	PA		
Inflammability class according to UL 94	V2		

Ordering data				
Description	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 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, insulated

Protective caps for DIN rails

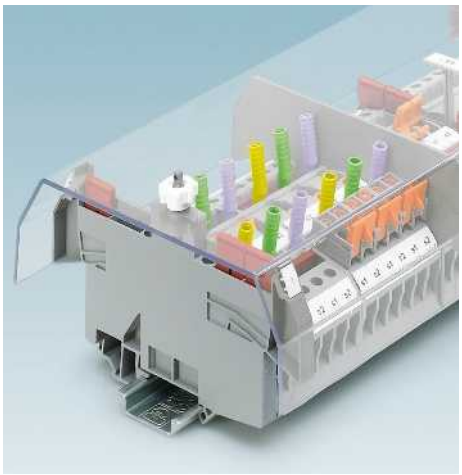
Technical data			
Dimensions	Width	Length	Height
[mm]	**38**	**35**	**21**
General data			
Material	PA		
Inflammability class according to UL 94	V2		

Ordering data				
Description	Color	**Type**	**Order No.**	Pcs. / Pkt.
Support, 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			

Technical data			
Width	Length	Height	
7	**37.5**	**9**	
PP			
HB			

Ordering data			
Type	**Order No.**	Pcs. / Pkt.	
NS 35/ 7,5 CAP	**1206560**	100	
NS 35/15 CAP	**1206573**	100	

Cover profiles



Cover profile and hood, sealable

- 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

Technical data

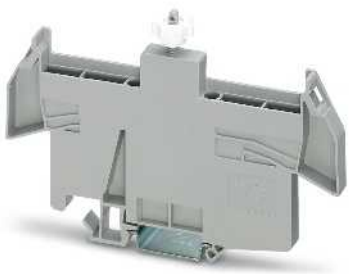
General data	
Material	PVC
Temperature range [°C]	-15 ... 65

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Cover profile, supply length 1 m	transparent	**AP-ME**	**METER**	**3034361**	10
Cover profile, please specify the desired length in cm	transparent	**AP-ME CM**		**3034345**	1
Covering hood, for the contact and dust-protected encapsulation of the components	transparent	**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

Technical data

General data		
Material	PA	PA
Inflammability class according to UL 94	V2	V2
Temperature range [°C]	-40 ... 115	-40 ... 115

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
End bracket, for AP-ME cover profile, sealable, with storage option for plug-in bridges	gray	**APH-ME**	**3034374**	10
Holder, for AP-ME cover profile	gray	**APT-ME**	**3034358**	10

Cover profiles

– Cover profiles provide protection against unauthorized use of terminal strips
– Large-area labeling possible with AP-ES insert strips

Notes:

[1]) When ordering please specify the desired length in cm. Accuracy 1 mm.

Cover profile for mounting on a DIN rail

Cover profile for mounting on an end bracket

Technical data

General data	
Material	PVC
Inflammability class according to UL 94	V2
Temperature range [°C]	-15 ... 65

Technical data

	Polycarbonate PC
	V2
	-40 ... 115

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cover profile, for terminal strips, can be labeled with AP-ES insert strips, cover profile carriers should be placed at the ends and at intervals of approx. 40 cm, maximum supply length: 1 m[1])				
Can be snapped onto AP 2-TU cover profile carrier	transparent	**AP 2 CM**	**5022889**	1
Can be snapped onto AP 3-TU or AP 3-TNS 35	transparent	**AP 3 CM**	**5022876**	1
Cover profile carrier, for mounting on NS 32 or NS 35/7,5 DIN rail, for fixing the AP cover profile, 2 mm thick, material: PA				
	gray	**AP 2-TU**	**5022630**	50
	gray	**AP 3-TU**	**5022656**	50
Sealable cover profile, for mounting on NS 35 DIN rail, for fixing the AP 3 cover profile, with plastic M5 knurled nut, space requirement: 13 mm				
	gray	**AP 3-TNS 35**	**5022672**	10
U-shaped cover, inner dimensions: 100 x 38 mm, 2 mm thick, maximum supply length: 2.05 m, also required: 2 E/UK end brackets and 2 VAH cover holders, made acc. to length specifications[1])				
	transparent	**A/U CM**	**5021110**	1
Adjustable cover holder, for mounting covers (up to 3 mm thick), additional requirements: one E/UK or CLIPFIX 35 end bracket, material PA				
	gray	**VAH**	**1201468**	10

Accessories

Insert strips, for group marking, for sliding into the AP 2 and AP 3 cover profile, cardboard, lettering field: 35 x 500 mm				
	white	**AP-ES**	**5022685**	10

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 labeled

Single cover for UK terminal blocks

Technical data

General data		
Material		ABS
Inflammability class according to UL 94		HB
Temperature range	[°C]	-40 ... 80
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Single cover, for covering the UK 2,5 neutral terminal block, snap fit	transparent	**EA 4**	**0805360**	50
Single cover, for covering the UK 3 N, UK 5 N, UK 6 N, UK 4-FSR, UK 4FS/FS,UK 4-LOER terminal blocks, snap fit	transparent	**EA 5**	**1024014**	100
Single cover, for covering the UK 16 neutral terminal block, snap fit	transparent	**EA 7**	**1024250**	100
Single cover, for covering the UK 3 N, UK 5 N, UK 6 N, UK 4-FSR, UK 4FS/FS,UK 4-LOER terminal blocks, snap fit, black print: lightning flash	yellow	**EA 5-WS**	**1024085**	100
Single cover, for covering the UK 35, UIK 35 terminal block, cannot be labeled, 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 labeled

Cover profile, hinged for DIN rail mounting

Technical data

General data		
Material		Polycarbonate PC
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 115
Components		free from silicone and halogen

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Holding profile, is snapped into the APK-TU cover holder, with groove for zack marker strip **ZB 5** up to **ZB 10**, length: 2 m	transparent	**APK 1**		**5022795**	10
Holding profile, is snapped into the APK-TU cover holder, with groove for zack marker strip **ZB 5** up to **ZB 10**, length: 2 m	gray	**APK-HP**	**2 METER**	**5022818**	2
Cover profile holder, 10 mm width, for mounting on NS 32 or NS 35/7,5, for fixing the holding profile APK-HP, can be labeled with **ZB 10** zack marker strip, material: PA	gray	**APK-TU**		**5022805**	10

Busbars

Neutral busbar

3 x 10 mm

6 x 6 mm

	Technical data		
Dimensions	Width	Length	Height
[mm]	**10**	**1000**	**3**
General data			
Material	Copper		

	Technical data		
Width	Length	Height	
6	**1000**	**6**	
Copper			

	Ordering data		
Description / Color	**Type**	**Order No.**	Pcs. / Pkt.
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A			
silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10
PEN conductor busbar, in accordance with DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A			
silver			

	Ordering data		
Type	**Order No.**	Pcs. / Pkt.	
NLS-CU 6/ 6 SN 1000MM	**0402161**	10	

Supports for neutral busbars

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 www.phoenixcontact.net/products.

Support frame for SK shield connection terminal blocks

Support, multi-level, insulated

	Technical data		
Dimensions	Width	Length	Height
[mm]	**19.4**	**23.4**	**21.7**
General data			
Material	PA		
Inflammability class according to UL 94	V2		

	Technical data		
Width	Length	Height	
19	**42**	**48**	
PA			
V2			

	Ordering data		
Description / Color	**Type**	**Order No.**	Pcs. / Pkt.
Support, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars			
gray	**AB/SS**	**0404428**	10
Double support, 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 frame, made from insulating material			
gray			

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

Power terminal blocks

10 (16) mm², 76 A, power terminal block

35 (35) mm², 125 A, power terminal block

Technical data				
Dimensions	Width	Length	Height	
[mm]	**8**	**40**	**36**	
Max. electrical data	$I_{max.}$ [A]		max. Ø [mm²]	AWG
	76		**0.5 - 16**	**20 - 6**
Rated data	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section [A] / [mm²]	57 / 10	- / -	-	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.5 - 16	0.5 - 10	0.5 - 16	0.5 - 10
Two conductors (of the same type) [mm²]	0.5 - 10	0.5 - 10	0.5 - 10	-
General data				
Stripping length [mm]	14			
Screw thread	M5			
Tightening torque [Nm]	2.5 - 3			

Technical data				
Width	Length	Height		
12	**40**	**37**		
$I_{max.}$ [A]		max. Ø [mm²]	AWG	
125		**0.75 - 35**	**18 - 2**	
IEC	UL/CUL	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	-	
14				
M6				
3.2 - 3.7				

Ordering data			
Description	Color		
Power terminal block, copper, nickel-plated	aluminum		

Ordering data			
Type	I_{max}	**Order No.**	Pcs. / Pkt.
EK 116		**0401010**	10

Ordering data			
Type	I_{max}	**Order No.**	Pcs. / Pkt.
EK 135		**0401023**	10

Branch terminal blocks

- 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

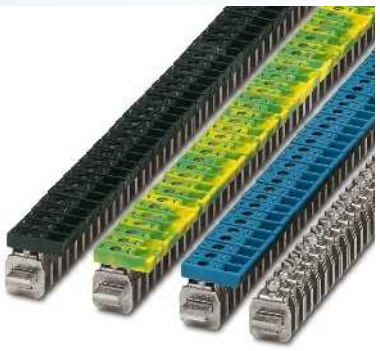
35 (35) mm², 125 A, branch terminal

Technical data				
Dimensions	Width	Length	Height	
[mm]	**12**	**40**	**36**	
Max. electrical data	$I_{max.}$ [A]		max. Ø [mm²]	AWG
	125		**0.75 - 35**	**18 - 2**
Rated data	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section [A] / [mm²]	125 / 35	- / -	-	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
Two conductors (of the same type) [mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
General data				
Stripping length [mm]	15			
Screw thread	M6			
Tightening torque [Nm]	3.2 - 3.7			

Ordering data			
Description	Color		
Branch terminal block, for connection to copper bars up to 5 mm thick	aluminum		

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

L/N/PE connection terminal blocks



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

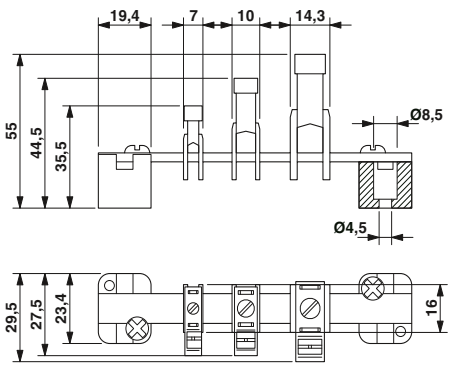
– In electrical systems subject to the setup requirements of DIN VDE 0100 or IEC 60204-1/EN 60204-1/VDE 0113-1, N, PE or phase conductor L are often connected to central busbars. This requires the conductor and/or terminal block to be clearly labeled for the corresponding circuit.
The connection terminal blocks satisfy these requirements in several ways:
– Through individual labeling of each terminal block
– By their blue, green-yellow or black colored housings
– Large labeling possible with ZB, UC-TM, UCT-TM

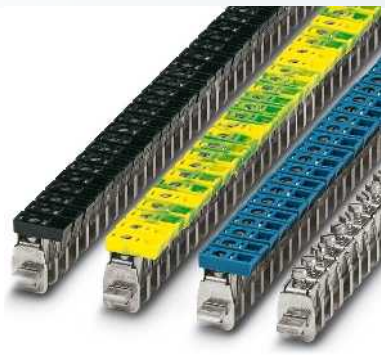
Technical data

Dimensions		Width	Length	Height	
	[mm]	**7**	**23.7**	**23.6**	
Max. electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG
		41		**0.5 - 6**	**20 - 10**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	300	-	-
Nominal current / cross section	[A] / [mm²]	41 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	20 - 10	22-12	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 6	0.5 - 4	0.5 - 6	0.5 - 6
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	16			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Connection terminal block, steel, pushed onto NLS neutral busbar, can be labeled with ZB ...	black	**AKG 4 BK**		**0421032**	50
Up to 6 mm² solid, 7 mm wide	green-yellow	**AKG 4 GNYE**		**0421029**	50
Up to 6 mm² solid, 7 mm wide	blue	**AKG 4 BU**		**0421016**	50
Without insulating cap	silver	**AK 4**		**0404017**	50
Connection terminal block, steel, pushed onto NLS neutral busbar, can be labeled 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 labeled 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				





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]		max. Ø [mm²]	AWG
76		**1.5 - 16**	**16 - 6**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	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			

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

Technical data

Width	Length	Height	
14.3	**27**	**39**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
125		**2.5 - 35**	**14 - 2**
IEC / EN IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	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 35 BK		**0424039**	50
AKG 35 GNYE		**0424026**	50
AKG 35 BU		**0424013**	50
AK 35		**0404046**	50

Europe connectors

Notes:
For more variants, see www.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

2.5 (2.5) mm², 24 A, 12-pos.

Technical data

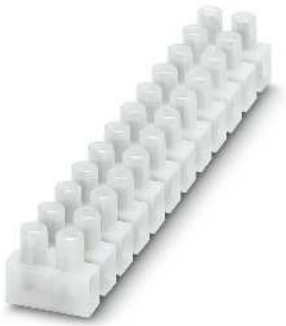
Dimensions					
		Width	Length	Height	
	[mm]	**16.2**	**93.6**	**13.4**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**450**	**0.5 - 2.5**	**20 - 14**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	20 - 14	22-12	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 1.5	0.5 - 1
Two conductors (of the same type)	[mm²]	0.5 - 0.75	0.5 - 0.75	-	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	5			
Screw thread		M2,6			
Tightening torque	[Nm]	0.4 - 0.5			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

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

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
32	**450**	**0.75 - 4**	**18 - 12**
IEC	UL/CUL	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			

Ordering data

Type	Order No.	Pcs. / Pkt.
EC 4 P TR	**3240171**	10

Technical data

Width	Length	Height	
22.2	**132.7**	**17.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**450**	**1 - 6**	**16 - 10**
IEC	UL/CUL	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			

Ordering data

Type	Order No.	Pcs. / Pkt.
EC 6 P TR	**3240175**	10

Technical data

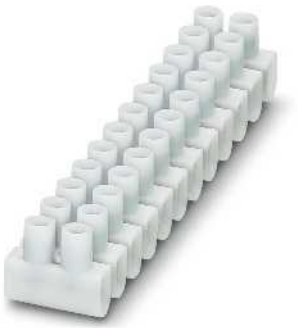
Width	Length	Height	
25.2	**173.9**	**20.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
76	**450**	**6 - 16**	**10 - 6**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
450	300	-	-
76 / 16	55 / -	-	-
16	-	-	-
10 - 6	10-6	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
6 - 16	6 - 16	1.5 - 10	1.5 - 10
1.5 - 4	2.5 - 4	1.5 - 2.5	- 0.75 - 2.5
8			
M4			
1.2 - 1.5			
PA			
V2			

Ordering data

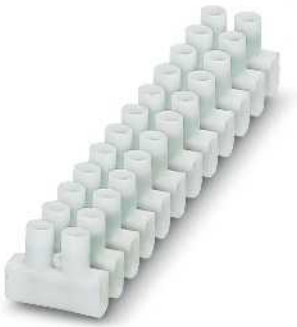
Type	Order No.	Pcs. / Pkt.
EC 16 P TR	**3240182**	10

Europe connectors

- These Europe connectors are suitable for solid and stranded conductors with a max. cross section of 25 mm²
- The prismatic clamping part facilitates conductor entry and secure contact can be established even in the case of conductors without ferrules
- 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.

Technical data

Dimensions		Width	Length	Height	
	[mm]	**16.6**	**94.9**	**13**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32	**450**	**0.5 - 4**	**20 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	-	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	- / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	20 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 4	0.5 - 4	0.75 - 2.5	0.75 - 2.5
Two conductors (of the same type)	[mm²]	0.5 - 1	- 1	-	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	5			
Screw thread		M2,6			
Tightening torque	[Nm]	0.4 - 0.5			
Insulating material		PP			

Ordering data

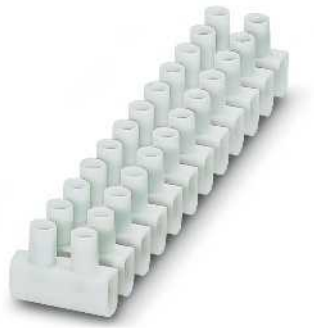
Description	Color	Type	Order No.	Pcs. / Pkt.
Europe connector, 12-pos.	white	**EC 4**	**3240168**	10
	black	**EC 4 BK**	**3240169**	10

Technical data

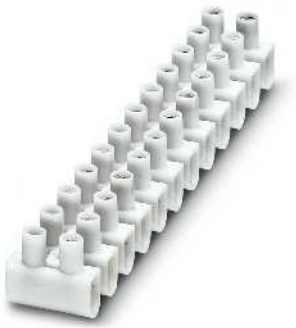
Dimensions		Width	Length	Height	
	[mm]	**18.9**	**116.5**	**14.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		41	**450**	**0.75 - 6**	**18 - 10**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	-	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	- / -	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	18 - 10	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.75 - 6	0.75 - 6	0.75 - 4	0.75 - 2.5
Two conductors (of the same type)	[mm²]	0.75 - 1.5	0.75 - 1.5	0.5 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	6			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PP			

Ordering data

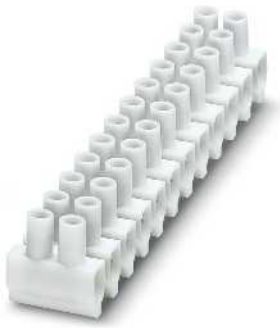
Description	Color	Type	Order No.	Pcs. / Pkt.
Europe connector, 12-pos.	white	**EC 6**	**3240172**	10
	black	**EC 6 BK**	**3240173**	10



10 (10) mm², 57 A, 12-pos.



16 (16) mm², 76 A, 12-pos.



25 (25) mm², 101 A, 12-pos.

Technical data

Width	Length	Height	
17.3	**133.8**	**23.4**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**450**	**1 - 10**	**16 - 8**
IEC	UL/CUL	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			

Ordering data

Type	Order No.	Pcs. / Pkt.
EC 10	**3240176**	10
EC 10 BK	**3240177**	10

Technical data

Width	Length	Height	
20.7	**174.5**	**25**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
76	**450**	**1.5 - 16**	**14 - 6**
IEC	UL/CUL	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			

Ordering data

Type	Order No.	Pcs. / Pkt.
EC 16	**3240179**	10
EC 16 BK	**3240180**	10

Technical data

Width	Length	Height	
30	**187.3**	**28**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
101	**750**	**10 - 25**	**8 - 4**
IEC	UL/CUL	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 25	**3240183**	10
EC 25 BK	**3240184**	10

Junction box connectors

- 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.

Technical data

Dimensions		Width	Length	Height	
	[mm]	**17.2**	**15.6**	**8.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**450**	**0.5 - 2.5**	**20 - 14**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	600	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	20 - 14	20-16	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	1.5 - 2.5	-	-
General data					
Stripping length	[mm]	8			
Insulating material		PC/PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plug-in terminal block, 3-pos.	transparent	**JBC 2,5/3**	**3240164**	100
5-pos.	transparent			
8-pos.	transparent			

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 [mm²]	AWG
24	**450**	**0.5 - 2.5**	**20 - 14**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
450	600	-	-
24 / 2.5	20 / -	-	-
2.5	-	-	-
20 - 14	20-16	-	-
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

Technical data

Width	Length	Height	
39.2	**15.6**	**8.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**450**	**0.5 - 2.5**	**20 - 14**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
450	600	-	-
24 / 2.5	20 / -	-	-
2.5	-	-	-
20 - 14	20-16	-	-
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 2,5/8	**3240166**	50

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 connection 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:

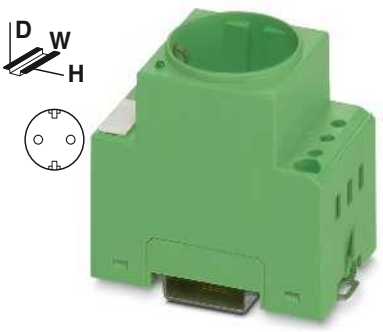
– Screw or spring-cage connection
– With or without light indicator
– Grounding connector, Belgian, French or USA version
– Housing: green, yellow or light gray

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 www.phoenixcontact.net/products.

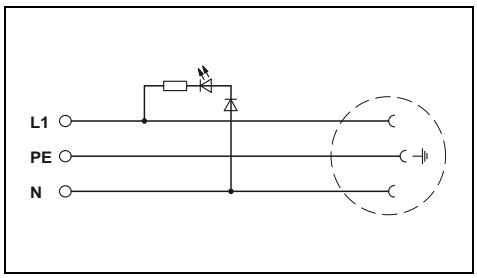
Notes:

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 www.phoenixcontact.net/products.



Germany



Technical data

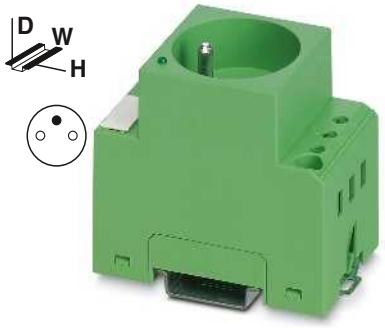
Nominal voltage		250 V AC	
Max. continuous current		16 A AC	
General data		SD-D... and EMG 45...	EMG 90...
Dimensions	W / H / D	45 mm / 75 mm / 65.2 mm	90 mm / 75 mm / 70.5 mm
Connection data solid / stranded / AWG		0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
Standards/regulations		IP20	
Contact material		CuZn37	
Ambient temperature range		-20°C ... 60°C	
Standards/regulations		IEC 83 , DIN 49440-1	

Ordering data

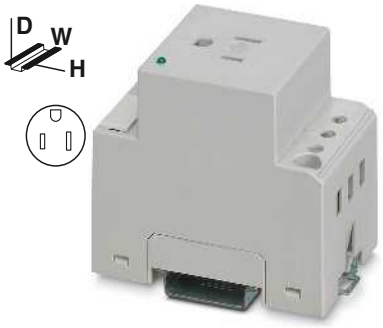
Description	Type	Order No.	Pcs. / Pkt.
Socket for the DIN rail			
Screw connection, light indicator, green	**SD-D/SC/LA**	**2964898**	5
Screw connection, light indicator, gray	**SD-D/SC/LA/GY**	**2963491**	5
Screw connection, light indicator, yellow	**SD-D/SC/LA/YE**	**2963404**	5
Screw connection, green	**SD-D/SC**	**2963310**	5
Screw connection, gray	**SD-D/SC/GY**	**2963815**	5
Screw connection, yellow	**SD-D/SC/YE**	**2963459**	5
Spring-cage connection, light indicator, green	**SD-D/SP/LA**	**2963307**	5
Spring-cage connection, light indicator, gray	**SD-D/SP/LA/GY**	**2963488**	5
Spring-cage connection, light indicator, yellow	**SD-D/SP/LA/YE**	**2963475**	5
Spring-cage connection, green	**SD-D/SP**	**2963323**	5
Spring-cage connection, gray	**SD-D/SP/GY**	**2963501**	5
Spring-cage connection, yellow	**SD-D/SP/YE**	**2963462**	5
Socket for the DIN rail with device fuse (5 x 20 mm, 6.3 A)			
Screw connection, light indicator, green	**EMG 45-SD-D/LA/SI**	**2943738**	5
Screw connection, light indicator, yellow	**EMG 45-SD-D/LA/SI YE**	**2940825**	5
Double socket for the DIN rail			
Screw connection, light indicator, green	**EMG 90-2SD-D/LA**	**2941523**	2
Screw connection, gray			
Screw connection, residual current circuit breaker, gray			

Accessories

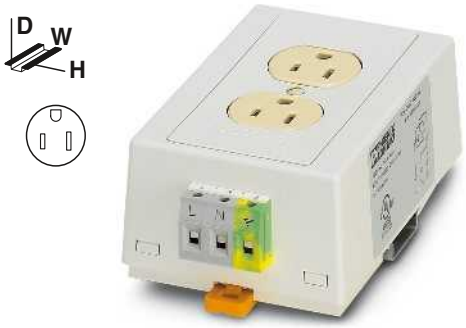
Marker tags, 5-section, unprinted, labeling with X-PEN, M-PEN, plotter or BKMT 20 x 8 label				
Lettering field size: 20 x 8 mm	white	**SS-ZB WH**	**5031171**	50
Lettering field size: 20 x 8 mm	yellow	**SS-ZB YE**	**5031650**	50
labeled according to customer specifications	white	**SS-ZB WH CUS**	**0824470**	1



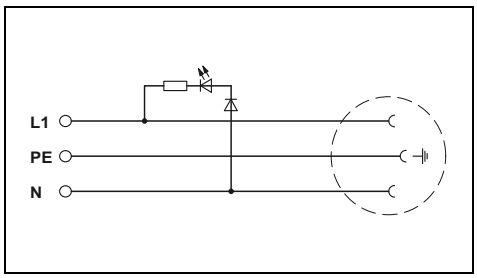
France/Belgium

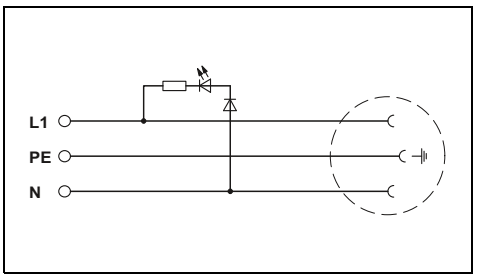


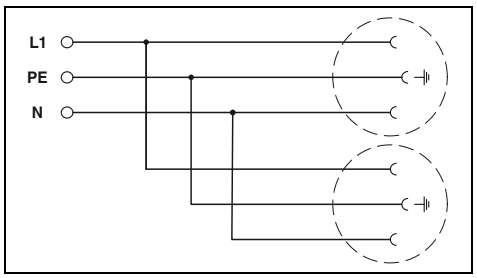
USA



USA







Technical data

250 V AC
10 A DC
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 AC
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

120 V AC
15 A

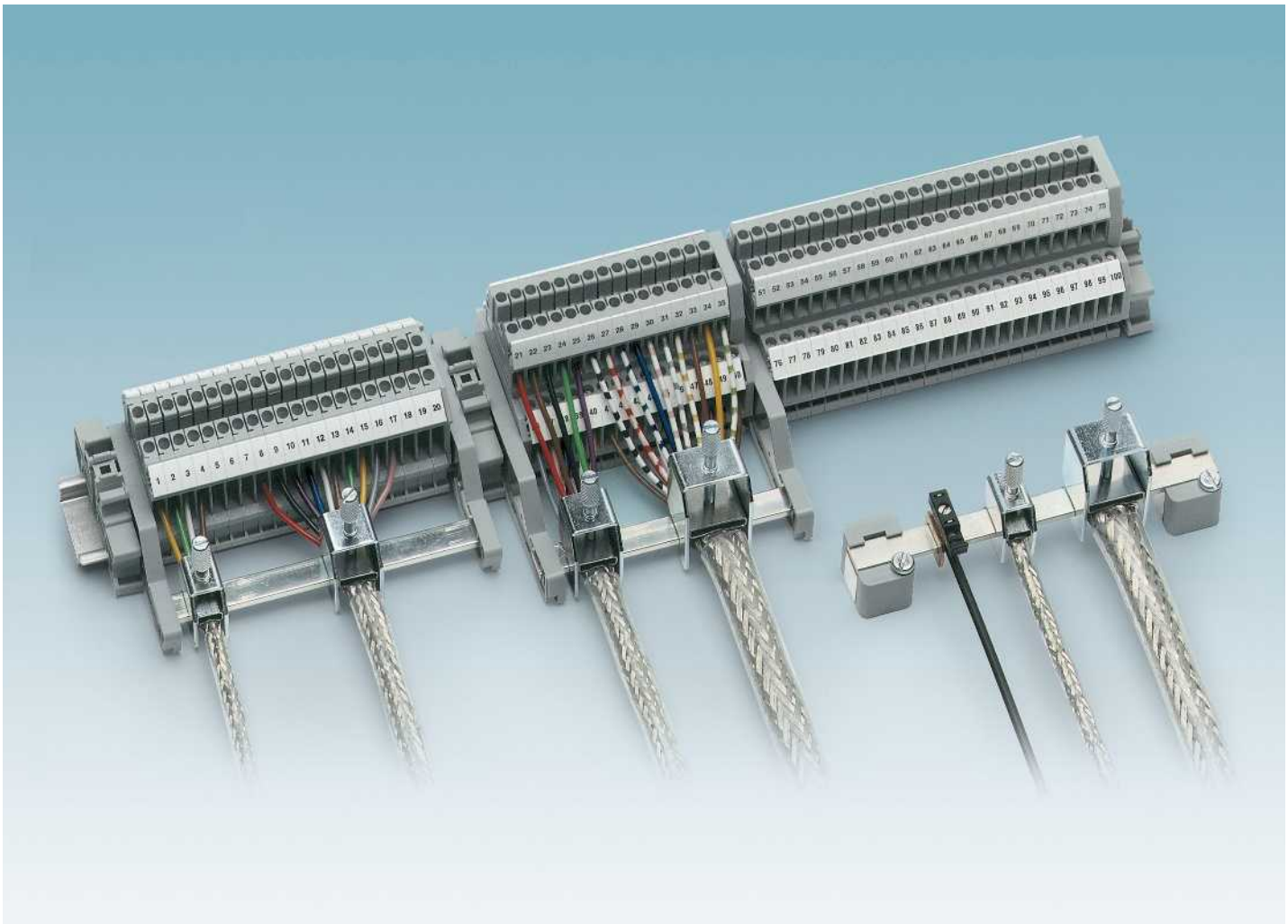
EM-DUO...	EM-DUO.../GFI
83 mm / 134 mm / 49 mm	83 mm / 134 mm / 52 mm

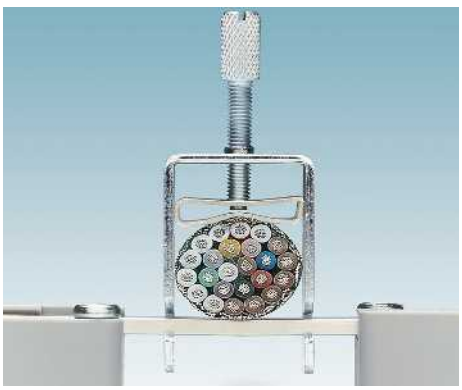
0.2 - 6 mm² / 0.2 - 4 mm² / 24 - 10
IP20
CuZn37
-40°C ... 70°C
UL 508

Ordering data

Type	Order No.	Pcs. / Pkt.
EM-DUO 120/15	**5600461**	1
EM-DUO/120/15/GFI	**5600462**	1

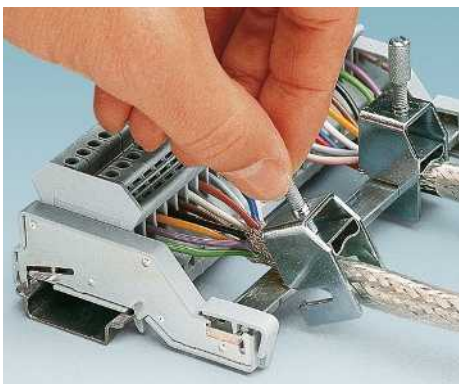
Accessories





Large shield support

Shield connection terminal blocks are suitable for all standard cable shields and allow for EMC-compliant wiring through large surfaces and low-impendence and low-resistance contact transitions.



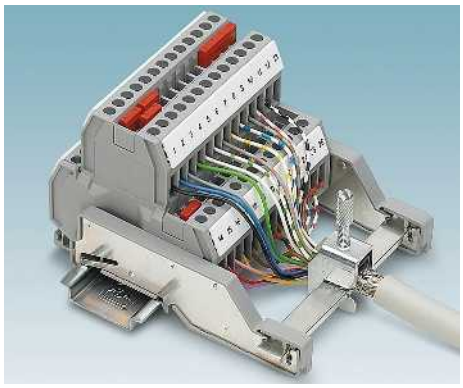
Easy to install

The shield connection terminal blocks offer optimum wiring convenience. Only once the terminal strip has been wired is the shield connection terminal block mounted by simply pivoting it into place.

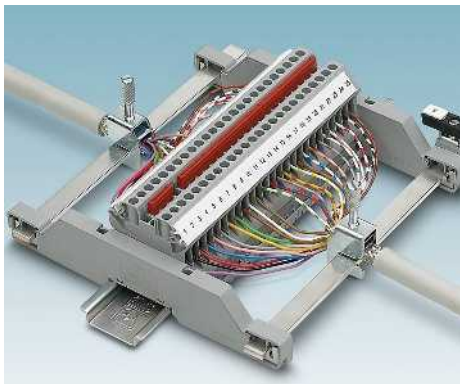
Safe contact

Phoenix Contact support frames for shield connection terminal blocks are easily snapped onto the mounting rail. The integrated contact metals allow the ground potential to be automatically connected to the busbar.

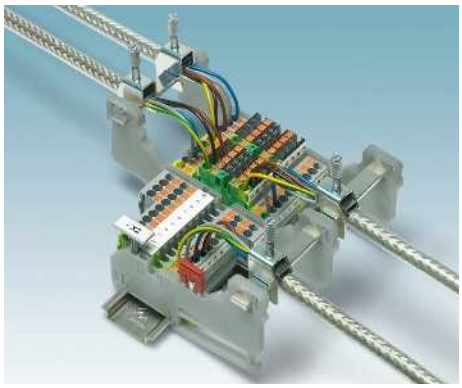
Conductors with a diameter of 2 to 35 mm can make optimum contact with the shield connection clamps of the SK series without any special tools and are available for various types of mounting.



The single-sided AB-SK shield support frames are particularly well suited to space-saving conductor connection for terminal blocks and devices with cable entry at the side.



The double support frame offers simple handling with optimum EMC properties for the two-sided support of a shielded cable. Either an insulated or grounded structure can be used.



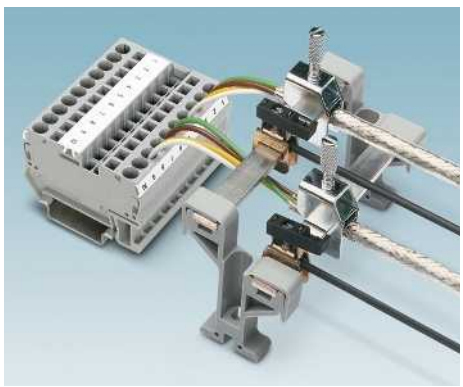
The easiest way to wire terminal blocks with a front connection is using AB-SK TOP support frames located above the blocks. The NLS rail can be mounted in the support frames vertically, horizontally or at a 45° angle for optimum conductor placing.

The 3 x 10 mm PEN conductor busbar can also be quickly and safely snapped into the contact zone. The ground potential is thereby automatically connected to the busbar.

Having the same design as the SK series, shield supports with SK ...-D terminal blocks can also be realized directly on the mounting plate or back wall. The terminal blocks are simply pivoted into the two slots above the conductor.

Support frames with a lateral metal insert for the PEN conductor busbar or T-shaped AB-SK/E compact support frames are used to freely position the shield connection terminal blocks on the mounting plate.

Alternatively, the shielding can also be connected to ground potential insulated from protective earth ground. An appropriate contact to the PEN conductor busbar is established using a pick-off terminal block.



The easiest way to wire terminal blocks with a front connection is using support frames located above the blocks. This method also allows multi-level terminal blocks with short wiring paths to be connected in compliance with EMC requirements.

Shielding

SK ... shield connection clamps

The screw-type shield connection clamps of the SK series are characterized by:
– Simple handling
– Knurled screw
– Spring-loaded, large pressure piece
– Suitability for direct and busbar mounting

Notes:
For dimensional drawings, see page 531.

Shield connection clamps for busbar mounting

Shield connection clamps for direct mounting

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Shield connection clamp, for applying the shield to busbars, contact resistance < 1 mΩ							
Ø 2 - 5 mm, tightening torque 0.4 Nm	silver	**SK 5**	**3025338**	10			
Ø 3 - 8 mm, tightening torque 0.6 Nm	silver	**SK 8**	**3025163**	10			
Ø 3 - 14 mm, tightening torque 0.8 Nm	silver	**SK 14**	**3025176**	10			
Ø 5 - 20 mm, tightening torque 0.8 Nm	silver	**SK 20**	**3025189**	10			
Ø 5 - 28 mm, tightening torque 1 Nm	silver	**SK 28**	**3026997**	10			
Ø 20 - 35 mm, tightening torque 1.5 - 1.8 Nm	silver	**SK 35**	**3026463**	10			
Shield connection clamp, for applying the shield directly to the conductive mounting plates, plate thickness 1 - 2 mm							
Ø 2 - 5 mm, tightening torque 0.4 Nm	silver				**SK 5-D**	**3025406**	10
Ø 3 - 8 mm, tightening torque 0.6 Nm	silver				**SK 8-D**	**3026861**	10
Ø 3 - 14 mm, tightening torque 0.8 Nm	silver				**SK 14-D**	**3026874**	10
Ø 5 - 20 mm, tightening torque 0.8 Nm	silver				**SK 20-D**	**3026887**	10
Ø 5 - 28 mm, tightening torque 1 Nm	silver				**SK 28-D**	**3027006**	10
Ø 20 - 35 mm, tightening torque 1.5 - 1.8 Nm	silver				**SK 35-D**	**3026890**	10

	Accessories: Type	Order No.	Pcs. / Pkt.	Accessories: Type	Order No.	Pcs. / Pkt.
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	**NLS-CU 3/10 SN 1000MM**	**0402174**	10			

SKS ... shield connection clamps

- The SKS ... spring shield connection clamps are available for cable and conductor diameters of between 3 and 20 mm
- Three different forms of mounting are possible: on NS 35 DIN rails, on busbars or directly on conductive mounting plates

Notes:

For dimensional drawings, see page 531.

Shield connection clamps for busbar and direct mounting

Shield connection clamps for DIN rail mounting

Description	Color	Type	Order No.	Pcs. / Pkt.
Ordering data				
Shield connection clamp, for applying the shield to busbars, contact resistance < 1 mΩ				
Ø 3 - 8 mm	silver	**SKS 8**	**3240210**	10
Ø 3 - 14 mm	silver	**SKS 14**	**3240211**	10
Ø 5 - 20 mm	silver	**SKS 20**	**3240212**	10
Shield connection clamp, for directly applying the shield to conductive mounting plates, metal thickness 1-2 mm, with fastening screw M4				
Ø 3 - 8 mm	silver	**SKS 8-D**	**3240213**	10
Ø 3 - 14 mm	silver	**SKS 14-D**	**3240214**	10
Ø 5 - 20 mm	silver	**SKS 20-D**	**3240215**	10
Shield connection clamp, with screwfix, mounting on DIN rail NS 35..., for shield support on busbars				
Ø 3 - 8 mm	silver			
Ø 3 - 14 mm	silver			
Ø 5 - 20 mm	silver			
Shield connection clamp, with snap-on foot, mounting on DIN rail NS 35..., for shield support on busbars				
Ø 3 - 8 mm	silver			
Ø 3 - 14 mm	silver			
Ø 5 - 20 mm	silver			
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

Type	Order No.	Pcs. / Pkt.
Ordering data		
SKS 8-NS35	**3240216**	10
SKS 14-NS35	**3240217**	10
SKS 20-NS35	**3240218**	10
SKS 8-SNS35	**3062786**	10
SKS 14-SNS35	**3062799**	10
SKS 20-SNS35	**3062809**	10
Accessories		
NLS-CU 3/10 SN 1000MM	**0402174**	10

Support frame 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 labeled with zack marker strip and KLM ... terminal strip marker; see page 500
– Parking facility for FBS plug-in bridges
– End holder function
– For mounting SK and SKS shield connection clamps

AB-SK

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

AB-SKS

– For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
– Insulated to DIN rail
– End holder function
– For mounting SK and SKS shield connection clamps

Support frame, tall, for SK & SKS shield connection clamps

Technical data

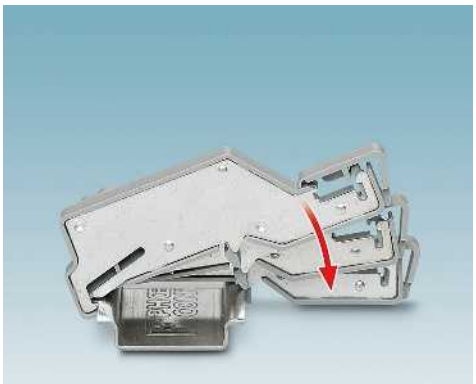
Dimensions	Width	Length	Height
[mm]	5.2	102.4	
General data			
Material	PA		

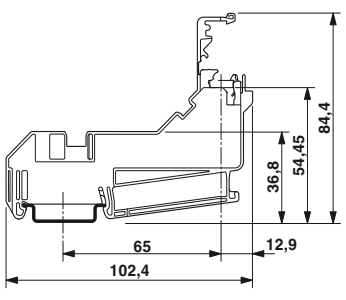
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Support frame with end holder function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK and SKS shield connection clamps	gray	AB-SK TOP	3062090	10
Support frame with end holder function, for mounting on NS 35..., insulated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray	AB-SK TOP INSULATED	3062074	10
Support frame, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			
Support frame, 65 mm, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			
Support frame with end holder function, for mounting on NS 35..., insulated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray			

Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	NLS-CU 3/10 SN 1000MM	0402174	10
Lateral groove labeling		**UC-TM 5, UCT-TM 5 or ZB 5 UC-TMF 5, UCT-TMF 5 or ZBF 5**		





AB-SK TOP

**Support frame,
for SK shield connection clamps**

**Support frame, 65 mm long,
for SK shield connection clamps**

**Insulated support frame, tall, for
SK and SKS shield connection clamps**

Technical data

Width	Length	Height
6.2	77.35	
PA		

Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK	3025341	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height
6.2	95.5	
PA		

Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK 65	3026489	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

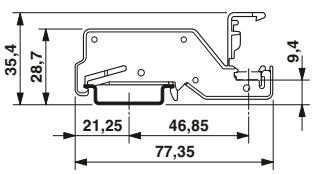
Width	Length	Height
9.5	97.8	
PA		

Ordering data

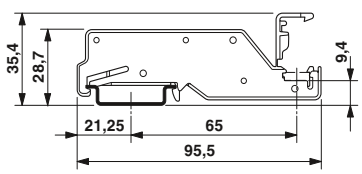
Type	Order No.	Pcs. / Pkt.
AB-SKS 60	3240223	10

Accessories

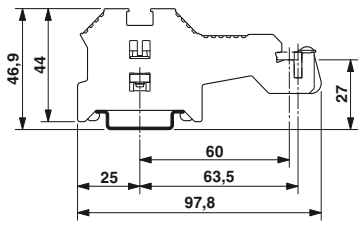
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK

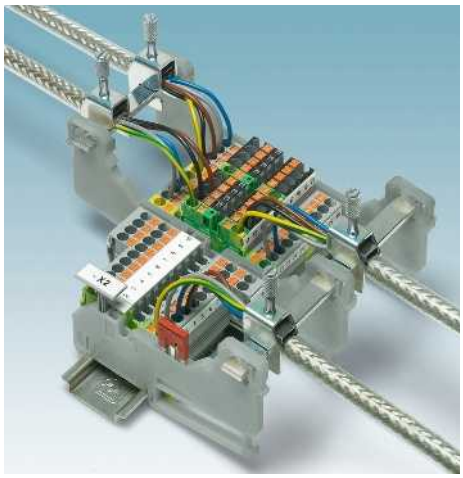


AB-SK 65



AB-SKS 60

Double support frame 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 labeled with zack marker strip and KLM ... terminal strip marker; see page 500
- Parking facility for bridges and plugs
- For mounting SK and SKS shield connection clamps

AB-SK 65-D

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

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

Technical data

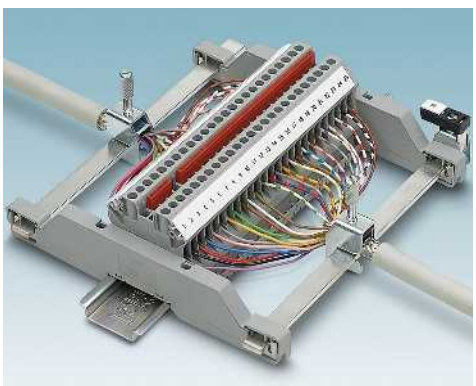
Dimensions			
	Width	Length	Height
[mm]	5.2	155.8	
General data			
Material	PA		

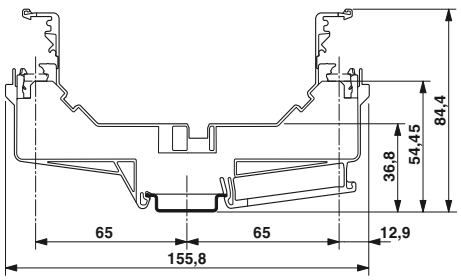
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Double support frame with end bracket function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK and SKS shield connection clamps	gray	**AB-SK-D TOP**	**3062100**	10
Double support frame with end bracket function, for mounting on NS 35..., insulated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray			
Double support frame, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			
Double support frame, 65 mm, for mounting on NS 35..., insulated to NS 35... for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			

Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10
Lateral groove labeling		**UC-TM 5, UCT-TM 5 or ZB 5 UC-TMF 5, UCT-TMF 5 or ZBF 5**		





AB-SK-D TOP

Insulated, double support frame, tall, for SK and SKS shield connection clamps

Double support frame, tall, for SK shield connection clamps

Insulated, double support frame, tall, for SK shield connection clamps

Technical data

Width	Length	Height
5.2	155.8	

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK-D TOP INSULATED	3062087	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

UC-TM 5, UCT-TM 5 or ZB 5
UC-TMF 5, UCT-TMF 5 or ZBF 5

Technical data

Width	Length	Height
8.2	150	

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK 65-D	3026900	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height
8.2	150	

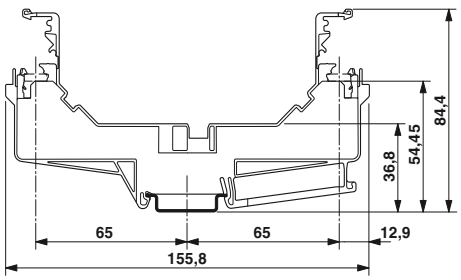
PA

Ordering data

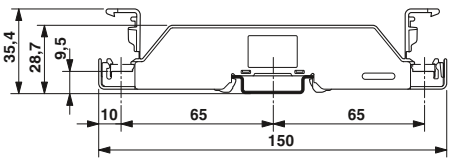
Type	Order No.	Pcs. / Pkt.
AB-SK 65-D INSULATED	3040889	10

Accessories

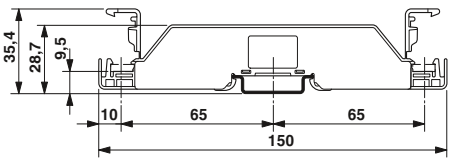
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK-D TOP INSULATED



AB-SK 65-D



AB-SK 65-D INSULATED

Shielding

Support frame for direct mounting

The support frames are available in the following versions:
– AB/SS for insulated installation on the mounting plate and
– AB/SS-M for uninsulated installation on the mounting plate
– For mounting SK and SKS shield connection clamps

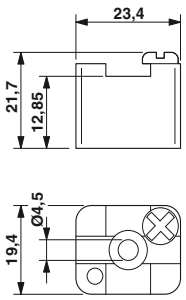
Notes:
For dimensional drawings, see www.phoenixcontact.net/products.

Support frame for SK shield connection clamps

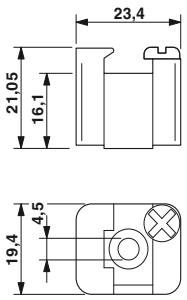
Support frame for SK & SKS shield connection clamps

	Technical data	Technical data
General data		
Material	PA	PA

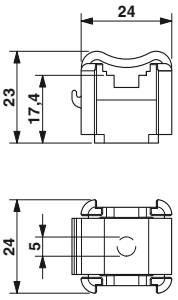
	Ordering data			Ordering data		
Description / Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Support, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars / gray	**AB/SS**	**0404428**	10			
Support, with contact to the mounting plate, with retaining screw, for 3 x 10 mm busbars / gray	**AB/SS-M**	**3025888**	10			
Support, insulated, for 3 x 10 mm or 6 x 6 mm busbars / gray				**AB/SKS**	**3240224**	10
	Accessories			**Accessories**		
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A / silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10	**NLS-CU 3/10 SN 1000MM**	**0402174**	10



AB/SS



AB/SS-M



AB/SKS

Multi-level support 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 insulated
- Direct mounting

Support, multi-level, insulated

Technical data

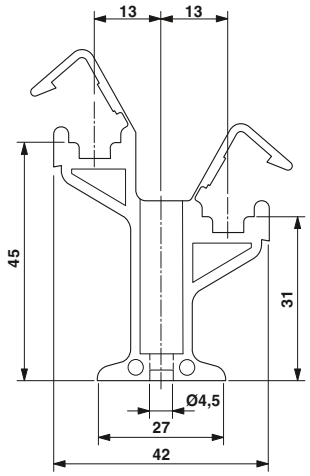
General data	
Material	PA

Ordering data

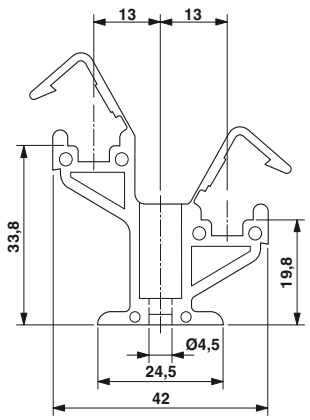
Description	Color	Type	Order No.	Pcs. / Pkt.
Double support, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar, height: 48 mm				
Height 48 mm	gray	**AB2/SS**	**0404431**	10
Height 36.8 mm	gray	**ABN 2/SS**	**0404460**	10
Triple support frame, made from insulating material	gray	**AB3/SS**	**0800086**	10

Accessories

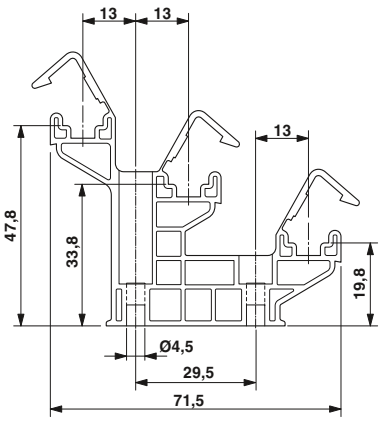
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10
PEN conductor busbar, in accordance with DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 6/ 6 SN 1000MM**	**0402161**	10



AB2/SS



ABN 2/SS



AB3/SS

Support frame for direct and DIN rail mounting

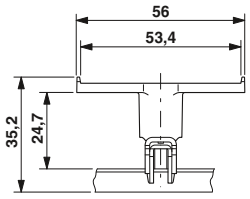
- T-shaped support frames for space-saving direct mounting and free positioning on the mounting plate
- Suitable for SK 5 to SK 14, SKS 8 and SKS 14 shield connection clamps
- Version for NS 35 DIN rail mounting

Technical data

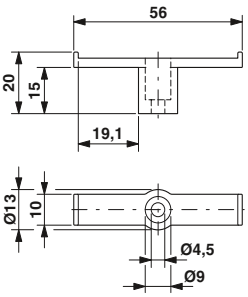
General data	
Material	Aluminum

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Support, for direct mounting with contacting on the mounting surface	silver	**AB-SK/E**	**3026476**	10
Support frame, for mounting on NS 35 DIN rails	silver	**AB-SK/E-NS 35**	**3213111**	10



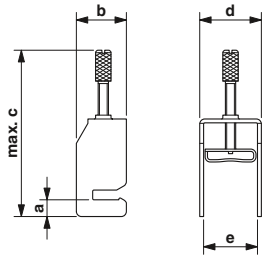
AB-SK/E-NS 35



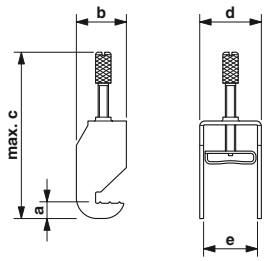
AB-SK/E

SK shield connection clamps

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



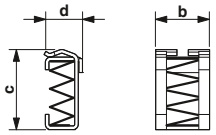
SK ...



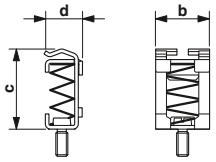
SK ...-D

SKS shield connection clamps

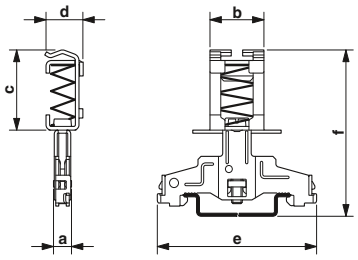
Dimensions in mm						
	a	b	c	d	e	f
SKS 8	–	18	26	12.4	–	–
SKS 14	–	21	32	19	–	–
SKS 20	–	27	40.5	24.7	–	–
SKS 8-D	–	18	26	12.4	–	–
SKS 14-D	–	21	32	19	–	–
SKS 20-D	–	27	40.5	24.7	–	–
SKS 8-NS35	6	18	26	12.4	52	54
SKS 14-NS35	6	21	32	19	52	60
SKS 20-NS35	6	27	40.5	24.7	52	68.4



SKS ...



SKS ...-D

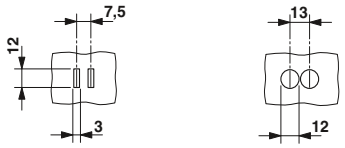


SKS ...-NS35

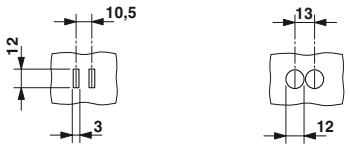
Drilling and punching patterns for SK...-D

Punching template

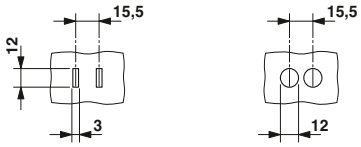
Drilling plan



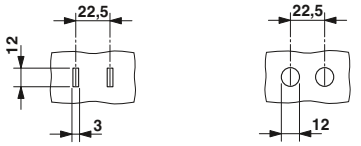
SK 5-D



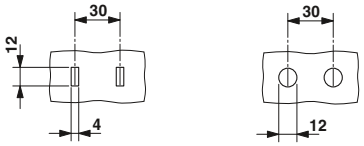
SK 8-D



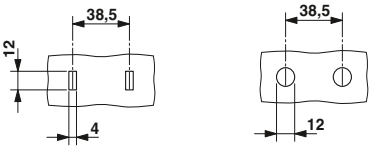
SK 14-D



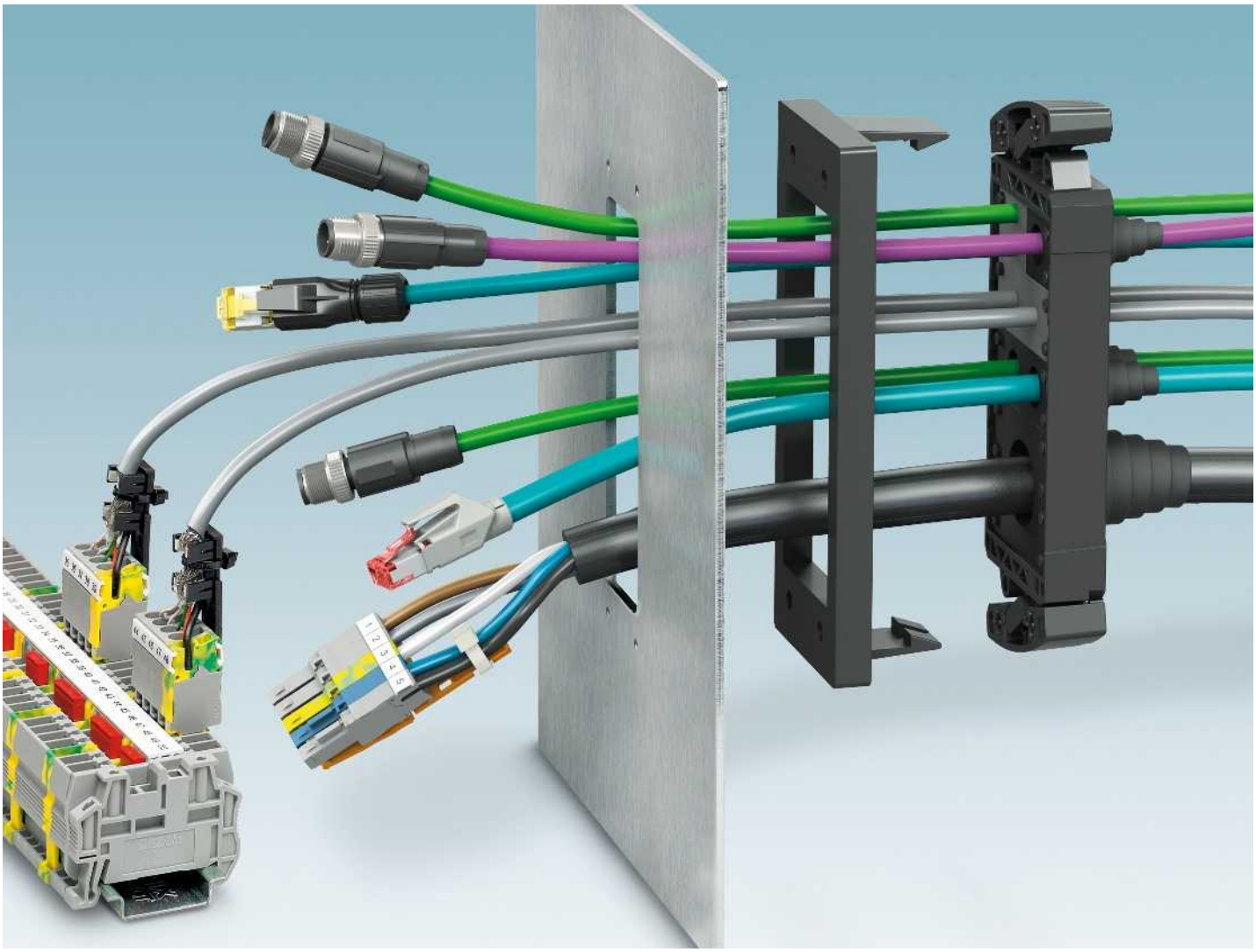
SK 20-D



SK 28-D

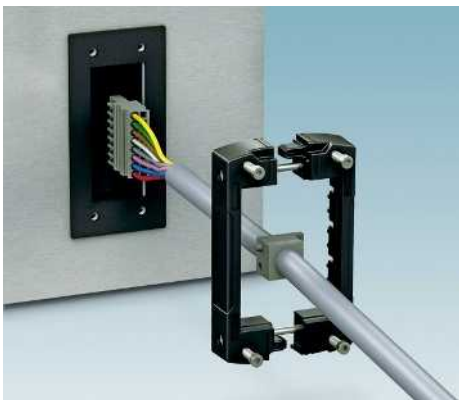


SK 35-D



Saves space and costs

The cable entry system (CES) allows a variety of cables and protective hoses to be inserted into control cabinets, distributor boxes or devices using a water- and dust-proof method where space is at a premium.
– For protective hoses, see page 548



Sealing frames with metal reinforcement

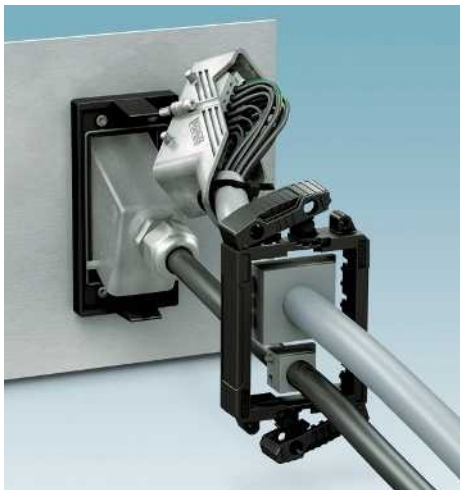
Because the sealing frames can be split, it is possible to guide pre-assembled plug-in connectors through panel cutouts and subsequently seal with a high degree of protection and reduce the strain according to DIN EN 50262. Thanks to the integrated metal reinforcement, only two locking elements are required on the front.

Variable mounting options

The CES sealing frames can be directly mounted on standard panel cutouts (e.g., Rittal) for industrial plug-in connectors. Snap-up frames are available to simplify on-site installation.

Optional latch

Sealing frames with screw locking and locking latches are available. The locking latch does not require any tools, which makes it really quick and easy to use, even in places that are difficult to access.



Also for industrial plug-in connectors

Due to a widening of the standard Rittal cutouts from 35 to 51 mm, even wide rectangular industrial plug-in connectors for double locking latches and plug assembly frames can be swiveled through mounting panels and sealed and provided with strain relief using the CES.

Plastic vs. rubber sleeves

The gray thermoplastic sleeves exhibit a low level of flammability according to UL 94 V0 and are highly resistant to acids and lyes. The black rubber sleeves (NBR) perform significantly better in the long term, particularly in the event of temperature fluctuations. They are also resistant to oil, fuels, and grease. All cable sleeves are halogen-free.

Faster installation and a reliable seal

It only takes two coned sleeves to seal any cable diameter ranging from 2 to 24 mm. The coned sleeves are cut to the appropriate length and pushed on before the cables are assembled. There is no longer any need to select corresponding slotted rubber seals on site, which can be a time-consuming process, and the reliability of the seal has been improved for ratings up to IP65.

Sealing frames for cable sleeves

- Sealing frame with integrated metal reinforcement to protect against deformation
- Only two locking elements are required (screws or latch)
- Suitable for standard panel cutouts (e.g., Rittal)
- Snap-up frame for simplifying on-site installation
- Sealing frame with convenient locking latch for tool-free actuation
- Marking for cable sleeve location on the underside of the frame

Notes:

For dimensional drawings, see page 541.

If the panel cutout width is 51 mm, HC industrial plug-in connectors and CIF plug assembly frames can also be fed through the panel using the cable entry system (CES).

Sealing frame with locking latch

Technical data

General data		
Material		PA
Degree of protection		IP54
Torque		-
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 120

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Sealing frame, including flat gasket, for accommodating cable sleeves, **for standard cutout:**			
B10 (cutout: 35 mm x 65 mm), for up to 6 cable sleeves	**CES-B10-HFFS-PLBK**	**0801663**	1
B16 (cutout: 35 mm x 86 mm), for up to 8 cable sleeves	**CES-B16-HFFS-PLBK**	**0801662**	1
B24 (cutout: 35 mm x 113 mm), for up to 10 cable sleeves	**CES-B24-HFFS-PLBK**	**0801661**	1
Snap-up frame, including integrated seal for mounting panel, for accommodating sealing frames, **for standard cutouts:**			
B10 (cutout: 35 mm x 65 mm)			
B16 (cutout: 35 mm x 86 mm)			
B24 (cutout: 35 mm x 113 mm)			
Locking plate, metal, locks an unused snap-up frame, transport protection, **for standard cutouts:**			
B10			
B16			
B24			

Accessories

Replacement flat gasket, for sealing frame with **standard cutout:**			
B10 (cutout: 35 mm x 65 mm)	**CES-B10-WRG-BK**	**0801725**	10
B16 (cutout: 35 mm x 86 mm)	**CES-B16-WRG-BK**	**0801726**	10
B24 (cutout: 35 mm x 113 mm)	**CES-B24-WRG-BK**	**0801727**	10
M4 replacement screw, with 4 mm Allen screw head, for sealing frame with screw locking			
Bit screwdriver, with 1/4" quick-action chuck, suitable for bits according to DIN 3126-C 6.3 and E 6.3/ISO 1173, magnetic			
Screw bit, hexagonal, E6.3-1/4" drive, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173			
Size: hex 3 x 50 mm			

Sealing frame with screw locking

Snap-up frame

Locking plates

Technical data

	PA
	IP55 / IP65 (when using a CES-SRC../CES-LRC.. cone sleeve and a cable binder)
	2 Nm ... 4 Nm (Locking screw)
	V0
	-40 ... 120

Ordering data

Type	Order No.	Pcs. / Pkt.
CES-B10-SFFS-PLBK	0801660	1
CES-B16-SFFS-PLBK	0801659	1
CES-B24-SFFS-PLBK	0801658	1

Accessories

CES-B10-WRG-BK	0801725	10
CES-B16-WRG-BK	0801726	10
CES-B24-WRG-BK	0801727	10
CES-SFFS-H	0801728	10
SF-M BH	1212070	1
SF-BIT-HEX 3-50	1212647	5

Technical data

	PA
	IP54 / IP55 (when using a CES-B...-SFFS-PLBK sealing frame with screw locking) / IP65 (when using a CES-B...-SFFS-PLBK sealing frame with screw locking and a cone sleeve with cable binder)
	-
	V0
	-20 ... 80

Ordering data

Type	Order No.	Pcs. / Pkt.
CES-B10-SF-PLBK	0801655	10
CES-B16-SF-PLBK	0801651	10
CES-B24-SF-PLBK	0801647	10

Accessories

Technical data

	Steel, galvanized
	-
	-
	-
	-

Ordering data

Type	Order No.	Pcs. / Pkt.
CES-B10-SFC-M	0801645	10
CES-B16-SFC-M	0801642	10
CES-B24-SFC-M	0801641	10

Accessories

CES cable entry system

Cable sleeves, rubber

- Significantly improved long-term performance
- Resistant to oil, fuels, and grease
- Halogen-free

Notes:

The CES cable entry system was developed according to DIN EN 50262 (Cable glands for electrical installations).

The cable sleeves must be mounted in accordance with the mounting instructions provided.

Cable sleeves, small

Cable sleeves, large

		Technical data	Technical data
General data			
Material		NBR	NBR
Degree of protection		IP54 / IP55 (when using a CES-B...-SFFS-PLBK sealing frame with screw locking)	IP54 / IP55 (when using a CES-B...-SFFS-PLBK sealing frame with screw locking)
Temperature range	[°C]	-40 ... 80	-40 ... 80

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cone-shaped cable sleeves, IP65 in sealing frames with screw locking and cable binders, IP54 in sealing frames with locking latch. For cables with a diameter of:							
2 - 11 mm	black	**CES-SRC-BK**	**0801718**	10			
7 - 24 mm	black				**CES-LRC-BK**	**0801719**	10
Cable sleeves, IP65, without bore hole, can be used in sealing frames with locking latch and screw locking							
	black	**CES-SRG-BK**	**0801670**	10	**CES-LRG-BK**	**0801671**	10
Cable sleeves, small, slotted, can be used in sealing frames with locking latch and screw locking, for cable diameter of:							
1 - 2 mm	black	**CES-SRG-BK-2**	**0801635**	10			
2 - 3 mm	black	**CES-SRG-BK-3**	**0801633**	10			
3 - 4 mm	black	**CES-SRG-BK-4**	**0801632**	10			
4 - 5 mm	black	**CES-SRG-BK-5**	**0801630**	10			
5 - 6 mm	black	**CES-SRG-BK-6**	**0801628**	10			
6 - 7 mm	black	**CES-SRG-BK-7**	**0801627**	10			
7 - 8 mm	black	**CES-SRG-BK-8**	**0801625**	10			
8 - 9 mm	black	**CES-SRG-BK-9**	**0801622**	10			
9 - 10 mm	black	**CES-SRG-BK-10**	**0801620**	10			
10 - 11 mm	black	**CES-SRG-BK-11**	**0801618**	10			
11 - 12 mm	black	**CES-SRG-BK-12**	**0801617**	10			
12 - 13 mm	black	**CES-SRG-BK-13**	**0801616**	10			
13 - 14 mm	black	**CES-SRG-BK-14**	**0801615**	10			
14 - 15 mm	black	**CES-SRG-BK-15**	**1410563**	10			
15 - 16 mm	black	**CES-SRG-BK-16**	**1410576**	10			
16 - 17 mm	black	**CES-SRG-BK-17**	**1410589**	10			
Cable sleeves, large, slotted, can be used in sealing frames with locking latch and screw locking, for cable diameter of:							
14 - 15 mm	black				**CES-LRG-BK-15**	**0801619**	10
15 - 16 mm	black				**CES-LRG-BK-16**	**0801621**	10
16 - 17 mm	black				**CES-LRG-BK-17**	**0801624**	10
17 - 18 mm	black				**CES-LRG-BK-18**	**0801626**	10
18 - 19 mm	black				**CES-LRG-BK-19**	**0801629**	10
19 - 20 mm	black				**CES-LRG-BK-20**	**0801631**	10
20 - 21 mm	black				**CES-LRG-BK-21**	**0801634**	10
21 - 22 mm	black				**CES-LRG-BK-22**	**0801637**	10
22 - 23 mm	black				**CES-LRG-BK-23**	**0801638**	10
23 - 24 mm	black				**CES-LRG-BK-24**	**0801639**	10
24 - 25 mm	black				**CES-LRG-BK-25**	**0801640**	10
25 - 26 mm	black				**CES-LRG-BK-26**	**0801643**	10
26 - 27 mm	black				**CES-LRG-BK-27**	**0801644**	10
27 - 28 mm	black				**CES-LRG-BK-28**	**0801646**	10
28 - 29 mm	black				**CES-LRG-BK-29**	**0801648**	10
29 - 30 mm	black				**CES-LRG-BK-30**	**0801650**	10
30 - 31 mm	black				**CES-LRG-BK-31**	**0801653**	10
31 - 32 mm	black				**CES-LRG-BK-32**	**0801654**	10
32 - 33 mm	black				**CES-LRG-BK-33**	**0801656**	10

Cable sleeves, rubber, special formats

- Significantly improved long-term performance
- Resistant to oil, fuels, and grease
- Halogen-free

Notes:

The CES cable entry system was developed according to DIN EN 50262 (Cable glands for electrical installations).

The cable sleeves must be mounted in accordance with the mounting instructions provided.

Cable sleeves, small, with several bore holes

Cable sleeves, small, for AS interface cables

Technical data

General data		
Material	NBR	NBR
Degree of protection	IP54 / IP55 (when using a CES-B...-SFFS-PLBK sealing frame with screw locking)	IP54
Temperature range [°C]	-40 ... 80	-40 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable sleeves, with 2 bore holes, small, slotted, can be used in sealing frames with locking latch and screw locking, for cable diameter of:							
2 x 2 mm ... 3 mm	black	**CES-SRG-BK-2X3**	**1410398**	10			
2 x 3 mm ... 4 mm	black	**CES-SRG-BK-2X4**	**1410408**	10			
2 x 4 mm ... 5 mm	black	**CES-SRG-BK-2X5**	**0801657**	10			
2 x 5 mm ... 6 mm	black	**CES-SRG-BK-2X6**	**0801664**	10			
2 x 6 mm ... 7 mm	black	**CES-SRG-BK-2X7**	**1410084**	10			
2 x 7 mm ... 8 mm	black	**CES-SRG-BK-2X8**	**1410097**	10			
2 x 8 mm ... 9 mm	black	**CES-SRG-BK-2X9**	**1410411**	10			
Cable sleeves, with 4 bore holes, small, slotted, can be used in sealing frames with locking latch and screw locking, for cable diameter of:							
4 x 2 mm ... 3 mm	black	**CES-SRG-BK-4X3**	**0801665**	10			
4 x 3 mm ... 4 mm	black	**CES-SRG-BK-4X4**	**0801666**	10			
4 x 4 mm ... 5 mm	black	**CES-SRG-BK-4X5**	**1410107**	1			
4 x 5 mm ... 6 mm	black	**CES-SRG-BK-4X6**	**1410152**	1			
Cable sleeve, IP54, slotted, for **one AS-I**nterface cable, **cable arrangement:**							
L	black				**CES-SRG-BK-1ASI-L**	**1410042**	10
R	black				**CES-SRG-BK-1ASI-R**	**0801667**	10
Cable sleeve, IP54, slotted, for **two AS-I**nterface cables, **cable arrangement:**							
LL	black				**CES-SRG-BK-2ASI-LL**	**1410055**	10
RR	black				**CES-SRG-BK-2ASI-RR**	**0801668**	10
LR	black				**CES-SRG-BK-2ASI-LR**	**0801669**	10

Cable sleeves, thermoplastics

- Thermoplastic sleeves exhibit a low level of flammability according to UL 94 V0
- They have a high level of resistance to acids and lyes

Notes:

The CES cable entry system was developed according to DIN EN 50262 (Cable glands for electrical installations).

The cable sleeves must be mounted in accordance with the mounting instructions provided.

Cable sleeves, small

Cable sleeves, large

	Technical data	Technical data
General data		
Material	SEBS	SEBS
Degree of protection	IP54 / IP55 (when using a CES-B...-SFFS-PLBK sealing frame with screw locking)	IP54 / IP55 (when using a CES-B...-SFFS-PLBK sealing frame with screw locking)
Inflammability class according to UL 94	V0	V0
Temperature range [°C]	-40 ... 80	-40 ... 80

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable sleeves, small, slotted, can be used in sealing frames with locking latch and screw locking, for cable diameter of:							
1 - 2 mm	gray	**CES-STPG-GY-2**	**0801672**	10			
2 - 3 mm	gray	**CES-STPG-GY-3**	**0801673**	10			
3 - 4 mm	gray	**CES-STPG-GY-4**	**0801674**	10			
4 - 5 mm	gray	**CES-STPG-GY-5**	**0801675**	10			
5 - 6 mm	gray	**CES-STPG-GY-6**	**0801676**	10			
6 - 7 mm	gray	**CES-STPG-GY-7**	**0801677**	10			
7 - 8 mm	gray	**CES-STPG-GY-8**	**0801679**	10			
8 - 9 mm	gray	**CES-STPG-GY-9**	**0801680**	10			
9 - 10 mm	gray	**CES-STPG-GY-10**	**0801682**	10			
10 - 11 mm	gray	**CES-STPG-GY-11**	**0801683**	10			
11 - 12 mm	gray	**CES-STPG-GY-12**	**0801684**	10			
12 - 13 mm	gray	**CES-STPG-GY-13**	**0801685**	10			
13 - 14 mm	gray	**CES-STPG-GY-14**	**0801686**	10			
14 - 15 mm	gray	**CES-STPG-GY-15**	**1410521**	10			
15 - 16 mm	gray	**CES-STPG-GY-16**	**1410534**	10			
16 - 17 mm	gray	**CES-STPG-GY-17**	**1410547**	10			
Cable sleeves, large, slotted, can be used in sealing frames with locking latch and screw locking, for cable diameter of:							
14 - 15 mm	gray				**CES-LTPG-GY-15**	**0801687**	10
15 - 16 mm	gray				**CES-LTPG-GY-16**	**0801688**	10
16 - 17 mm	gray				**CES-LTPG-GY-17**	**0801689**	10
17 - 18 mm	gray				**CES-LTPG-GY-18**	**0801690**	10
18 - 19 mm	gray				**CES-LTPG-GY-19**	**0801691**	10
19 - 20 mm	gray				**CES-LTPG-GY-20**	**0801692**	10
20 - 21 mm	gray				**CES-LTPG-GY-21**	**0801693**	10
21 - 22 mm	gray				**CES-LTPG-GY-22**	**0801695**	10
22 - 23 mm	gray				**CES-LTPG-GY-23**	**0801696**	10
23 - 24 mm	gray				**CES-LTPG-GY-24**	**0801697**	10
24 - 25 mm	gray				**CES-LTPG-GY-25**	**0801698**	10
25 - 26 mm	gray				**CES-LTPG-GY-26**	**0801699**	10
26 - 27 mm	gray				**CES-LTPG-GY-27**	**0801700**	10
27 - 28 mm	gray				**CES-LTPG-GY-28**	**0801701**	10
28 - 29 mm	gray				**CES-LTPG-GY-29**	**0801702**	10
29 - 30 mm	gray				**CES-LTPG-GY-30**	**0801703**	10
30 - 31 mm	gray				**CES-LTPG-GY-31**	**0801705**	10
31 - 32 mm	gray				**CES-LTPG-GY-32**	**0801706**	10
32 - 33 mm	gray				**CES-LTPG-GY-33**	**0801707**	10
Cable sleeves, IP65, without bore hole, can be used in sealing frames with locking latch and screw locking							
	gray	**CES-STPG-GY**	**0801715**	10	**CES-LTPG-GY**	**0801716**	10

Cable sleeves, thermoplastics, special formats

– Thermoplastic sleeves exhibit a low level of flammability according to UL 94 V0
– They have a high level of resistance to acids and lyes

Notes:

The CES cable entry system was developed according to DIN EN 50262 (Cable glands for electrical installations).

The cable sleeves must be mounted in accordance with the mounting instructions provided.

Cable sleeves, small, with several bore holes

Cable sleeves, small, for AS interface cables

Technical data

General data		
Material		SEBS
Degree of protection		IP54 / IP55 (when using a CES-B...-SFFS-PLBK sealing frame with screw locking)
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 80

Technical data

General data		
Material		SEBS
Degree of protection		IP54
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable sleeves, with 2 bore holes, small, slotted, can be used in sealing frames with locking latch and screw locking, for cable diameter of:				
2 x 2 mm ... 3 mm	gray	**CES-STPG-GY-2X3**	**1410424**	10
2 x 3 mm ... 4 mm	gray	**CES-STPG-GY-2X4**	**1410438**	10
2 x 4 mm ... 5 mm	gray	**CES-STPG-GY-2X5**	**0801708**	10
2 x 5 mm ... 6 mm	gray	**CES-STPG-GY-2X6**	**0801709**	10
2 x 6 mm ... 7 mm	gray	**CES-STPG-GY-2X7**	**1410110**	10
2 x 7 mm ... 8 mm	gray	**CES-STPG-GY-2X8**	**1410123**	10
2 x 8 mm ... 9 mm	gray	**CES-STPG-GY-2X9**	**1410440**	10
Cable sleeves, with 4 bore holes, small, slotted, can be used in sealing frames with locking latch and screw locking, for cable diameter of:				
4 x 2 mm ... 3 mm	gray	**CES-STPG-GY-4X3**	**0801710**	10
4 x 3 mm ... 4 mm	gray	**CES-STPG-GY-4X4**	**0801711**	10
4 x 4 mm ... 5 mm	gray	**CES-STPG-GY-4X5**	**1410136**	10
4 x 5 mm ... 6 mm	gray	**CES-STPG-GY-4X6**	**1410149**	10
Cable sleeve, IP54, slotted, for **one AS-I**nterface cable, **cable arrangement:**				
L	gray			
R	gray			
Cable sleeve, IP54, slotted, for **two AS-I**nterface cables, **cable arrangement:**				
LL	gray			
RR	gray			
LR	gray			

Ordering data

Type	Order No.	Pcs. / Pkt.
CES-STPG-GY-1ASI-L	**1410068**	10
CES-STPG-GY-1ASI-R	**0801712**	10
CES-STPG-GY-2ASI-LL	**1410071**	10
CES-STPG-GY-2ASI-RR	**0801713**	10
CES-STPG-GY-2ASI-LR	**0801714**	10

Accessories, filler plugs, seals, replacement screws

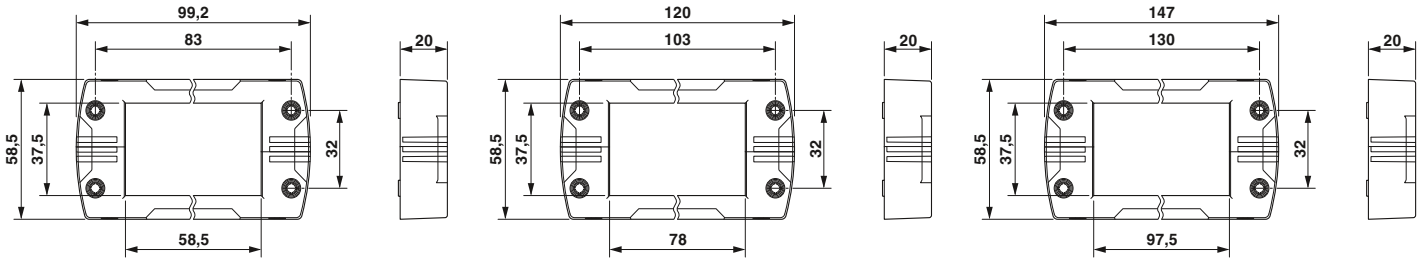
Diameter of 2 to 17 mm

For mounting on CES sealing frames

	Technical data	Technical data
General data		
Material	PA	Stainless steel
Degree of protection	IP54 / IP55 (when using a CES-B...-SFFS-PLBK sealing frame with screw locking)	-
Inflammability class according to UL 94	V0	-
Temperature range [°C]	-20 ... 80	-

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Plugs, for closing unoccupied cable sleeves with a diameter of:							
2 mm	white	**KDT-ST 2**	**1410220**	25			
3 mm	white	**KDT-ST 3**	**3063921**	25			
4 mm	white	**KDT-ST 4**	**3063934**	25			
5 mm	white	**KDT-ST 5**	**3063947**	25			
6 mm	white	**KDT-ST 6**	**3063950**	25			
7 mm	white	**KDT-ST 7**	**3063963**	25			
8 mm	white	**KDT-ST 8**	**3063976**	25			
9 mm	white	**KDT-ST 9**	**3063989**	25			
10 mm	white	**KDT-ST 10**	**3063992**	25			
11 mm	white	**KDT-ST 11**	**3064001**	25			
12 mm	white	**KDT-ST 12**	**3062016**	25			
13 mm	white	**KDT-ST 13**	**3062029**	25			
14 mm	white	**KDT-ST 14**	**3062032**	25			
15 mm	white	**KDT-ST 15**	**3062045**	25			
16 mm	white	**KDT-ST 16**	**3062058**	25			
17 mm	white	**KDT-ST 17**	**3062061**	25			
EMC cable catch rail, for mounting on the **longitudinal side** of the CES sealing frame CES-B16...					**KEL-EMV 16-4**	**3063507**	5
EMC cable catch rail, for mounting on the **longitudinal side** of the CES sealing frame CES-B24...					**KEL-EMV 24-5**	**3063510**	5
EMC cable catch rail, for mounting on the **diagonal side** of the CES sealing frames CES-B16… and CES-24…					**KEL-EMV-F**	**3063523**	5

Dimensional drawings
CES... sealing frame

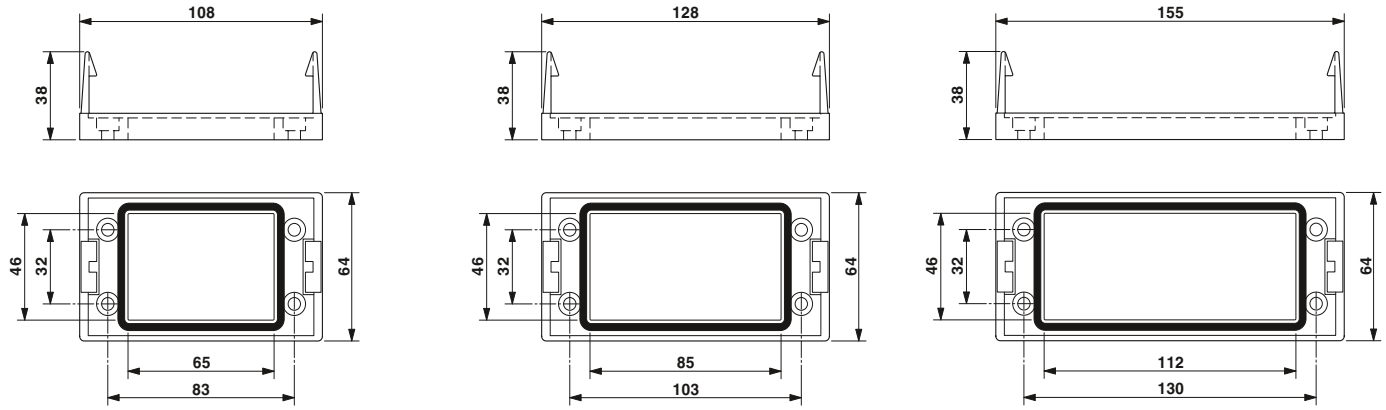


CES-B10-HFFS-PLBK
CES-B10-SFFS-PLBK

CES-B16-HFFS-PLBK
CES-B16-SFFS-PLBK

CES-B24-HFFS-PLBK
CES-B24-SFFS-PLBK

Dimensional drawings
CES... snap-up frame

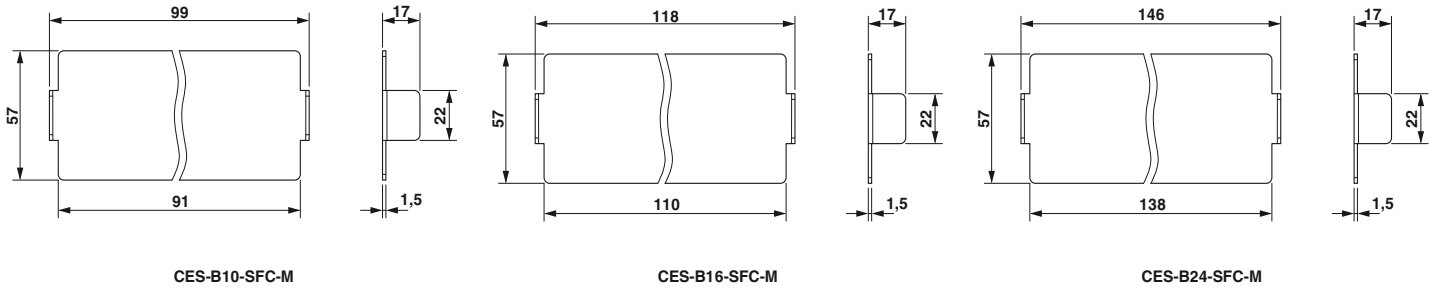


CES-B10-SF-PLBK

CES-B16-SF-PLBK

CES-B24-SF-PLBK

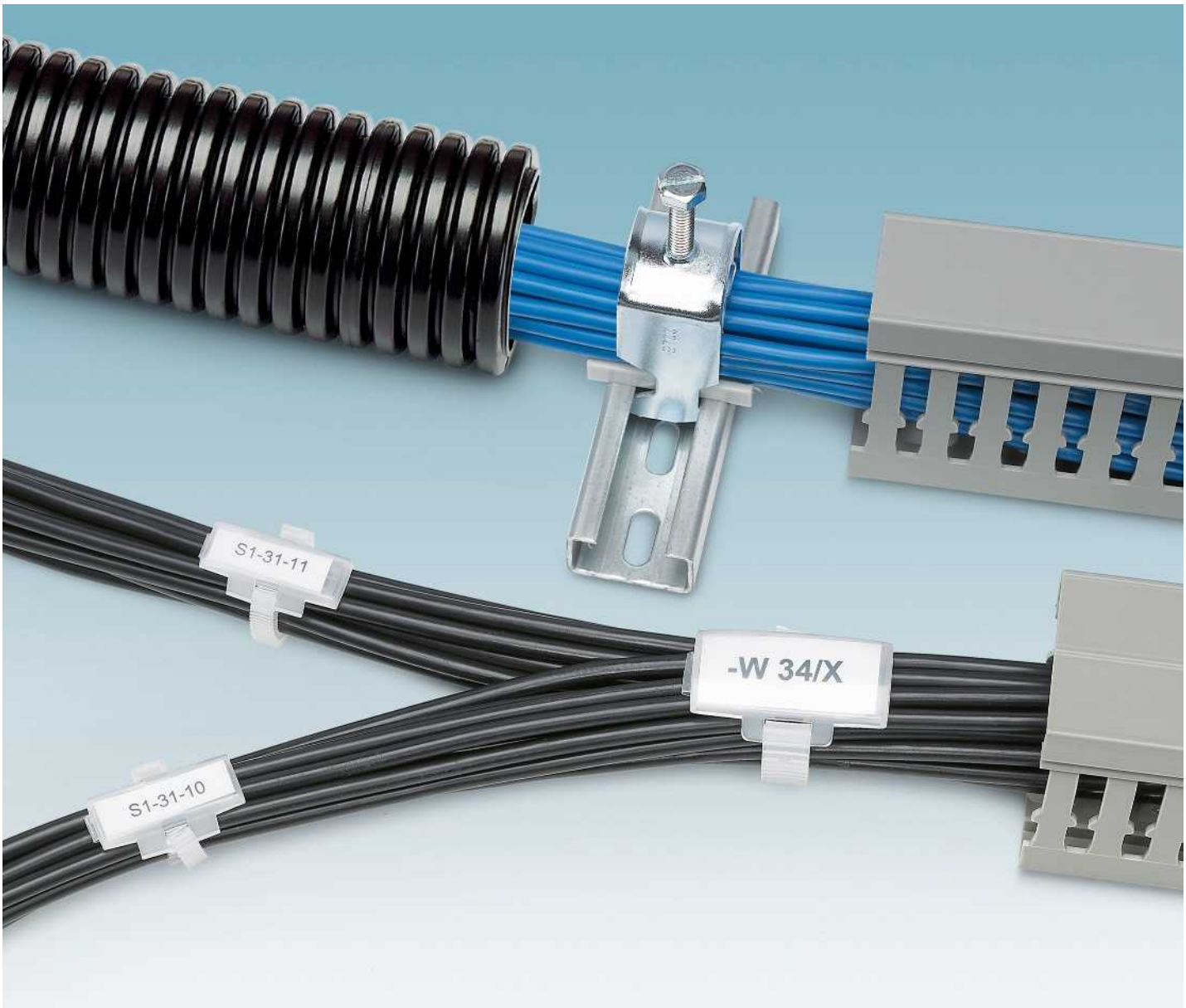
Dimensional drawings
CES... locking plate



CES-B10-SFC-M

CES-B16-SFC-M

CES-B24-SFC-M



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 extensive product range of protective hoses made of plastic and metal offers the ideal solution for every application. Protective hose screw connections with tool-free quick mounting function and various IP degrees of protection 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 labeling area.
Whether you are working in the food industry or the offshore sector, our comprehensive product range offers 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 www.phoenixcontact.net/products

Technical data

General data	
Material	PC/ABS
Components	Halogen-free
Inflammability class according to UL 94	V0
Temperature range [°C]	-25 ... 90

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable duct, 2000 mm long, consisting of **lower** and **upper part**				
W x H: 25 x 25 mm	Light gray	**CD-HF 25X25**	**3240340**	25
W x H: 25 x 40 mm	Light gray	**CD-HF 25X40**	**3240341**	24
W x H: 25 x 60 mm	Light gray	**CD-HF 25X60**	**3240342**	15
W x H: 25 x 80 mm	Light gray	**CD-HF 25X80**	**3240343**	10
W x H: 30 x 40 mm	Light gray	**CD-HF 30X40**	**3240344**	20
W x H: 30 x 60 mm	Light gray	**CD-HF 30X60**	**3240345**	24
W x H: 30 x 80 mm	Light gray	**CD-HF 30X80**	**3240346**	12
W x H: 30 x 100 mm	Light gray	**CD-HF 30X100**	**3240347**	12
W x H: 40 x 40 mm	Light gray	**CD-HF 40X40**	**3240348**	25
W x H: 40 x 60 mm	Light gray	**CD-HF 40X60**	**3240349**	20
W x H: 40 x 80 mm	Light gray	**CD-HF 40X80**	**3240350**	10
W x H: 40 x 100 mm	Light gray	**CD-HF 40X100**	**3240351**	10
W x H: 60 x 40 mm	Light gray	**CD-HF 60X40**	**3240352**	20
W x H: 60 x 60 mm	Light gray	**CD-HF 60X60**	**3240353**	12
W x H: 60 x 80 mm	Light gray	**CD-HF 60X80**	**3240354**	10
W x H: 60 x 100 mm	Light gray	**CD-HF 60X100**	**3240355**	8
W x H: 80 x 25 mm	Light gray	**CD-HF 80X25**	**3240356**	12
W x H: 80 x 40 mm	Light gray	**CD-HF 80X40**	**3240357**	15
W x H: 80 x 60 mm	Light gray	**CD-HF 80X60**	**3240358**	10
W x H: 80 x 80 mm	Light gray	**CD-HF 80X80**	**3240359**	6
W x H: 80 x 100 mm	Light gray	**CD-HF 80X100**	**3240360**	8
W x H: 100 x 40 mm	Light gray	**CD-HF 100X40**	**3240361**	10
W x H: 100 x 60 mm	Light gray	**CD-HF 100X60**	**3240362**	8
W x H: 100 x 80 mm	Light gray	**CD-HF 100X80**	**3240363**	6
W x H: 100 x 100 mm	Light gray	**CD-HF 100X100**	**3240364**	6
W x H: 120 x 60 mm	Light gray	**CD-HF 120X60**	**3240365**	6
W x H: 120 x 80 mm	Light gray	**CD-HF 120X80**	**3240366**	4

Accessories

Upper cable duct part, 2000 mm long			
For a width of 25 mm	**CD-HF COVER 25**	**3240369**	14
For a width of 30 mm	**CD-HF COVER 30**	**3240370**	10
For a width of 40 mm	**CD-HF COVER 40**	**3240371**	14
For a width of 60 mm	**CD-HF COVER 60**	**3240372**	10
For a width of 80 mm	**CD-HF COVER 80**	**3240373**	10
For a width of 100 mm	**CD-HF COVER 100**	**3240367**	7
For a width of 120 mm	**CD-HF COVER 120**	**3240368**	6
Universal wire holding bracket, pre-perforated for cable duct widths of 40, 60, 80, and 100 mm	**CD WR**	**3240284**	10
Plastic body-bound rivet, 4 mm diameter, for a material thickness of 1.5 ... 6 mm	**RVT-PA 4**	**3240498**	100
6 mm diameter, material thickness of 2 ... 8 mm	**RVT-PA 6**	**3240499**	100
Rivet setting tool, for use with RVT–PA 4 plastic body-bound rivets	**UNIFOX-RVT P 4**	**1212478**	1
Rivet setting tool, for use with RVT–PA 6 plastic body-bound rivets	**UNIFOX-RVT P 6**	**1212509**	1

Cable ducts and accessories

– Installed conductors are securely held in place by means of wire retaining clips that can be snapped onto bars on the side
– The wide, diagonal heads of the cable duct bars make it easy to fit the cover and hold it securely in place

– 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: www.phoenixcontact.net/products.

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

Description
Cable duct, 2000 mm long, consisting of **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

Ordering data

Type	Order No.	Pcs. / Pkt.
CD 25X25	3240187	25
CD 25X40	3240188	24
CD 25X60	3240191	15
CD 25X80	3240197	10
CD 30X40	3240278	20
CD 30X60	3240280	24
CD 30X80	3240282	12
CD 30X100	3240283	12
CD 40X40	3240189	25
CD 40X60	3240192	20
CD 40X80	3240198	10
CD 40X100	3240294	10
CD 60X40	3240190	20
CD 60X60	3240193	12
CD 60X80	3240199	10
CD 60X100	3240263	8
CD 80X25	3240281	12
CD 80X40	3240335	15
CD 80X60	3240194	10
CD 80X80	3240200	6
CD 80X100	3240264	8
CD 100X40	3240279	10
CD 100X60	3240195	8
CD 100X80	3240201	6
CD 100X100	3240205	6
CD 120X60	3240196	6
CD 120X80	3240202	4

Accessories

CD 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

Technical data

PVC
V0
-5 ... 60

Ordering data

Type	Order No.	Pcs. / Pkt.
CD 25X25 WH	3240616	25
CD 25X40 WH	3240617	24
CD 25X60 WH	3240618	15
CD 25X80 WH	3240619	10
CD 30X40 WH	3240620	20
CD 30X60 WH	3240621	24
CD 30X80 WH	3240622	12
CD 30X100 WH	3240623	12
CD 40X40 WH	3240624	25
CD 40X60 WH	3240625	20
CD 40X80 WH	3240626	10
CD 40X100 WH	3240627	10
CD 60X40 WH	3240628	20
CD 60X60 WH	3240629	12
CD 60X80 WH	3240630	10
CD 60X100 WH	3240631	8
CD 80X25 WH	3240632	12
CD 80X40 WH	3240633	15
CD 80X60 WH	3240634	10
CD 80X80 WH	3240635	6
CD 80X100 WH	3240636	8
CD 100X40 WH	3240637	10
CD 100X60 WH	3240638	8
CD 100X80 WH	3240639	6
CD 100X100 WH	3240640	6
CD 120X60 WH	3240641	6
CD 120X80 WH	3240642	4

Accessories

CD 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

Technical data

PVC
V0
-5 ... 60

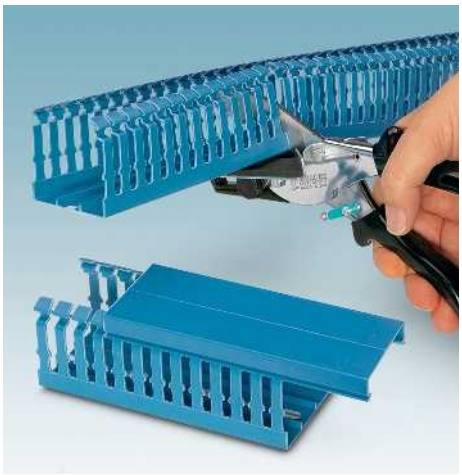
Ordering data

Type	Order No.	Pcs. / Pkt.
CD 25X25 BU	3240301	25
CD 25X40 BU	3240302	24
CD 25X60 BU	3240303	15
CD 25X80 BU	3240304	10
CD 30X40 BU	3240305	20
CD 30X60 BU	3240306	24
CD 30X80 BU	3240307	12
CD 30X100 BU	3240308	12
CD 40X40 BU	3240309	25
CD 40X60 BU	3240310	20
CD 40X80 BU	3240311	10
CD 40X100 BU	3240312	10
CD 60X40 BU	3240313	20
CD 60X60 BU	3240314	12
CD 60X80 BU	3240315	10
CD 60X100 BU	3240316	8
CD 80X25 BU	3240317	12
CD 80X40 BU	3240318	15
CD 80X25 BU	3240317	12
CD 80X80 BU	3240320	6
CD 80X100 BU	3240321	8
CD 100X40 BU	3240322	10
CD 100X60 BU	3240323	8
CD 100X80 BU	3240324	6
CD 100X100 BU	3240325	6
CD 120X60 BU	3240326	6
CD 120X80 BU	3240327	4

Accessories

CD 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

Technical data

Dimensions	Width	Length	Height
	[mm]	-	245	-
General data			
Weight	[kg]	0.43	

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable duct cutter	black	CUTFOX-CD	1212474	1
Cable duct cutters	black	PPS CD M	1207569	1

Accessories

Replacement blade, for PPS CD M	PPS CD BLADE	1207572	1
Replacement counter support (grip protection), for PPS CD M	PPS CD M COHO	1208995	1
Workbench, with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes	PPS TABLE	1206285	1

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

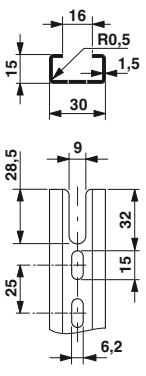
Cable clamps
for a cable diameter of 6 - 64 mm

Technical data

General data	
Material	Steel

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Cable clamp, for DIN rail			
For cable diameters of 6 – 14 mm	**WCC 14**	**3240252**	25
For cable diameters of 12 – 18 mm	**WCC 18**	**3240253**	25
For cable diameters of 18 – 22 mm	**WCC 22**	**3240254**	25
For cable diameters of 22 – 26 mm	**WCC 26**	**3240255**	25
For cable diameters of 26 – 30 mm	**WCC 30**	**3240256**	25
For cable diameters of 30 – 34 mm	**WCC 34**	**3240257**	25
For cable diameters of 34 – 38 mm	**WCC 38**	**3240258**	25
For cable diameters of 38 – 42 mm	**WCC 42**	**3240259**	25
For cable diameters of 42 – 56 mm	**WCC 56**	**3240260**	25
For cable diameters of 56 – 64 mm	**WCC 64**	**3240261**	25
DIN rails, for cable clamps			
	NS 30/15 PERF.2000MM	**3240262**	5



NS 30/15 PERF. 2000MM DIN rail

Protective hoses made of plastic

Notes:

Pcs. / Pkt. specifies the protective hose length in [m].

Slotted, outside diameter of 21.2 - 42.5 mm

The plastic protective hoses offer optimum protection, thanks to the following properties:
– Airtight and liquid tight
– Oil-resistant up to +80°C
– Gasoline-resistant
– Largely resistant to acids and solvents
– Free from silicone, halogen, and cadmium
– UV resistant

The V0 version offers additional protection, thanks to its self-extinguishing property. This makes it suitable for use in the following areas:
– Machine and system engineering
– Vehicle construction
– Rail vehicles
– Shipbuilding
– Automation
– Electrical systems

The transition and end sleeves offer an alternative form of termination to the actual cable gland.
– Can be used wherever it is not possible or necessary to attach a cable gland
– Prevent damage to the conductors being fed through

Technical data

General data	
Material	PA
Components	Free from silicone, halogen, and cadmium
Inflammability class according to UL 94	HB
Temperature range [°C]	-40 ... 105

Ordering data

Description		Color	Type	Order No.	Pcs. / Pkt.
Protective hose, slotted, for retrofitting					
Diameter [mm] Outside/inside	Bending radius [mm] static				
21.2 / 16.5	40	black	**WP-PA HF-SL 21,2 BK**	**3240845**	10
28.5 / 23	45	black	**WP-PA HF-SL 28,5 BK**	**3240846**	10
34.5 / 29	55	black	**WP-PA HF-SL 34,5 BK**	**3240847**	10
42.5 / 36	65	black	**WP-PA HF-SL 42,5 BK**	**3240848**	10
Protective hose					
Diameter [mm] Outside/inside	Bending radius [mm] static/dynamic				
10 / 6.5	13 / 35	black			
13 / 10	20 / 45	black			
15.8 / 12	35 / 55	black			
21.2 / 16.5	45 / 75	black			
28.5 / 23	55 / 100	black			
34.5 / 29	65 / 120	black			
42.5 / 36	90 / 150	black			
Protective hose					
Diameter [mm] Outside/inside	Bending radius [mm] static/dynamic				
10 / 6.5	13 / 35	black			
13 / 10	20 / 45	black			
15.8 / 12	35 / 55	black			
21.2 / 16.5	45 / 75	black			
28.5 / 23	55 / 100	black			
34.5 / 29	65 / 120	black			
42.5 / 36	90 / 150	black			
Transition sleeves, from hose to cable					
Diameter [mm] Outside/inside					
10 / 8		black			
13 / 10		black			
15.8 / 12		black			
21.2 / 16.5		black			
28.2 / 23		black			
34.5 / 29		black			
42.5 / 37		black			
End sleeves					
Diameter [mm] Outside/inside					
10 / 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			

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
HB
-40 ... 115

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-PA HF 10,0 BK	**3240680**	50
WP-PA HF 13,0 BK	**3240681**	50
WP-PA HF 15,8 BK	**3240682**	50
WP-PA HF 21,2 BK	**3240683**	50
WP-PA HF 28,5 BK	**3240684**	50
WP-PA HF 34,5 BK	**3241088**	25
WP-PA HF 42,5 BK	**3241089**	25

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-PA HF-HB 10,0 BK	**3240838**	50
WP-PA HF-HB 13,0 BK	**3240839**	50
WP-PA HF-HB 15,8 BK	**3240840**	50
WP-PA HF-HB 21,2 BK	**3240841**	50
WP-PA HF-HB 28,5 BK	**3240842**	50
WP-PA HF-HB 34,5 BK	**3240843**	25
WP-PA HF-HB 42,5 BK	**3240844**	25

Technical data

TPE
Halogen-free
HB
-40 ... 120

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-EC TPE HF 10,0 BK	**3240974**	50
WP-EC TPE HF 13,0 BK	**3240975**	50
WP-EC TPE HF 15,8 BK	**3240976**	50
WP-EC TPE HF 21,2 BK	**3240977**	50
WP-EC TPE HF 28,5 BK	**3240978**	25
WP-EC TPE HF 34,5 BK	**3240979**	25
WP-EC TPE HF 42,5 BK	**3240980**	25
WP-SC PA HF 10,0 BK	**3240981**	50
WP-SC PA HF 13,0 BK	**3240982**	50
WP-SC PA HF 15,8 BK	**3240983**	50
WP-SC PA HF 21,2 BK	**3240984**	50
WP-SC PA HF 28,5 BK	**3240985**	25
WP-SC PA HF 34,5 BK	**3240986**	25
WP-SC PA HF 42,5 BK	**3240987**	25

Screw connections for plastic protective hoses

The plastic screw connections with straight design are available in IP66 and IP69K protection classes.
They offer the following features:
– Vibration-resistant, automatic protective hose latching
– Pg or metric thread
– Resistant to oil and gasoline
– Resistant to acids and solvents
– Free from silicone, halogen, and cadmium

Tool-free protective hose mounting

– Secure, reliable, and easy latching in the hose screw connection, see figure below

Notes:

For accessories and dimensional drawings, see www.phoenixcontact.net/products.

IP66 degree of protection, Pg7 - Pg36 thread

Technical data

General data	
Material	PA
Components	Free from silicone, halogen, and cadmium
Degree of protection	IP66
Thread type	Pg
Inflammability class according to UL 94	V0
Temperature range [°C]	-40 ... 115

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Screw connection, IP66, straight, with Pg thread, for protective hose outside diameter [mm]				
10	black	**WP-G HF IP66 PG7 BK**	**3240888**	50
13	black	**WP-G HF IP66 PG9 BK**	**3240889**	50
15.8	black	**WP-G HF IP66 PG11 BK**	**3240890**	50
21.2	black	**WP-G HF IP66 PG16 BK**	**3240891**	50
28.5	black	**WP-G HF IP66 PG21 BK**	**3240892**	25
34.5	black	**WP-G HF IP66 PG29 BK**	**3240893**	25
42.5	black	**WP-G HF IP66 PG36 BK**	**3240894**	25
Screw connection, IP66, straight, with metric thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
42.5	black			
Screw connection, IP69K, straight, with Pg thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
42.5	black			
Screw connection, IP69K, straight, with metric thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
42.5	black			

Accessories

Counter nuts and seals	see page 568 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

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-G HF IP66 M10 BK	**3240895**	50
WP-G HF IP66 M12 BK	**3240896**	50
WP-G HF IP66 M16 BK	**3240897**	50
WP-G HF IP66 M20 BK	**3240898**	50
WP-G HF IP66 M25 BK	**3240899**	25
WP-G HF IP66 M32 BK	**3240900**	25
WP-G HF IP66 M40 BK	**3240901**	25

Accessories

see page 568 onwards

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-G HF IP69K PG7 BK	**3240874**	50
WP-G HF IP69K PG9 BK	**3240875**	50
WP-G HF IP69K PG11 BK	**3240876**	50
WP-G HF IP69K PG16 BK	**3240877**	50
WP-G HF IP69K PG21 BK	**3240878**	25
WP-G HF IP69K PG29 BK	**3240879**	25
WP-G HF IP69K PG36 BK	**3240880**	25

Accessories

see page 568 onwards

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-G HF IP69K M10 BK	**3240881**	50
WP-G HF IP69K M12 BK	**3240882**	50
WP-G HF IP69K M16 BK	**3240883**	50
WP-G HF IP69K M20 BK	**3240884**	50
WP-G HF IP69K M25 BK	**3240885**	25
WP-G HF IP69K M32 BK	**3240886**	25
WP-G HF IP69K M40 BK	**3240887**	25

Accessories

see page 568 onwards

Screw connections, angled, for plastic protective hoses

The plastic screw connections with angled design are available in IP66 and IP69K protection classes. They offer the following features:

– Vibration-resistant, automatic protective hose latching
– Pg or metric thread
– Resistant to oil and gasoline
– Resistant to acids and solvents
– Free from silicone, halogen, and cadmium

Tool-free protective hose mounting

– Secure, reliable, and easy latching in the hose screw connection

Notes:

For accessories and dimensional drawings, see www.phoenixcontact.net/products.

IP66 degree of protection, Pg7 - Pg36 thread

Technical data

General data		
Material		PA
Components		Free from silicone, halogen, and cadmium
Degree of protection		IP66
Thread type		Pg
Inflammability class according to UL 94		HB
Temperature range	[°C]	-40 ... 115

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Screw connection, IP66, 90° angled, with Pg thread, for protective hose outside diameter [mm]				
10	black	**WP-GA HF IP66 PG7 BK**	**3240916**	50
13	black	**WP-GA HF IP66 PG9 BK**	**3240917**	50
15.8	black	**WP-GA HF IP66 PG11 BK**	**3240918**	50
21.2	black	**WP-GA HF IP66 PG16 BK**	**3240919**	50
28.5	black	**WP-GA HF IP66 PG21 BK**	**3240920**	25
34.5	black	**WP-GA HF IP66 PG29 BK**	**3240921**	10
42.5	black	**WP-GA HF IP66 PG36 BK**	**3240922**	10
Screw connection, IP66, 90° angled, with metric thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
42.5	black			
Screw connection, IP69K, 90° angled, with Pg thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
42.5	black			
Screw connection, IP69K, 90° angled, with metric thread, for protective hose outside diameter [mm]				
10	black			
13	black			
15.8	black			
21.2	black			
28.5	black			
34.5	black			
42.5	black			

Accessories

Counter nuts and seals	see page 568 onwards

IP66 degree of protection, M10 - M40 metric thread

IP69K degree of protection, Pg7 - Pg36 thread

IP69K degree of protection, M10 - M40 metric thread

Technical data

PA
Free from silicone, halogen, and cadmium
IP66
metric
HB
-40 ... 115

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-GA HF IP66 M10 BK	**3240923**	50
WP-GA HF IP66 M12 BK	**3240924**	50
WP-GA HF IP66 M16 BK	**3240925**	50
WP-GA HF IP66 M20 BK	**3240926**	50
WP-GA HF IP66 M25 BK	**3240927**	50
WP-GA HF IP66 M32 BK	**3240928**	25
WP-GA HF IP66 M40 BK	**3240929**	10

Accessories

see page 568 onwards

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-GA HF IP69K PG7 BK	**3240902**	50
WP-GA HF IP69K PG9 BK	**3240903**	50
WP-GA HF IP69K PG11 BK	**3240904**	50
WP-GA HF IP69K PG16 BK	**3240905**	50
WP-GA HF IP69K PG21 BK	**3240906**	25
WP-GA HF IP69K PG29 BK	**3240907**	10
WP-GA HF IP69K PG36 BK	**3240908**	10

Accessories

see page 568 onwards

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-GA HF IP69K M10 BK	**3240909**	50
WP-GA HF IP69K M12 BK	**3240910**	50
WP-GA HF IP69K M16 BK	**3240911**	50
WP-GA HF IP69K M20 BK	**3240912**	50
WP-GA HF IP69K M25 BK	**3240913**	25
WP-GA HF IP69K M32 BK	**3240914**	10
WP-GA HF IP69K M40 BK	**3240915**	10

Accessories

see page 568 onwards

Screw connections with strain relief, for plastic protective hoses

The plastic screw connections with strain relief are available in IP66 and IP69K protection classes.
They offer the following features:
– Vibration-resistant, automatic protective hose latching
– Pg or metric thread
– Integrated cable strain relief
– Resistant to oil and gasoline
– Resistant to acids and solvents
– Free from silicone, halogen, and cadmium

Tool-free protective hose mounting

– Secure, reliable, and easy latching in the hose screw connection

Notes:

For accessories and dimensional drawings, see www.phoenixcontact.net/products.

IP66 degree of protection, Pg7 - Pg36 thread, with strain relief

Technical data

General data		
Material		PA
Components		Free from silicone, halogen, and cadmium
Degree of protection		IP66
Thread type		Pg
Inflammability class according to UL 94		V0
Temperature range	[°C]	-40 ... 115

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Screw connection, IP66, straight, with Pg thread, for protective hose outside diameter [mm]				
10	black	**WP-GR HF IP66 PG7 BK**	**3240944**	20
13	black	**WP-GR HF IP66 PG9 BK**	**3240945**	20
15.8	black	**WP-GR HF IP66 PG11 BK**	**3240946**	20
21.2	black	**WP-GR HF IP66 PG16 BK**	**3240947**	10
28.5	black	**WP-GR HF IP66 PG21 BK**	**3240948**	10
34.5	black	**WP-GR HF IP66 PG29 BK**	**3240949**	10
42.5	black	**WP-GR HF IP66 PG36 BK**	**3240950**	10
Screw connection, IP66, straight, with metric thread, for protective hose outside diameter [mm]				
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			

Accessories

Counter nuts and seals

see page 568 onwards

IP66 degree of protection, M12 - M40 metric thread, with strain relief

Technical data

PA
Free from silicone, halogen, and cadmium
IP66
metric
V0
-40 ... 115

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-GR HF IP66 M12 BK	**3240952**	20
WP-GR HF IP66 M16 BK	**3240953**	20
WP-GR HF IP66 M20 BK	**3240954**	20
WP-GR HF IP66 M25 BK	**3240955**	10
WP-GR HF IP66 M32 BK	**3240956**	10
WP-GR HF IP66 M40 BK	**3240957**	10

Accessories

see page 568 onwards

IP69K degree of protection, Pg7 - Pg36 thread, with strain relief

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-GR HF IP69K PG7 BK	**3240930**	20
WP-GR HF IP69K PG9 BK	**3240931**	20
WP-GR HF IP69K PG11 BK	**3240932**	20
WP-GR HF IP69K PG16 BK	**3240933**	10
WP-GR HF IP69K PG21 BK	**3240934**	10
WP-GR HF IP69K PG29 BK	**3240935**	10
WP-GR HF IP69K PG36 BK	**3240936**	10

Accessories

see page 568 onwards

IP69K degree of protection, M12 - M40 metric thread, with strain relief

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-GR HF IP69K M12 BK	**3240938**	20
WP-GR HF IP69K M16 BK	**3240939**	20
WP-GR HF IP69K M20 BK	**3240940**	20
WP-GR HF IP69K M25 BK	**3240941**	10
WP-GR HF IP69K M32 BK	**3240942**	10
WP-GR HF IP69K M40 BK	**3240943**	10

Accessories

see page 568 onwards

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

General data		
Material		PVC
Components		Free from silicone and cadmium
Inflammability class according to UL 94		-
Temperature range	[°C]	-25 ... 80

Ordering data

Description		Color	Type	Order No.	Pcs. / Pkt.
Protective hose, PVC-coated spiral					
Diameter [mm] Outside/inside	Bending radius [mm] static				
10 / 7	8	gray	**WP-SPIRAL PVC C 10**	**3240849**	10
14 / 10	10	gray	**WP-SPIRAL PVC C 14**	**3240850**	10
17 / 13	13	gray	**WP-SPIRAL PVC C 17**	**3240851**	10
21 / 16	17	gray	**WP-SPIRAL PVC C 21**	**3240852**	10
27 / 22	20	gray	**WP-SPIRAL PVC C 27**	**3240853**	10
36 / 29	24	gray	**WP-SPIRAL PVC C 36**	**3240854**	10
45 / 38	36	gray	**WP-SPIRAL PVC C 45**	**3240855**	10
Protective hose, PU-coated spiral					
Diameter [mm] Outside/inside	Bending radius [mm] static				
10 / 7	8	blue			
14 / 10	10	blue			
17 / 13	13	blue			
21 / 16	17	blue			
27 / 22	20	blue			
36 / 29	24	blue			
45 / 38	36	blue			
End sleeves					
Diameter [mm] Outside/inside	Cable diameter [mm]				
10 / 7	6	gray			
14 / 10	9	gray			
17 / 13	11.5	gray			
21 / 16	14.5	gray			
27 / 21	19.5	gray			
36 / 29	26.5	gray			
45 / 38	36	gray			

Protective hose, PU coated spiral, outside diameter of 10 - 45 mm

End sleeve for protective hose diameter of 10 - 45 mm

Technical data

PU	
Free from silicone, halogen, and cadmium	
V2	
-40 ... 80	

Technical data

PP	
Halogen-free	
HB	
-10 ... 110	

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-SPIRAL PU C HF 10	**3240856**	10
WP-SPIRAL PU C HF 14	**3240857**	10
WP-SPIRAL PU C HF 17	**3240858**	10
WP-SPIRAL PU C HF 21	**3240859**	10
WP-SPIRAL PU C HF 27	**3240860**	10
WP-SPIRAL PU C HF 36	**3240861**	10
WP-SPIRAL PU C HF 45	**3240862**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-SC HF 10	**3241016**	50
WP-SC HF 14	**3241017**	50
WP-SC HF 17	**3241018**	50
WP-SC HF 21	**3241019**	50
WP-SC HF 27	**3241020**	25
WP-SC HF 36	**3241021**	25
WP-SC HF 45	**3241022**	20

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

Technical data

General data	
Material	PP
Degree of protection	IP65
Thread type	Pg
Components	Halogen-free
Inflammability class according to UL 94	HB
Temperature range [°C]	-10 ... 110

Ordering data

Description		Color	Type	Order No.	Pcs. / Pkt.
Screw connection, IP65, straight, with Pg thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	6	gray	**WP-G PP HF PG7**	**3240988**	10
14	9	gray	**WP-G PP HF PG9**	**3240989**	10
17	11	gray	**WP-G PP HF PG11**	**3240990**	10
21	14.5	gray	**WP-G PP HF PG16**	**3240991**	10
27	19.5	gray	**WP-G PP HF PG21**	**3240992**	10
36	27	gray	**WP-G PP HF PG29**	**3240993**	2
45	36	gray	**WP-G PP HF PG36**	**3240994**	2
Screw connection, IP65, straight, with metric thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	6	gray			
14	8	gray			
17	11	gray			
21	15	gray			
27	20	gray			
36	27	gray			
45	35	gray			
Screw connection, IP54, rotatable, with Pg thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	5.5	gray			
14	9.5	gray			
17	11.5	gray			
21	14.5	gray			
27	19.5	gray			
36	27	gray			
45	35.5	gray			
Screw connection, IP54, rotatable, with metric thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	5.5	gray			
14	9.5	gray			
17	11.5	gray			
21	14.5	gray			
27	19.5	gray			
36	27	gray			

Accessories

Counter nuts and seals	see page 568 onwards

IP65 degree of protection, M10 - M40 metric thread

IP54 degree of protection, Pg7 - Pg36 thread, rotatable

IP54 degree of protection, M12 - M40 metric thread, rotatable

Technical data

	PP
	IP65
	metric
	Halogen-free
	HB
	-10 ... 110

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-G PP HF M10	**3240995**	10
WP-G PP HF M12	**3240996**	10
WP-G PP HF M16	**3240997**	10
WP-G PP HF M20	**3240998**	10
WP-G PP HF M25	**3240999**	10
WP-G PP HF M32	**3241000**	2
WP-G PP HF M40	**3241001**	2

Accessories

see page 568 onwards

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-GT PP HF PG7	**3241002**	10
WP-GT PP HF PG9	**3241003**	10
WP-GT PP HF PG11	**3241004**	10
WP-GT PP HF PG16	**3241005**	10
WP-GT PP HF PG21	**3241006**	10
WP-GT PP HF PG29	**3241007**	2
WP-GT PP HF PG36	**3241008**	2

Accessories

see page 568 onwards

Technical data

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

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-GT PP HF M12	**3241010**	10
WP-GT PP HF M16	**3241011**	10
WP-GT PP HF M20	**3241012**	10
WP-GT PP HF M25	**3241013**	10
WP-GT PP HF M32	**3241014**	10
WP-GT PP HF M40	**3241015**	2

Accessories

see page 568 onwards

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

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

Ordering data

Description		Color	Type	Order No.	Pcs. / Pkt.
Protective hose					
Diameter [mm] Outside/inside	Bending radius [mm] static				
10 / 8	28	silver	**WP-STEEL ZC 10**	**3240697**	10
14 / 11	34	silver	**WP-STEEL ZC 14**	**3240865**	10
17 / 14	40	silver	**WP-STEEL ZC 17**	**3240698**	10
21 / 18	50	silver	**WP-STEEL ZC 21**	**3240699**	10
27 / 23	63	silver	**WP-STEEL ZC 27**	**3240866**	10
36 / 31	85	silver	**WP-STEEL ZC 36**	**3240700**	10
45 / 40	100	silver	**WP-STEEL ZC 45**	**3240701**	10
Protective hose					
Diameter [mm] Outside/inside	Bending radius [mm] static				
10 / 8	22	silver			
14 / 11	25	silver			
17 / 14	40	silver			
21 / 18	50	silver			
27 / 23	63	silver			
36 / 31	85	silver			
45 / 40	100	silver			
End sleeves					
Outside diameter of hose [mm]	Cable diameter [mm]				
10	6.5	Brass			
14	10	Brass			
17	12.5	Brass			
21	16.5	Brass			
27	21.5	Brass			
36	29.5	Brass			
45	38	Brass			

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

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 [°C]	-40 ... 125

Ordering data

Description		Color	Type	Order No.	Pcs. / Pkt.
Screw connection, IP40, with Pg thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	6.5	Brass	**WP-G BRASS IP40 PG7**	**3241037**	10
14	10	Brass	**WP-G BRASS IP40 PG9**	**3241038**	10
17	12.5	Brass	**WP-G BRASS IP40 PG11**	**3241039**	10
21	16	Brass	**WP-G BRASS IP40 PG16**	**3241040**	10
27	21.5	Brass	**WP-G BRASS IP40 PG21**	**3241041**	10
36	29	Brass	**WP-G BRASS IP40 PG29**	**3241042**	2
45	38	Brass	**WP-G BRASS IP40 PG36**	**3241043**	2
Screw connection, IP40, with metric thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	6.5	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]				
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]				
10	6	Brass			
14	9	Brass			
17	12	Brass			
21	15.5	Brass			
27	20.5	Brass			
36	27.5	Brass			
45	35	Brass			

IP40 degree of protection, M10 - M40 metric thread

IP40 degree of protection, Pg7 - Pg36 thread, rotatable

IP40 degree of protection, M10 - M40 metric thread, rotatable

Technical data

Brass
IP40
metric
-40 ... 125

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-G BRASS IP40 M10	**3241044**	10
WP-G BRASS IP40 M12	**3241045**	10
WP-G BRASS IP40 M16	**3241046**	10
WP-G BRASS IP40 M20	**3241047**	10
WP-G BRASS IP40 M25	**3241048**	10
WP-G BRASS IP40 M32	**3241049**	2
WP-G BRASS IP40 M40	**3241050**	2

Technical data

Brass
IP40
Pg
-40 ... 250

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-GT BRASS PG7	**3241023**	10
WP-GT BRASS PG9	**3241024**	10
WP-GT BRASS PG11	**3241025**	10
WP-GT BRASS PG16	**3241026**	10
WP-GT BRASS PG21	**3241027**	10
WP-GT BRASS PG29	**3241028**	2
WP-GT BRASS PG36	**3241029**	2

Technical data

Brass
IP40
metric
-40 ... 250

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-GT BRASS M10	**3241030**	10
WP-GT BRASS M12	**3241031**	10
WP-GT BRASS M16	**3241032**	10
WP-GT BRASS M20	**3241033**	10
WP-GT BRASS M25	**3241034**	10
WP-GT BRASS M32	**3241035**	2
WP-GT BRASS M40	**3241036**	2

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		Steel, galvanized/PVC
Degree of protection		-
Thread type		-
Temperature range	[°C]	-25 ... 80

Technical data

Brass		
IP65		
Pg		
-40 ... 125		

Ordering data

Description		Color	Type	Order No.	Pcs. / Pkt.
Protective hose, in galvanized steel, PVC-coated					
Diameter [mm] Outside/inside	Bending radius [mm] static				
10 / 7	95	black	**WP-STEEL PVC C 10**	**3240867**	10
14 / 10	105	black	**WP-STEEL PVC C 14**	**3240868**	10
17 / 13	115	black	**WP-STEEL PVC C 17**	**3240869**	10
21 / 17	110	black	**WP-STEEL PVC C 21**	**3240870**	10
27 / 22	135	black	**WP-STEEL PVC C 27**	**3240871**	10
36 / 29	145	black	**WP-STEEL PVC C 36**	**3240872**	10
45 / 38	215	black	**WP-STEEL PVC C 45**	**3240873**	10
End sleeves, in brass					
Outside diameter of hose [mm]	Cable diameter [mm]				
10	6	Brass	**WP-SC BRASS WP PVC 10**	**3241072**	50
14	8.5	Brass	**WP-SC BRASS WP PVC 14**	**3241073**	50
17	11.5	Brass	**WP-SC BRASS WP PVC 17**	**3241074**	50
21	15.5	Brass	**WP-SC BRASS WP PVC 21**	**3241075**	50
27	20.5	Brass	**WP-SC BRASS WP PVC 27**	**3241076**	25
36	27.5	Brass	**WP-SC BRASS WP PVC 36**	**3241077**	25
45	36.5	Brass	**WP-SC BRASS WP PVC 45**	**3241078**	20
Screw connection, IP65, with Pg thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	6	Brass	**WP-G BRASS IP65 PG7**	**3241051**	10
14	8.5	Brass	**WP-G BRASS IP65 PG9**	**3241052**	10
17	11.5	Brass	**WP-G BRASS IP65 PG11**	**3241053**	10
21	15.5	Brass	**WP-G BRASS IP65 PG16**	**3241054**	10
27	20.5	Brass	**WP-G BRASS IP65 PG21**	**3241055**	10
36	27.5	Brass	**WP-G BRASS IP65 PG29**	**3241056**	2
45	35	Brass	**WP-G BRASS IP65 PG36**	**3241057**	2
Screw connection, IP65, with metric thread					
Outside diameter of protective hose [mm]	Cable diameter [mm]				
10	6	Brass	**WP-G BRASS IP65 M10**	**3241058**	10
14	8.5	Brass	**WP-G BRASS IP65 M12**	**3241059**	10
17	11.5	Brass	**WP-G BRASS IP65 M16**	**3241060**	10
21	15.5	Brass	**WP-G BRASS IP65 M20**	**3241061**	10
27	20.5	Brass	**WP-G BRASS IP65 M25**	**3241062**	10
36	27.5	Brass	**WP-G BRASS IP65 M32**	**3241063**	2
45	35	Brass	**WP-G BRASS IP65 M40**	**3241064**	2

Spiral hoses

Easy bundling and routing of cables and conductors
– Fast and easy to use
– Can be retrofitted
– The spiral structure means that individual conductors and cables can be led out at any point
– Offer protection under light mechanical strain

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

Spiral hose,
for bundle diameters of 2 mm - 150 mm

Technical data

General data		
Material		PE
Components		free from silicone and halogen
Inflammability class according to UL 94		HB
Temperature range	[°C]	-50 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Spiral hose, for bundle diameters				
2 - 15 mm	transparent	**WG-S HF 15**	**3241109**	50
4 - 20 mm	transparent	**WG-S HF 20**	**3241111**	25
7 - 40 mm	transparent	**WG-S HF 40**	**3241113**	25
12 - 50 mm	transparent	**WG-S HF 50**	**3241115**	25
13 - 70 mm	transparent	**WG-S HF 70**	**3241117**	25
15 - 80 mm	transparent	**WG-S HF 80**	**3241119**	20
20 - 120 mm	transparent	**WG-S HF 120**	**3241121**	25
25 - 150 mm	transparent	**WG-S HF 150**	**3241123**	20
Spiral hose, for bundle diameters				
2 - 15 mm	black	**WG-S HF 15 BK**	**3241110**	50
4 - 20 mm	black	**WG-S HF 20 BK**	**3241112**	25
7 - 40 mm	black	**WG-S HF 40 BK**	**3241114**	25
12 - 50 mm	black	**WG-S HF 50 BK**	**3241116**	25
13 - 70 mm	black	**WG-S HF 70 BK**	**3241118**	25
15 - 80 mm	black	**WG-S HF 80 BK**	**3241120**	20
20 - 120 mm	black	**WG-S HF 120 BK**	**3241122**	25
25 - 150 mm	black	**WG-S HF 150 BK**	**3241124**	20

Accessories

Electrician's scissors, high cutting performance thanks to micro-serrated cutting area, suitable for copper, aluminum, Kevlar fibers, and plastic, two-component non-slip soft-grip handles, ergonomic design, adjustable screw joint		
CUTFOX-ES	**1212621**	1

Accessories for protective hose mounting

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

Technical data

General data	
Material	PA

Ordering data

Description		Color	Type	Order No.	Pcs. / Pkt.
Protective hose holder with cover, screwable, made of plastic					
Outside diameter of protective hose [mm]	Hole diameter [mm]				
10	10	black	**WP-BASE C PA HF 10,0 BK**	**3240958**	50
13	13	black	**WP-BASE C PA HF 13,0 BK**	**3240959**	50
15.8	15.8	black	**WP-BASE C PA HF 15,8 BK**	**3240960**	50
21.2	21.2	black	**WP-BASE C PA HF 21,2 BK**	**3240961**	50
28.5	28.2	black	**WP-BASE C PA HF 28,2 BK**	**3240962**	25
34.5	34.5	black	**WP-BASE C PA HF 34,5 BK**	**3240963**	25
42.5	42.5	black	**WP-BASE C PA HF 42,5 BK**	**3240964**	25
Protective hose clip, screwable					
Outside diameter of protective hose [mm]	Hole diameter [mm]				
10	10	silver/black			
13	13	silver/black			
14	14	silver/black			
15.8	15.8	silver/black			
17	17	silver/black			
22	22	silver/black			
29	29	silver/black			
36	37	silver/black			
45	45	silver/black			
Fixing bracket, screwable					
Screw connection	Hole diameter [mm]				
Pg16	23	silver			
Pg21	29	silver			
Pg29	37.5	silver			
Pg36	47.5	silver			
Fixing bracket, screwable					
Screw connection	Hole diameter [mm]				
M16	17	silver			
M20	21	silver			
M25	26	silver			
M32	33	silver			
M40	43	silver			

Protective hose clip

Fixing bracket, screw version, for Pg screw connection

Fixing bracket, screw version, for metric screw connection

Technical data

Steel, galvanized

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-BASE HF 9-10	3240965	50
WP-BASE HF 13	3240966	50
WP-BASE HF 14	3240967	50
WP-BASE HF 15,8	3240968	50
WP-BASE HF 17	3240969	50
WP-BASE HF 22	3240970	50
WP-BASE HF 29	3240971	50
WP-BASE HF 37	3240972	50
WP-BASE HF 45	3240973	25

Technical data

Steel, galvanized

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-BASE A PG16	3241079	25
WP-BASE A PG21	3241080	25
WP-BASE A PG29	3241081	25
WP-BASE A PG36	3241082	25

Technical data

Steel, galvanized

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-BASE A M16	3241083	25
WP-BASE A M20	3241084	25
WP-BASE A M25	3241085	25
WP-BASE A M32	3241086	25
WP-BASE A M40	3241087	25

Accessories for protective hose mounting

N

Counter nut, M12 - M40, plastic

WP-CN ...

The counter nuts are used to lock protective hose screw connections in the case of bore holes without a thread.

– Counter nuts made of brass or plastic
– The fiberglass-reinforced polyamide ensures a high degree of mechanical stability
– Metric thread according to EN 50262, making the counter nut suitable for universal use

Technical data

General data	
Material	Polyamide fiberglass reinforced

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Counter nut, plastic, for protective hose screw connections with metric thread				
for M12	gray	**WP-CN PA M12**	**3241132**	100
for M16	gray	**WP-CN PA M16**	**3241133**	100
for M20	gray	**WP-CN PA M20**	**3241134**	100
for M25	gray	**WP-CN PA M25**	**3241135**	100
for M32	gray	**WP-CN PA M32**	**3241136**	100
for M40	gray	**WP-CN PA M40**	**3241137**	50
Counter nut, plastic, for protective hose screw connections with Pg thread				
for Pg7	gray			
for Pg9	gray			
for Pg11	gray			
for Pg16	gray			
for Pg21	gray			
for Pg29	gray			
for Pg36	gray			
Counter nut, nickel-plated brass, for protective hose screw connections with metric thread				
for M10	silver			
for M12	silver			
for M16	silver			
for M20	silver			
for M25	silver			
for M32	silver			
for M40	silver			
Counter nut, nickel-plated brass, for protective hose screw connections with Pg thread				
for Pg7	silver			
for Pg9	silver			
for Pg11	silver			
for Pg16	silver			
for Pg21	silver			
for Pg29	silver			
for Pg36	silver			

N

Counter nut, Pg7 - Pg36, plastic

N

Counter nut, M10 - M40, brass

N

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

Accessories for protective hose mounting

N

Flat gasket made from Perbunan

WP-FS ...

The Perbunan flat sealing rings are used to seal protective hose screw connections on uneven surfaces. They are inserted between the hose screw connection and the surface, thereby achieving degrees of protection up to IP68.

WP-FS HF...

The Centellen flat sealing rings also provide an optimum seal on uneven surfaces. As well as having IP68 protection and high mechanical stability, the sealing rings are also UV resistant and halogen-free. This enables them to be used outdoors. Properties:

– Resistant to oil, seal against dust and water, UV resistant, halogen-free, high mechanical stability

WP-OR...

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.

Technical data

General data	
Material	Perbunan

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Flat gasket, Perbunan, for protective hose screw connections with metric thread				
for M10	black	**WP-FS IP68 M10**	**3241159**	50
for M12	black	**WP-FS IP68 M12**	**3241160**	50
for M16	black	**WP-FS IP68 M16**	**3241161**	50
for M20	black	**WP-FS IP68 M20**	**3241162**	50
for M25	black	**WP-FS IP68 M25**	**3241163**	50
for M32	black	**WP-FS IP68 M32**	**3241164**	25
for M40	black	**WP-FS IP68 M40**	**3241165**	25
Flat gasket, Perbunan, for protective hose screw connections with Pg thread				
for Pg7	black	**WP-FS IP68 PG7**	**3241166**	50
for Pg9	black	**WP-FS IP68 PG9**	**3241167**	50
for Pg11	black	**WP-FS IP68 PG11**	**3241168**	50
for Pg16	black	**WP-FS IP68 PG16**	**3241169**	50
for Pg21	black	**WP-FS IP68 PG21**	**3241170**	25
for Pg29	black	**WP-FS IP68 PG29**	**3241171**	25
for Pg36	black	**WP-FS IP68 PG36**	**3241172**	25
Flat gasket, Centellen, for protective hose screw connections with metric thread				
for M10	green			
for M12	green			
for M16	green			
for M20	green			
for M25	green			
for M32	green			
for M40	green			
Flat gasket, Centellen, for protective hose screw connections with Pg thread				
for Pg7	green			
for Pg9	green			
for Pg11	green			
for Pg16	green			
for Pg21	green			
for Pg29	green			
for Pg36	green			
O-ring, Perbunan, for protective hose screw connections with metric thread				
for M10	black			
for M12	black			
for M16	black			
for M20	black			
for M25	black			
for M32	black			
for M40	black			
O-ring, Perbunan, for protective hose screw connections with Pg thread				
for Pg7	black			
for Pg9	black			
for Pg11	black			
for Pg16	black			
for Pg21	black			
for Pg29	black			
for Pg36	black			

N

Flat gasket made from Centellen

N

O-ring made from Perbunan

Technical data

Centellen

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-FS HF IP68 M10	3241173	50
WP-FS HF IP68 M12	3241174	50
WP-FS HF IP68 M16	3241175	50
WP-FS HF IP68 M20	3241176	50
WP-FS HF IP68 M25	3241177	50
WP-FS HF IP68 M32	3241178	25
WP-FS HF IP68 M40	3241179	25
WP-FS HF IP68 PG7	3241180	50
WP-FS HF IP68 PG9	3241181	50
WP-FS HF IP68 PG11	3241182	50
WP-FS HF IP68 PG16	3241183	50
WP-FS HF IP68 PG21	3241184	25
WP-FS HF IP68 PG29	3241185	25
WP-FS HF IP68 PG36	3241186	25

Technical data

Perbunan

Ordering data

Type	Order No.	Pcs. / Pkt.
WP-OR M10	3241187	50
WP-OR M12	3241188	50
WP-OR M16	3241189	50
WP-OR M20	3241190	50
WP-OR M25	3241191	50
WP-OR M32	3241192	25
WP-OR M40	3241193	25
WP-OR PG7	3241194	50
WP-OR PG9	3241195	50
WP-OR PG11	3241196	50
WP-OR PG16	3241197	50
WP-OR PG21	3241198	25
WP-OR PG29	3241199	25
WP-OR PG36	3241200	25

Plastic cable marker for insert labels, for assembly with cable binders

Notes:

For corresponding cable binders, see page 574 onwards.

For insert labels measuring 29 x 8 mm

- Plastic cable markers for marking and bundling multiple conductors and cables indoors
- The printed insert label is protected from dirt by the sealing cap
- Labeling service: Phoenix Contact can custom-label all insert labels for plastic cable markers in accordance with your requirements

Technical data

General data		
Material		Polyethylene
Temperature range	[°C]	-40 ... 80
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plastic cable markers for insert labels, with cable binders with a pointed end, can be labeled with ESL..., EMT... or US-EMP... insert labels, diameter: 10 ... 25 mm, lettering field size: 29 x 8 mm	transparent	**KMK**	**1005208**	100
Plastic cable markers for insert labels, with cable binders with a pointed end, can be labeled 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 labeled with EST or ESL, diameter of 1 - 12 mm, lettering field size: 24 x 4 mm	white			
Cable and conductor markers for labels, lettering field size: 20 x 8 mm	white			

Accessories

Insert strips for laser printers, DIN A4, perforated			
Lettering field size: 29 x 8 mm, 1 sheet = 174 labels	**ESL 29X 8**	**0808257**	10
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 p. roll	**EMT (29X8)R**	**0817277**	1
Lettering field size: 40 x 17 mm, 2300 labels p. 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	**US-EMP (29X8)**	**0829436**	10
Textile label, lettering field size: 20 x 8 mm 2500 labels p. roll 2500 labels p. roll			

For insert labels measuring 40 x 17 mm

For insert labels, 12 mm conductor diameter

For adhesive labels, conductor diameter of up to 20 mm

Technical data

Polyethylene
-40 ... 80
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
KMK 3	1005211	50

Accessories

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

Technical data

PA
-40 ... 100
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
LM	1004377	100

Accessories

ESL 24X 4	0808231	10
EMT (24X4)R	0816265	1

Technical data

PA
-40 ... 100
free from silicone and halogen

Ordering data

Type	Order No.	Pcs. / Pkt.
KME	0807083	50

Accessories

EMLC (20X8)R	0815680	1
EML (20X8)R	0816786	1

Plastic cable binders

Cable tie length of 98 - 1000 mm

- For bundling and fastening conductors and cables
- Can be used indoors and outdoors even under unfavorable industrial conditions
- With the UNIFOX-CT ... cable 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

Technical data

General data		
Material		PA 6.6
Components		free from silicone and halogen
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable binder, maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	transparent	**WT-HF 2,5X98**	**3240732**	100
40 / 80	transparent	**WT-HF 2,6X160**	**3240736**	100
52 / 80	transparent	**WT-HF 2,6X200**	**3240740**	100
35 / 130	transparent	**WT-HF 3,6X140**	**3240744**	100
50 / 130	transparent	**WT-HF 3,6X200**	**3240748**	100
80 / 130	transparent	**WT-HF 3,6X290**	**3240752**	100
40 / 220	transparent	**WT-HF 4,5X160**	**3240756**	100
50 / 220	transparent	**WT-HF 4,5X200**	**3240760**	100
79 / 220	transparent	**WT-HF 4,5X290**	**3240764**	100
100 / 220	transparent	**WT-HF 4,5X360**	**3240768**	100
115 / 220	transparent	**WT-HF 4,5X430**	**3240770**	100
80 / 540	transparent	**WT-HF 7,8X300**	**3240772**	100
100 / 540	transparent	**WT-HF 7,8X365**	**3240774**	100
158 / 540	transparent	**WT-HF 7,8X540**	**3240719**	100
233 / 700	transparent	**WT-HF 9X780**	**3240778**	100
143 / 1080	transparent	**WT-HF 12,6X850**	**3240730**	50
302 / 1080	transparent	**WT-HF 12,6X1000**	**3240728**	50
Cable binder, large pack, maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	transparent	**WT-HF 2,5X98-L**	**3240735**	1000
40 / 80	transparent	**WT-HF 2,6X160-L**	**3240739**	1000
52 / 80	transparent	**WT-HF 2,6X200-L**	**3240743**	1000
35 / 130	transparent	**WT-HF 3,6X140-L**	**3240747**	1000
50 / 130	transparent	**WT-HF 3,6X200-L**	**3240751**	1000
80 / 130	transparent	**WT-HF 3,6X290-L**	**3240755**	500
40 / 220	transparent	**WT-HF 4,5X160-L**	**3240759**	1000
50 / 220	transparent	**WT-HF 4,5X200-L**	**3240763**	1000

Accessories

Cable 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	**UNIFOX-CT 4,8**	**1212475**	1
Professional cable binder pliers, 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 4,8P**	**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

Technical data

General data	
Material	PA 6.6
Components	free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range [°C]	-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

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	**UNIFOX-CT 4,8**	**1212475**	1
Professional cable binder pliers, 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 4,8P**	**1212609**	1

Cable binders for outdoor use

Cable tie length of 98 - 365 mm

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

Technical data

General data		
Material		PA 6.6
Components		free from silicone and halogen
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 105

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable binder, maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	black	**WT-UV HF 2,5X98 BK**	**3240831**	100
35 / 130	black	**WT-UV HF 3,6X140 BK**	**3240832**	100
50 / 130	black	**WT-UV HF 3,6X200 BK**	**3240833**	100
50 / 220	black	**WT-UV HF 4,5X200 BK**	**3240834**	100
79 / 220	black	**WT-UV HF 4,5X290 BK**	**3240835**	100
100 / 540	black	**WT-UV HF 7,8X365 BK**	**3240837**	100

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	**UNIFOX-CT 4,8**	**1212475**	1
Professional cable binder pliers, 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 4,8P**	**1212609**	1

Cable binders for use at 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

Technical data

General data	
Material	PA 6.6
Components	free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range [°C]	-40 ... 125

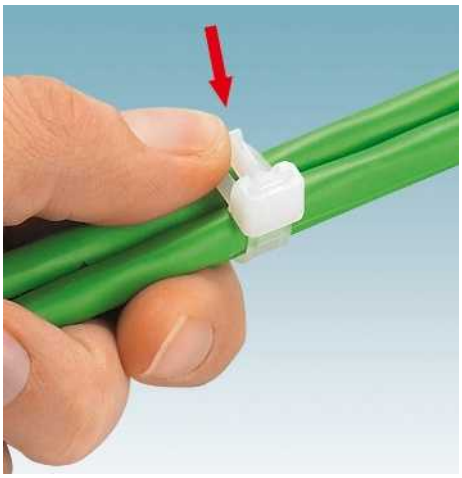
Ordering data

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	**UNIFOX-CT 4,8**	**1212475**	1
Professional cable binder pliers, 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 4,8P**	**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

Cable tie length of 200 - 350 mm

Technical data

General data	
Material	PA 6.6
Components	free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range [°C]	-40 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable binder, maximum bundle Ø [mm]/minimum tensile strength [N]				
50 / 220	transparent	**WT-D HF 7,5X200**	**3240712**	100
65 / 220	transparent	**WT-D HF 7,5X250**	**3240714**	100
100 / 220	transparent	**WT-D HF 7,5X350**	**3240716**	100
Cable binder, maximum bundle Ø [mm]/minimum tensile strength [N]				
50 / 220	black	**WT-D HF 7,5X200 BK**	**3240713**	100
65 / 220	black	**WT-D HF 7,5X250 BK**	**3240715**	100
100 / 220	black	**WT-D HF 7,5X350 BK**	**3240717**	100

Cable binders with lug for direct rivet or screw mounting

Notes:

For corresponding cable binder pliers, see previous page.

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

Cable tie length of 150 - 380 mm

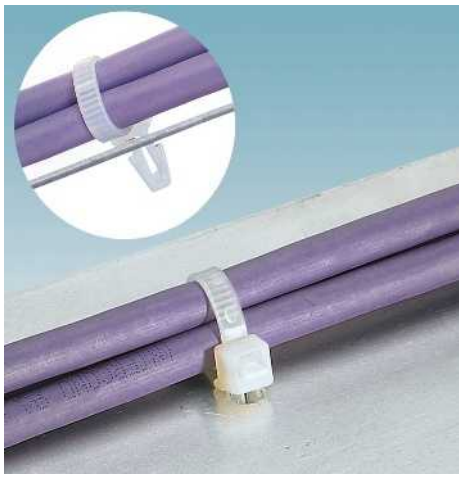
Technical data

General data	
Material	PA 6.6
Components	free from silicone and halogen
Inflammability class according to UL 94	V2
Temperature range [°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable binder, maximum bundle Ø [mm]/minimum tensile strength [N]				
32 / 130 hole diameter **4.5** mm	transparent	**WT-E HF 3,6X150**	**3240718**	100
50 / 220 hole diameter **5.2** mm	transparent	**WT-E HF 4,8X200**	**3240720**	100
44 / 540 hole diameter **6.5** mm	transparent	**WT-E HF 7,8X200**	**3240722**	100
75 / 540 hole diameter **6.5** mm	transparent	**WT-E HF 7,8X300**	**3240724**	100
104 / 540 hole diameter **6.5** mm	transparent	**WT-E HF 7,8X380**	**3240726**	100

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.

Cable tie length of 150 - 200 mm

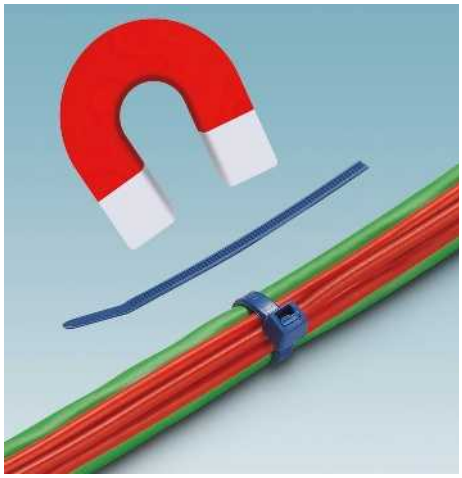
Technical data

General data		
Material		PA 6.6
Components		free from silicone and halogen
Inflammability class according to UL 94		V2
Temperature range	[°C]	-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

Detectable cable binders



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

Notes:

For corresponding cable binder pliers, see previous page.

Cable tie length of 98 - 365 mm

Technical data

General data		
Material		PA 6.6
Components		free from silicone and halogen
Inflammability class according to UL 94		V2
Temperature range	[°C]	-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

Cable binders made of stainless steel AISI 304 (V2A)

Notes:

For corresponding stainless steel cable markers, see page 222.

Cable tie length of 150 - 1067 mm

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

Technical data

General data	
Material	Stainless steel 1.4301/AISI 304
Temperature range [°C]	-80 ... 538

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable 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
50 / 890	silver	**WT-STEEL S 4,6X201**	**3240808**	100
69 / 890	silver	**WT-STEEL S 4,6X259**	**3240809**	100
102 / 890	silver	**WT-STEEL S 4,6X360**	**3240810**	100
152 / 890	silver	**WT-STEEL S 4,6X520**	**3240811**	100
203 / 890	silver	**WT-STEEL S 4,6X679**	**3240812**	100
254 / 890	silver	**WT-STEEL S 4,6X838**	**3240723**	100
305 / 890	silver	**WT-STEEL S 4,6X1067**	**3240805**	100
Cable binder, made of stainless steel (AISI 304), width 7.9 mm, maximum bundle Ø [mm]/minimum tensile strength [N]				
69 / 1335	silver	**WT-STEEL S 7,9X259**	**3240814**	100
102 / 1335	silver	**WT-STEEL S 7,9X360**	**3240815**	100
152 / 1335	silver	**WT-STEEL S 7,9X520**	**3240816**	100
203 / 1335	silver	**WT-STEEL S 7,9X679**	**3240817**	100
254 / 1335	silver	**WT-STEEL S 7,9X838**	**3240725**	100
305 / 1335	silver	**WT-STEEL S 7,9X1067**	**3240813**	100

Accessories

Cable binder pliers, for steel cable binders with a width of up to 7.9 mm, for a material thickness of up to 0.3 mm		
UNIFOX-CT M 7,9	**1212610**	1

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

Technical data

General data	
Material	Stainless steel 1.4401/AISI 316
Temperature range [°C]	-80 ... 538

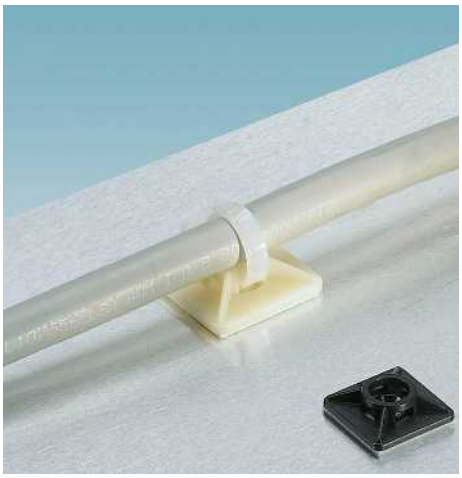
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable binder, made of stainless steel (AISI 316), width 4.6 mm, maximum bundle Ø [mm]/minimum tensile strength [N]				
30 / 890	silver	**WT-STEEL SH 4,6X150**	**3240820**	100
50 / 890	silver	**WT-STEEL SH 4,6X201**	**3240821**	100
69 / 890	silver	**WT-STEEL SH 4,6X259**	**3240822**	100
102 / 890	silver	**WT-STEEL SH 4,6X360**	**3240823**	100
152 / 890	silver	**WT-STEEL SH 4,6X520**	**3240824**	100
203 / 890	silver	**WT-STEEL SH 4,6X679**	**3240825**	100
254 / 890	silver	**WT-STEEL SH 4,6X838**	**3240727**	100
305 / 890	silver	**WT-STEEL SH 4,6X1067**	**3240818**	100
Cable binder, made of stainless steel (AISI 316), width 7.9 mm, maximum bundle Ø [mm]/minimum tensile strength [N]				
69 / 1335	silver	**WT-STEEL SH 7,9X259**	**3240827**	100
102 / 1335	silver	**WT-STEEL SH 7,9X360**	**3240828**	100
152 / 1335	silver	**WT-STEEL SH 7,9X520**	**3240829**	100
203 / 1335	silver	**WT-STEEL SH 7,9X679**	**3240830**	100
254 / 1335	silver	**WT-STEEL SH 7,9X838**	**3240766**	100
305 / 1335	silver	**WT-STEEL SH 7,9X1067**	**3240826**	100

Accessories

Cable binder pliers, for steel cable binders with a width of up to 7.9 mm, for a material thickness of up to 0.3 mm		
UNIFOX-CT M 7,9	**1212610**	1

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

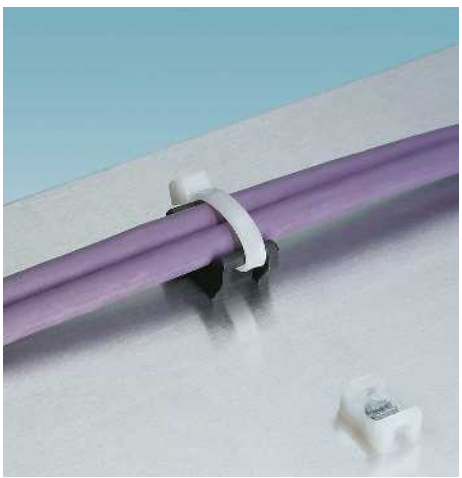
Technical data

General data		
Material		ABS
Inflammability class according to UL 94		HB
Temperature range	[°C]	-40 ... 60

Ordering data

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

Technical data

General data		
Material		PA 6.6
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
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	**WT-BASE HF 5**	**3240702**	100
	black	**WT-BASE HF 5 BK**	**3240703**	100
Cable binder base, for cable binders of up to 9 mm width, screwable, 5 mm fixing hole, dimensions: 14.6 x 22 mm	transparent	**WT-BASE HF 9**	**3240704**	100
	black	**WT-BASE HF 9 BK**	**3240705**	100

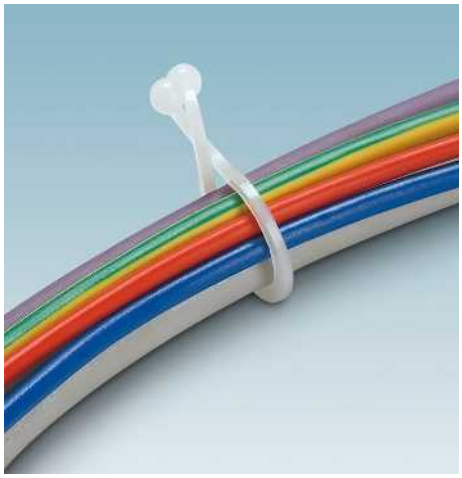
Cable binder base for direct mounting

- 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

Technical data		Technical data	
General data			
Material	PA 6.6	PA 6	
Inflammability class according to UL 94	V2	HB	
Temperature range [°C]	-40 ... 85	-10 ... 65	

Ordering data				Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable binder base, for cable binders of up to 8 mm width, with molded body-bound rivet, 6.5 mm drilling diameter	transparent	**WT-BASE R HF 8**	**3240711**	100			
Cable binder base, for cable binders of up to 9.5 mm width, with fins, 8 mm drilling diameter, can be knocked in	black				**WT-BASE P HF 9,5 BK**	**3240710**	100

Cable drillers, for fast and tool-free bundling of conductors and cables



- Fast and easy to use
- Can be removed again
- Reusable
- Tool-free mounting
- Ideal for temporary bundling
- Halogen-free/silicone-free

Technical data	
General data	
Material	PA 6.6
Inflammability class according to UL 94	V2
Temperature range [°C]	-40 ... 85

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Cable driller				
Bundle diameters 5.1 - 7.6 mm	transparent	**WG-D HF 7,6**	**3241099**	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

Quality in quantity

Integrated management system

The aim of the Phoenix Contact integrated management system is to coordinate all the requirements regarding products, processes, and organization.

Statutory and regulatory requirements, as well as those of international standards and our customers, are met and, in some cases, even exceeded in all phases of the product lifecycle.

The Phoenix Contact management system is monitored by internationally recognized independent bodies each year to ensure that quality, environmental protection, and safety at the workplace have been integrated in conformity with the relevant requirements. Certification in accordance with international standards ISO 9001, ISO 14001, and BS OHSAS 18001 is the result of our corporate philosophy of meeting the needs of our customers, staff, and environment as fully as possible. They serve as the basis for innovative products with the familiar high Phoenix quality standard, actively practiced environmental protection, and responsibility in the field of occupational health and safety. Of course, we integrate all further requirements of standards, international approvals or special customer requirements into company processes.

This system provides a building block for the success of the Phoenix Contact Group and its products and services.

CE marking

The CE mark was introduced as an important instrument for the free movement of goods and services within the single European market. By attaching the mark to a product, the manufacturer confirms that it complies with all applicable European Union (EU) directives. EC directives describe the product properties with regard to device safety and avoiding danger. These are legally binding regulations of the European Union (EU). In other words, compliance with the requirements is a **statutory condition for marketing the product within the EU**.

Where applicable, the products that our company currently manufactures fall within the scope of the following directives:

– 2006/95/EC
Electrical equipment designed 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
Equipment and protective systems intended for use in potentially explosive areas (ATEX Directive 100a)
– 1999/5/EC
Radio equipment and telecommunications terminal equipment (R&TTE)

The standards upon which the specified directives are based have been part of our standard of development for a long time. This guarantees conformance 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.

The EMC Directive occupies a special place among the European directives listed. It defines electromagnetic compatibility as a fundamental property of devices based on mandatory guidelines. European Law therefore acknowledges the electromagnetic compatibility of devices and systems as an important condition for error-free operation of machinery and systems. Phoenix Contact is one of the leading international companies in surge protection, and therefore possesses broad expertise in EMC. This expertise and the experience gained over years of developing and applying industrial interface and communication technology have resulted in our products having an extremely high standard of quality with regard to electromagnetic compatibility. It was with a view to providing other companies with this expertise that our associate company, Phoenix Testlab, was founded. Phoenix Testlab GmbH is an independent, accredited service provider offering EMC testing that conforms to 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. Furthermore, Phoenix Testlab is a "Notified Body" in accordance with EMC Directive 2004/108/EC and according to R&TTE Directive 1999/5/EC for radio and telecommunications terminal equipment. As a "Telecom Certification Body" (TCB), Phoenix Testlab may also approve these products for markets in the USA, Canada, and Japan.

Standards and regulations

All relevant standards and regulations are used as the basis for the development and maintenance of our products.

International standards are subject to continuous changes as a result of harmonization and new developments. In line with this process, the current version of all standards that are relevant to our products is documented in the product area on our website at **www.phoenixcontact.net/products**.

Online product information service on the web

Phoenix Contact's product range is growing constantly.

Due to our commitment to product monitoring, all products are subject to improvement.

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 www.phoenixcontact.com. Here, you will always find the latest overview of products, solutions, and services from Phoenix Contact. This includes technical documents, such as data sheets and user manuals, the latest driver and demo software, plus a means of contacting the appropriate contact person directly.

Materials

Polyamide (PA)

Polyamide has excellent electrical, mechanical, chemical, and thermal properties, even at high operating temperatures. Brief peak temperatures of up to 200°C are permitted as a result of heat aging stabilization. Polyamide absorbs moisture from its surroundings (2.8% on average). However, this moisture is not in the form of crystallization water in the plastic itself, but chemically bonded H_2O groups in the molecule structure. This makes the plastic flexible and resistant to breakage, even at temperatures as low as -60°C. PA belongs to inflammability class V2 to V0 as per UL 94. 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 is silicone- and halogen-free. It absorbs little moisture 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.

Polyolefin

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 in accordance with 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

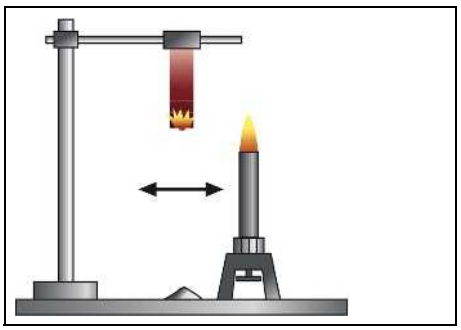
The inflammability tests for plastics have been defined by the Underwriters Laboratory (USA) in regulation UL 94. This applies to all areas of application, but in particular to electrical engineering. Inflammability of the plastic material is examined in the test laboratory in a horizontal (HB - Horizontal 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. Afterwards, the afterburning 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.



Test setup according to UL 94 V0/1/2

Classification

	UL 94 V0	UL 94 V1	UL 94 V2	UL 94 HB
Burning time after each flame treatment	≤ 10 s	≤ 30 s	≤ 10 s	–
Total burning time after 10 flame treatments	≤ 50 s	≤ 250 s	≤ 250 s	–
Glowing time after the 2nd flame treatment	≤ 30 s	≤ 60 s	≤ 60 s	–
Complete burn-off	No	No	No	Yes
Ignition of the absorbent cotton under the sample	No	No	Yes	–

Halogen-free flame protection

DIN EN ISO 1043-4

Halogens are 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 halogen or other additives. Polyamide, polycarbonate, polycarbonate/acrylonitrile butadiene styrene, acrylonitrile butadiene styrene, and polyolefines feature halogen-free flame protection systems.

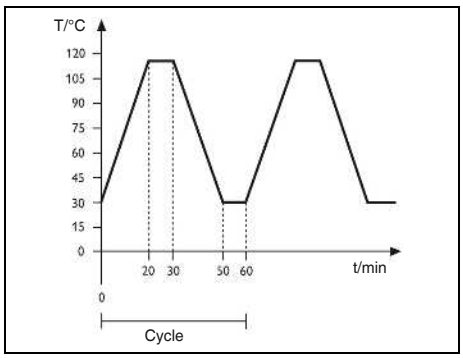
Aging test

IEC 60947-7-1/-2

Modular 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 labeling of these terminal blocks also meets these requirements, Phoenix Contact uses labeling 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

In accordance with 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/labeling 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

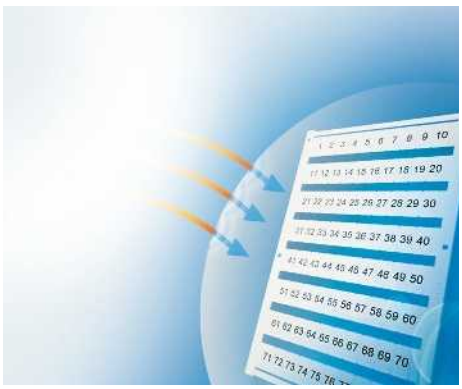
Chemical	Weight %
Oils, greases, aliphatic, and aromatic hydrocarbons	
IRM 902	100
IRM 903	100
ASTM No.1	100
Xylol	100
Test benzene (180/220)	100
Hycut SU 68	100
Hycut SET 46	100
Shell Tellus 92	100
Aqueous salt solutions	
Sodium chloride	5
Potassium chloride	5
Ammonium chloride (ammonia solution)	100

UV light resistance

In accordance with 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 labeling and marking.

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 SO_2 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 eight hours of testing, the test objects 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.

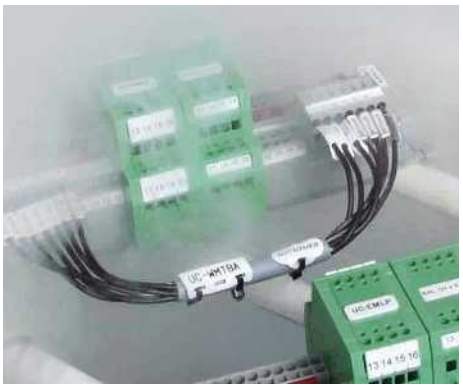
Salt spray

IEC 60068-2-11/-52

Particularly in shipbuilding, technical components have to be marked and must remain permanently legible 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 in a corrosive atmosphere is tested using salt spray. 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

In accordance with EN 60464-2:2001

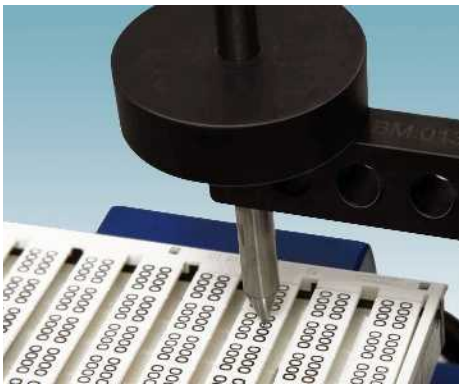
Markings and labels must be resistant to a variety of solvent vapors. Based on the above standard, imprints and labels are stored in acetone, n-hexane, and ethanol for a period of 10 days and must be legible at the end of this time. Phoenix Contact marking materials are solvent-resistant and fulfill the stringent requirements.

Scratch resistance

In accordance with DIN EN ISO 1518

Labels and imprints must also be resistant to external, point, and/or linear mechanical loads.

For this reason, Phoenix Contact tests all labels 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 Lüdenscheid Plastics Institute

Labels and imprints must be resistant to externally applied surface loads. The aforementioned in-house standard prescribes grouping labels and imprints in 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 labels meet the requirements of the highest load class K9 (30,000 strokes with 4 N pressure force).

Abrasion and wipe resistance

According to DIN EN 61010-1

Labels 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 labels 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 secure seating 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 object runs 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, labeling 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/s². 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.

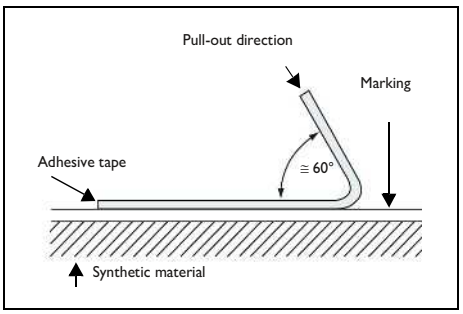
Grid test

In accordance with 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 ± 1 N is attached to the print or label 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.

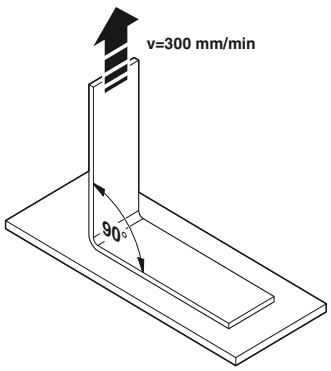


Test setup

Adhesive strength test

In accordance with FINAT test method No. 2

The purpose of this test is to compare the adhesive strength of labels on various 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 N/25 mm. The test therefore enables the most suitable label for the application to be selected.



Cutting

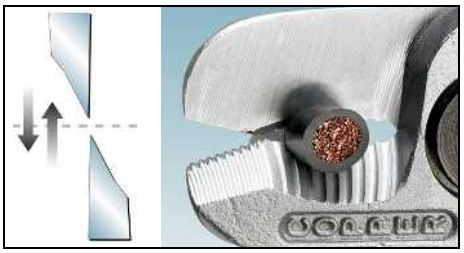
Shear cutting

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.

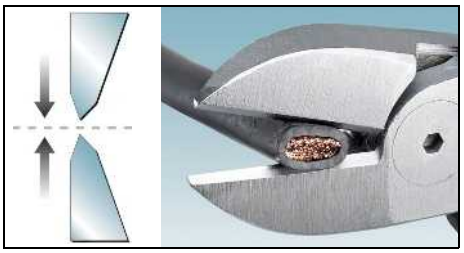
Bite cutting

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



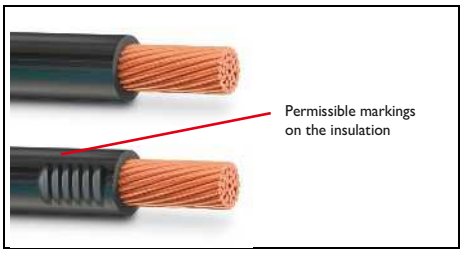
Bite cutting

Stripping

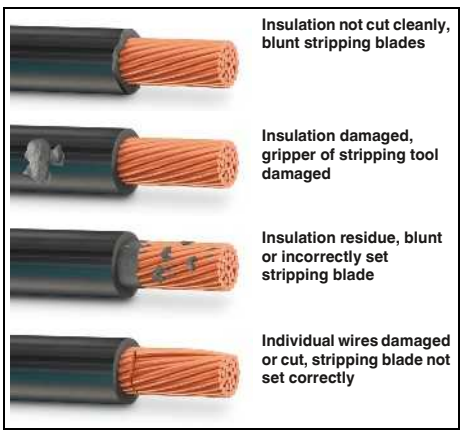
Stripping describes removing the insulation of conductors up to 16 mm². In the case of larger conductor cross sections and multiple-wire and multi-layer conductors and cables, only the outer insulation sheath is removed. The length of the insulation to be removed varies dependent upon terminal point and connector. Removing the insulation must not damage either the individual 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 ductile 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 uninsulated cable lugs). Flat plugs are described as being crimped.

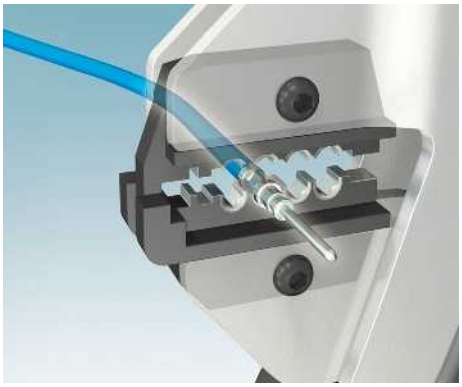
A number of important points must be considered in order to establish a reliable connection between contact and conductor:

- The conductor must be processed 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

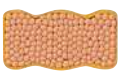
Professional crimping pliers are always equipped with a releasing pressure lock. They unlock as soon as the required crimping pressure is attained, thereby ruling out the possibility of too little pressure. This guarantees the user a constant crimping result with maximum pull-out values.

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 pressing ferrules according to DIN 46228-1 and DIN 46228-4. Areas of application for conductor sizes 10 - 50 mm².

B crimp
For pressing uninsulated flat plugs and slip-on sleeves. Areas of application for conductor sizes 0.1 - 6 mm².

Hex crimp
For pressing uninsulated tube lugs, coaxial plug-in connectors, and fiber optic plug-in 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 pressing ferrules according to DIN 46228. Areas of application for conductor sizes 0.14 - 10 mm².

Indent/prong crimp
For pressing uninsulated cable lugs. Areas of application for conductor sizes 0.75 - 10 mm².

Trapezoid crimp
For pressing ferrules according to DIN 46228-1 and DIN 46228-4. Areas of application for conductor sizes 0.25 - 10 mm².

Oval crimp
For pressing insulated cable lugs and connectors. Areas of application for conductor sizes 0.1 - 6 mm².

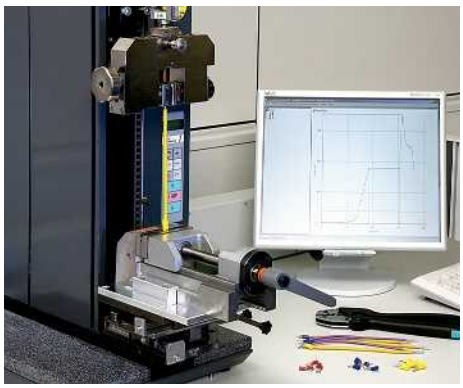
Double indent crimp
For pressing uninsulated cable lugs. Areas of application for conductor sizes 0.75 - 10 mm².

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 uninsulated.

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 SO_2 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 eight hours of testing, the test objects 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	26 - 20	yellow/light green
0.25 - 0.75	24 - 18	green
0.5 - 1.5	20 - 16	red
1.5 - 2.5	16 - 14	blue
4 - 6	12 - 10	yellow
10	8	red
16	6	blue
25	4	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]
M 1.6	0.1*
M 2.0	0.2*
M 2.5 (M 2.6)	0.4*
M 3	0.5*
M 4	1.2*
M 4.5	1.8*
M 5	2.0*
M 6	2.5*
M 8	3.5*
M 10	4.0* / 10**
M 12	14**
M 14	19**
M 16	25**
M 20	36**
M 24	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/grounding busbars
Excerpt 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 stability ≙ E CU conductor [mm²]*	Short-time current resistance 1 s [kA]	Max. permissible thermal nominal current for PEN function [A]
NS 15 UNPERF 2000MM	DIN rail according to EN 60715 -15 x 5.5	Steel	10	1.2	* *
NS 15 PERF 2000MM	DIN rail according to EN 60715 -15 x 5.5	Steel	10	1.2	* *
NS 15-AL PERF 2000MM	DIN rail, dimensions according to EN 60715 -15 x 5.5	Aluminum	16	1.92	76
NS 32 UNPERF 2000MM	G-profile rail according to EN 60715 – G 32	Steel	35	4.2	* *
NS 32 PERF 2000MM	G-profile rail according to EN 60715 – G 32	Steel	35	4.2	* *
NS 32-CU/35 QMM UNPERF 2000MM	G-profile rail, dimensions according 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 according to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 PERF 2000MM	DIN rail according 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 according 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.
* * Grounding busbars made from steel are not permitted for the PEN function.

Overview of certification bodies and safety marks

Certification bodies and approvals		Country code
CB scheme	IECEE CB Scheme (in combination with certifying body)	International
CCA	CENELEC Certification Agreement (CCA inspection report) (in combination with certifying body)	EU
CSA	Canadian Standards Association (CSA)	CA
UL	Underwriters Laboratories Inc. (UL)	US
c UL	Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA
c UL us	Underwriters Laboratories Inc. (UL) Combined logo - UL approval for the USA and Canada -	US CA
IMQ	INSIEME PER LA QUALITA'E LA SICUREZZA	IT
GOST	Gosudarstvenne Komitet Standartov (GOST)	RU
KEMA KEUR	DEKRA Certification B.V.	NL
ÖVE	Österreichischer Verband für Elektrotechnik	AT
SABS	South African Bureau of Standards	ZA
SEV	electrosuisse SEV Verband für Elektro-, Energie- und Informationstechnik	CH
VDE	Verband Deutscher Elektrotechniker e.V.(VDE) – Approval of drawings – Reports with production monitoring	DE
GS	Berufsgenossenschaft (BG) GS - Geprüfte Sicherheit	DE
TÜV	TÜV Rheinland Industrie Service GmbH	DE

Ex Explosion protection		Country code
FM APPROVED	FM Approvals	US
DEKRA	DEKRA Certification B.V.	NL
PTB	Physikalisch-Technische Bundesanstalt	DE
QS International	QS Schaffhausen	CH
VTT	VTT Expert Services Oy	FI
IBExU	IBExU Institut für Sicherheitstechnik GmbH	DE
UC	TÜV Rheinland do Brasil	BR
UL	Underwriters Laboratories Inc. (UL)	US
TÜV NORD	TÜV Nord	DE
DEKRA	DEKRA EXAM GmbH	DE

Ship classification societies		Country code
BV	Bureau Veritas	FR
GL	Germanischer Lloyd AG	DE
Lloyd's Register	Lloyd's Register EMEA	GB
ClassNK	Nippon Kaiji Kyokai	JP
DNV	Det Norske Veritas	NO
PRS	Polski Rejestr Statków	PL
RS	Russian Maritime Register of Shipping	RU
KR	Korean Register of Shipping	KR
ABS	American Bureau of Shipping	US

Note:
Subject to changes that serve the purpose of technical progress.

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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