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Marking Systems, Tools and Mounting Material

2017 / 2018

PHOENIX CONTACT
INSPIRING INNOVATIONS



Marking systems, tools and mounting material



Terminal blocks

- Terminal blocks



Sensor/actuator cabling and connectors

- Sensor/actuator cabling
- Cables and lines
- Connectors



Power supplies, surge protection and device circuit breakers

- Surge protection and interference suppression filters
- Power supplies 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



Automation

- Lighting and signaling
- Fieldbus components and systems
- Functional safety
- HMIs and industrial PCs
- I/O systems
- Industrial cloud computing
- Industrial communication technology
- Software
- Controllers



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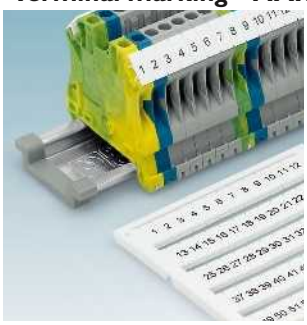


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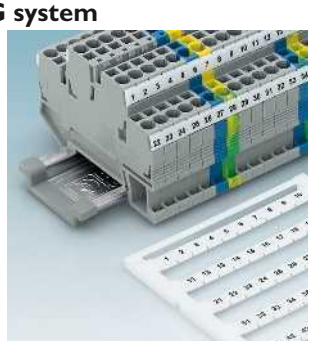


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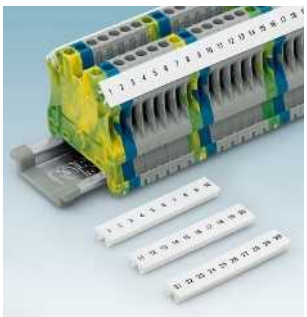
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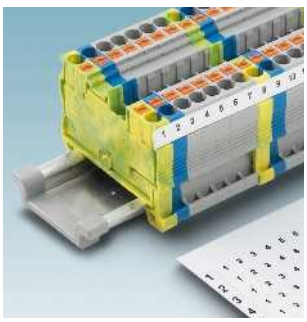
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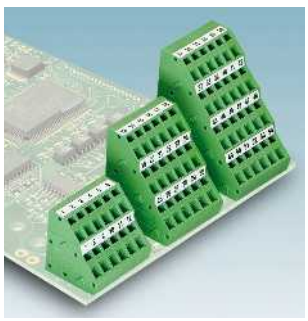
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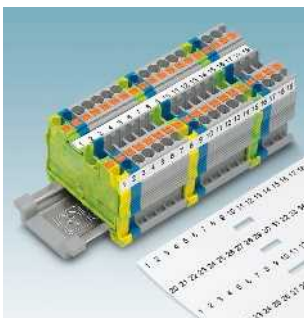
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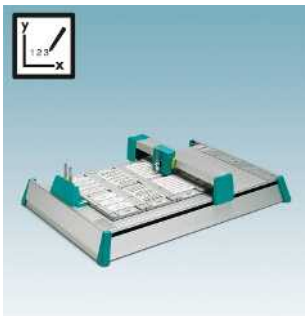
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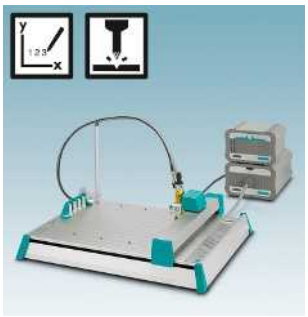
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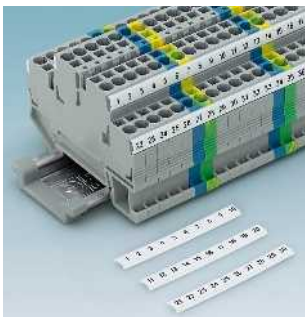
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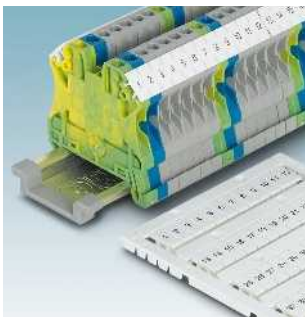
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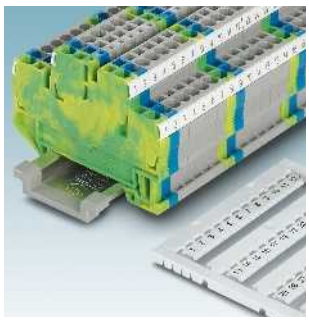
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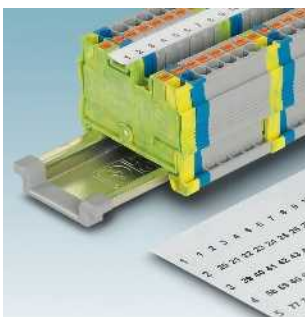
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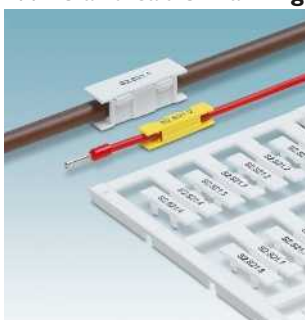
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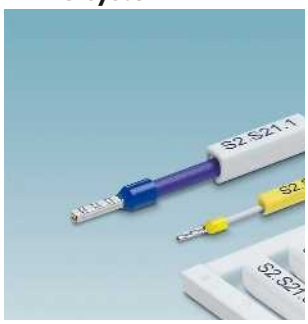
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Wire and cable marking - MARKING system



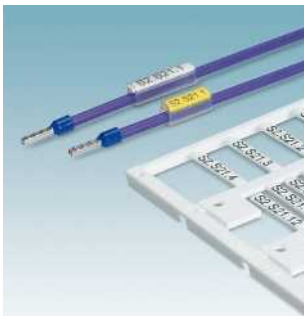
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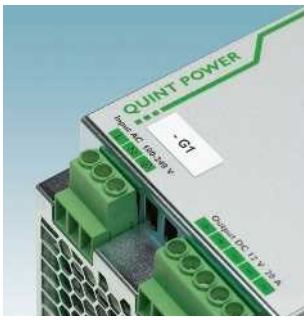
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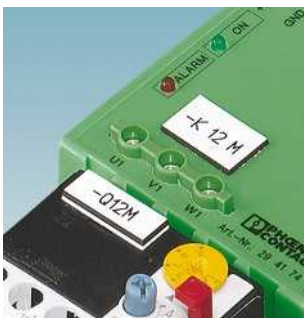
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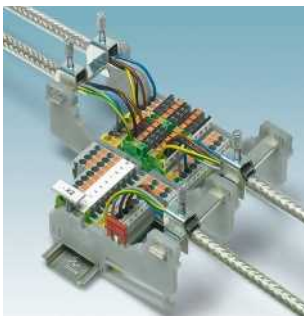
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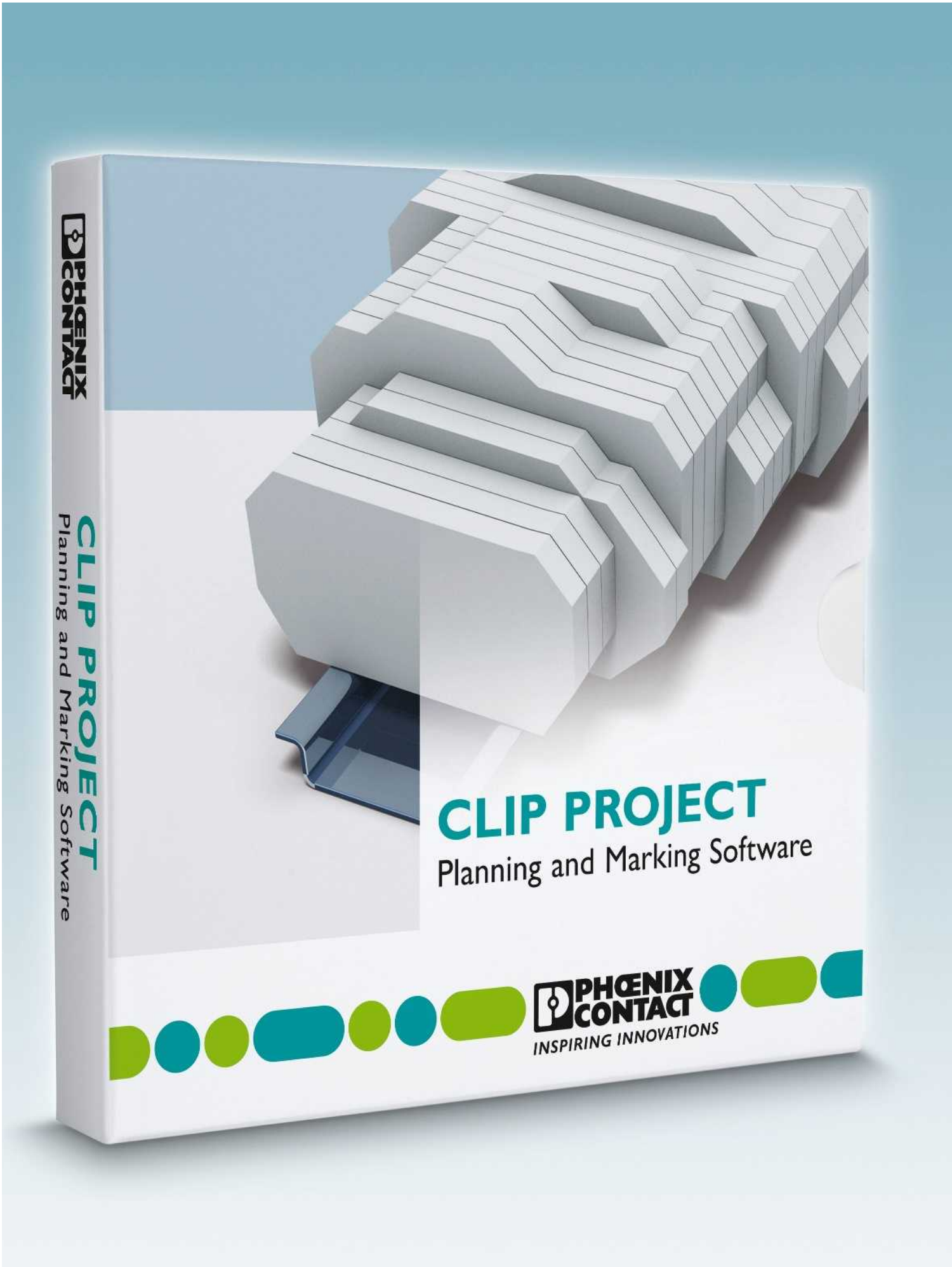
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PHOENIX CONTACT
CLIP PROJECT
Planning and Marking Software
CLIP PROJECT
Planning and Marking Software
PHOENIX CONTACT
INSPIRING INNOVATIONS

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

The CLIP PROJECT planning and marking software consists of two modules:
– CLIP PROJECT Planning enables the quick and convenient planning and configuration of error-free terminal strips.
– CLIP PROJECT Marking is a piece of software for the creation of individual markings 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 of CLIP PROJECT professional also features an efficient template designer, which can be used to design custom labels.

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

Which marking suits your requirements? Find out with the MARKING system app.
Quickly and easily find the right solution with either the structured search assistant or the integrated barcode scanner. More than 3000 marking solutions, 11 different printing systems, and three marking technologies. You are certain to find the right marking option for your application.
With the Marking Editor, you can also create the required markings directly in the application environment. Expand your THERMOMARK LINE printer with the MINI FD BLUETOOTH Bluetooth USB stick. Send your print orders directly and wirelessly, or via USB connection, to the printer from your tablet PC or smartphone.

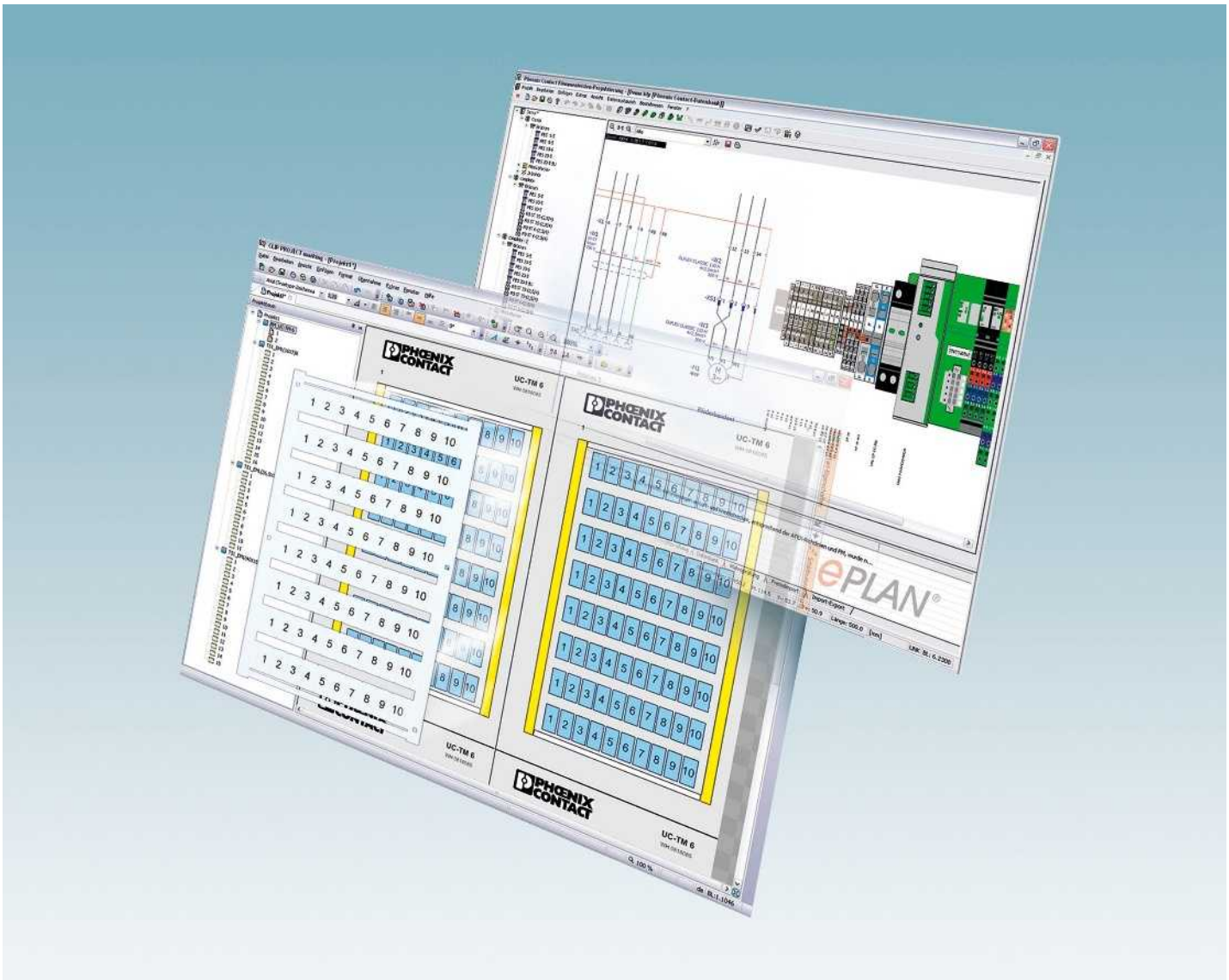
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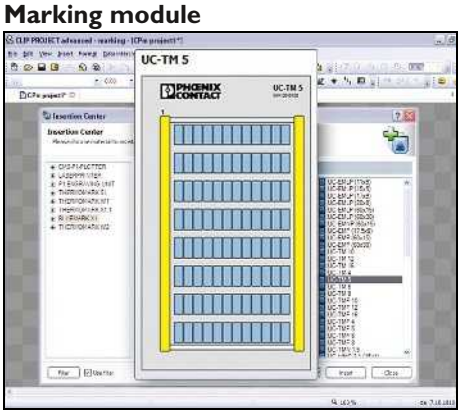
Customer-specific printing service **20**

MARKING system app **22**

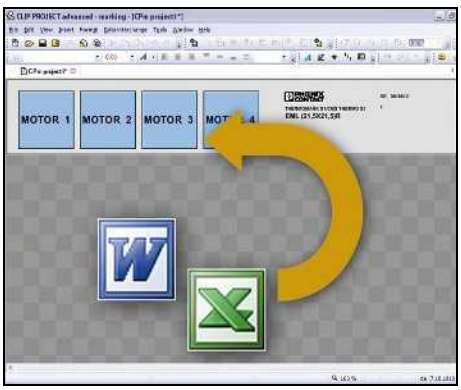
Planning and marking software, customer-specific printing service, and MARKING system app



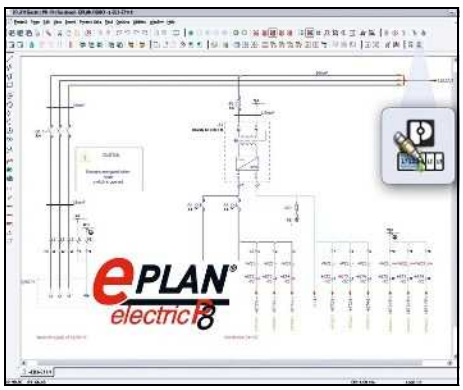
Marking module



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



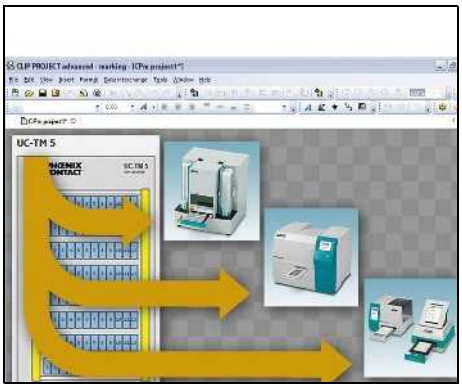
Interfaces to all CAE systems and spreadsheet and text processing programs are integrated for the open exchange of data.



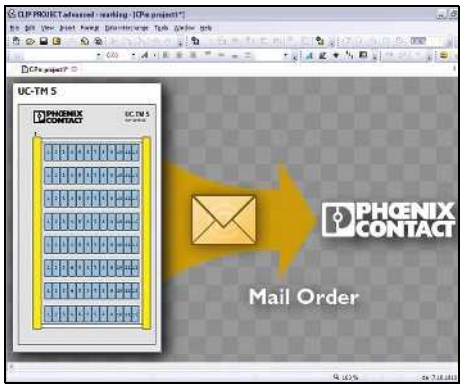
CLIP PROJECT is integrated in EPLAN P8. As a result, the marking data for terminal block, conductor, and equipment marking can be automatically taken from the circuit diagram.



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

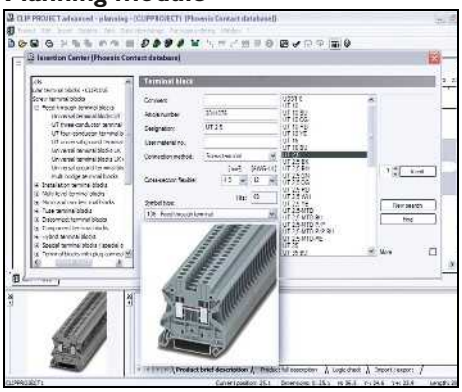


All Phoenix Contact output devices and standard office printers can be controlled easily with just one piece of software.

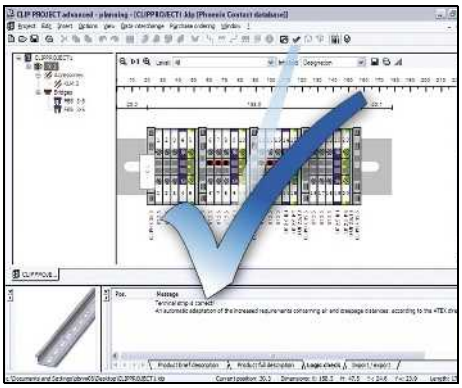


Phoenix Contact provides a marking service. Orders can be placed by e-mail and all items printed and supplied to suit the customer.

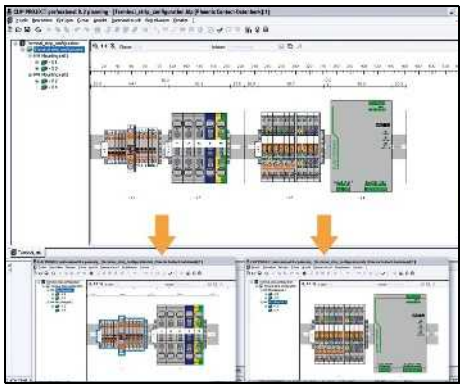
Planning module



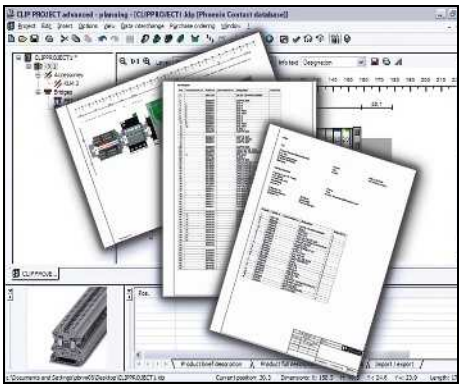
During selection, all Phoenix Contact products which can be fitted on DIN rails are displayed as a preview for rapid product selection.



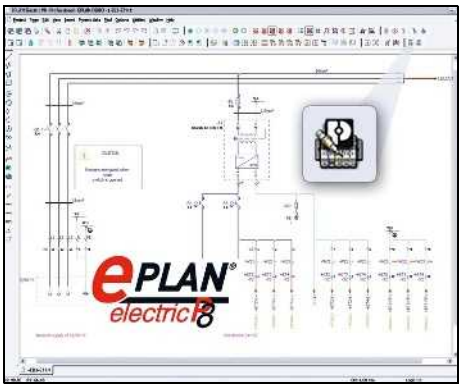
The automatic correction function checks the configured terminal strip and automatically adds any missing accessories. 2D and 3D design data is available with a click of the mouse.



The configured terminal strips can be arranged over several DIN rails to establish the exact amount of space required during installation.



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



CLIP PROJECT is integrated in EPLAN P8. This means that 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. You can order customized terminal strips via the e-mail function. Phoenix Contact will supply the terminal strips promptly.

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

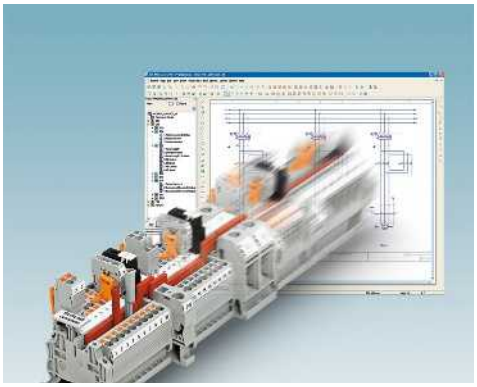
CLIP PROJECT advanced

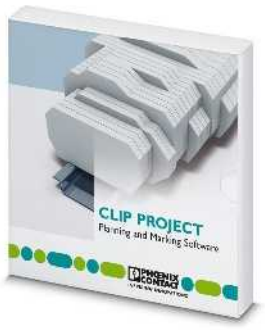
CLIP PROJECT advanced enables the quick planning and configuration of terminal strips for the control cabinet and field. It is also possible to create individual markings for terminal blocks, cables, lines, devices, and systems:

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

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

- The necessary products are chosen automatically based on the circuit diagram and all of the product data is written back to the parts lists
- The marking information is automatically exported and assigned to the desired marking materials
- In order to ensure unique assignment of the marking even in the case of large projects, the project structure tree is transferred from the CAE system to CLIP PROJECT. This also enables the marking to be output in sub-projects



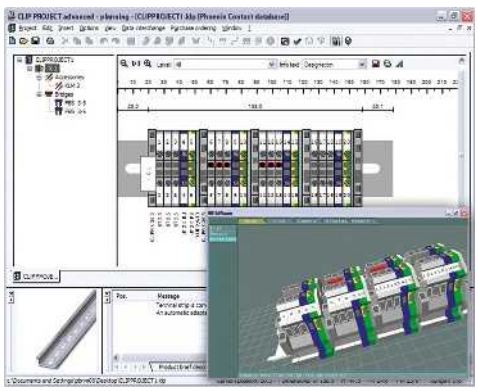


Technical data

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 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit)

Ordering data

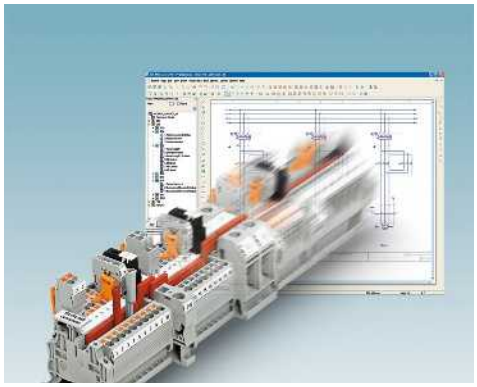
Description	Type	Order No.	Pcs./Pkt.
Planning and marking software, German/English/French/Dutch/Italian/Spanish/Russian/Polish/ Hungarian/Czech/Turkish/Portuguese/Chinese, and Japanese	**CLIP-PROJECT ADVANCED**	5146040	1



CLIP PROJECT professional

The CLIP PROJECT planning and marking software is available in both the CLIP PROJECT advanced and CLIP PROJECT professional versions:

– The CLIP PROJECT professional version also includes a template designer. This enables users to create their own labels and adapt existing material descriptions
– Graphics, various barcode types, and geometric elements such as squares, circles, and lines can be used for design work
– Data can also be imported into the templates from various data sources
– Rapid, simple, and flexible adaptation to changing requirements



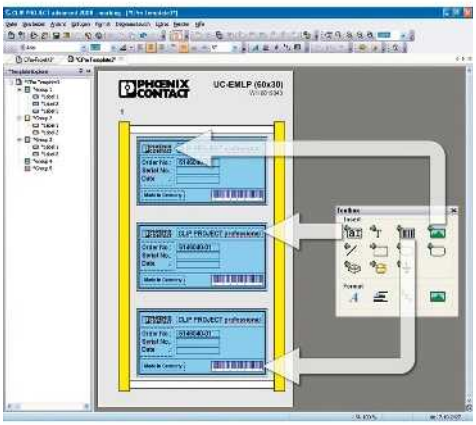


Technical data

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 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (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







Easy ordering process via CLIP PROJECT and e-mail

Create customer-specific markings quickly and easily with CLIP PROJECT and then order via e-mail.



New: color-printed marking solutions

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



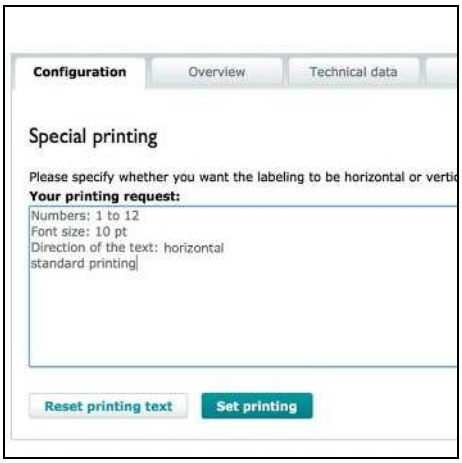
We mark marking materials according to your requirements

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



Ordering special marking, step 1

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

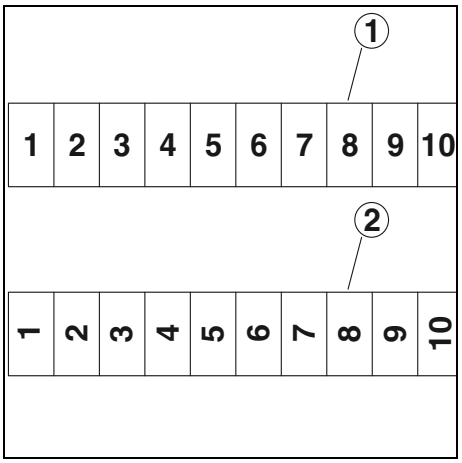


Ordering special marking, step 2

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

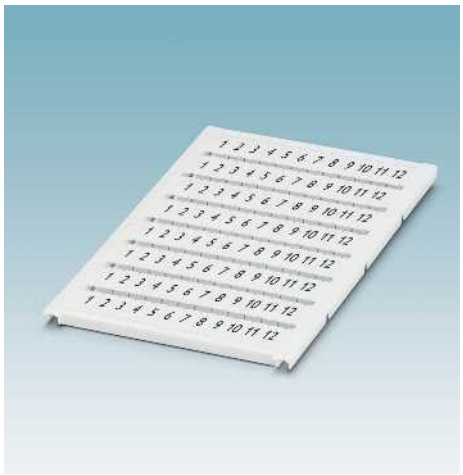
Data required:

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



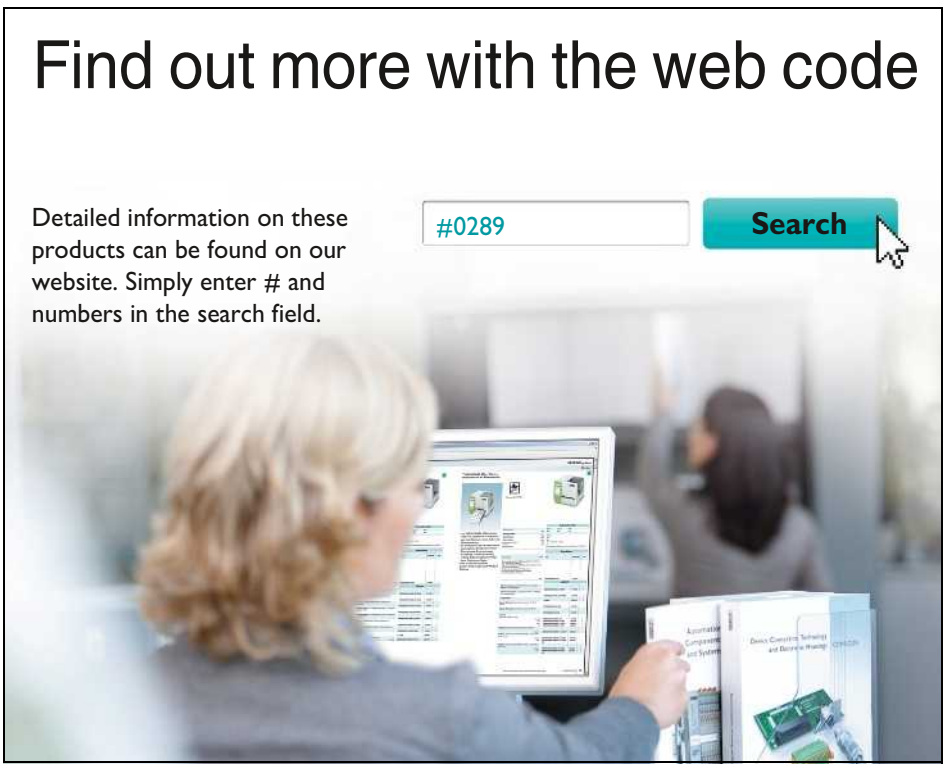
Ordering special marking, step 3

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



Individually marked according to customer requirements:

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



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





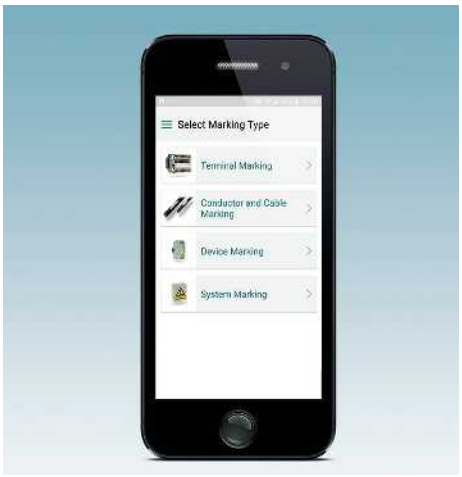
Marking Editor

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



Barcode scanner

With the barcode scanner, you can quickly and easily call up the technical data of marking material. Via the Marking Editor, you can also mark it directly.



Search assistant

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

MARKING system app and MINI FD BLUETOOTH



Retrofit the MINI FD BLUETOOTH Bluetooth USB adapter to your THERMOMARK LINE printer.
MINI FD BLUETOOTH enables reliable, wireless data exchange between THERMOMARK LINE printers and mobile, Bluetooth-capable devices, such as smartphones and tablet PCs. In this way, the MARKING system app conveniently sends the print jobs to the printer.

Functions of the MARKING system app (Android version):

– Marking Editor for mobile marking of marking materials.
– Search wizard for quick and easy marking material searches – even without prior knowledge
– Barcode scanners for quick, convenient calling up of appropriate marking solutions for Phoenix Contact terminal blocks
– My projects: manage the projects you have created in a structured and clear manner
– List of saved items: save the required number of your desired item along with a short description for traceability. You can even send the list of saved items via e-mail or using other services
– Favorites: save frequently-used marking material for the Marking Editor
– Easily set the right print parameters, straight from your tablet PC or smartphone

Notes:

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

[1]) The MINI FD BLUETOOTH item is only available for European countries.



Technical data

General data		
Application		USB/Bluetooth
Transmission speed	[Mbps]	3

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Bluetooth USB adapter[1])	**MINI FD BLUETOOTH**	0830986	1

Accessories

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)	**THERMOMARK CARD**	5146464	1
Thermal transfer printer for material off the roll, including European power cable, US power cable, USB cable, DVD with CLIP PROJECT advanced, CD with multilingual user manual/driver/firmware, A5 printed English/German user manual, One roll of EML (20x8) labels containing 1000 labels, One ink ribbon (50 meters)	**THERMOMARK ROLL**	5146477	1
	THERMOMARK ROLL X1	5146723	1
Thermal transfer printer for mobile or stationary use, with integrated "MARKING system app" marking software on board, 7 inch color touch display, and replaceable battery pack. It can be linked to CLIP PROJECT. For printing on plastic labels in UCT, US, and UM format	**THERMOMARK PRIME**	5148888	1


PHOENIX CONTACT
TOPMARK LASER
Laser Klasse 1
READY
THERMOMARK CARD
READY
THERMOMARK ROLL
BLUEMARK CLED
THERMOMARK PRIME

Marking systems - MARKING system

The right printing system for every use

The TOPMARK LASER laser marking system permanently marks materials for industrial environments so that they are highly resistant. Easy handling is possible, without special knowledge of lasers. The BLUEMARK CLED high-speed printer with innovative UV LED technology quickly and easily prints materials in UniCard format as well as aluminum markers.

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

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

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

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

The THERMOMARK ROLLMASTER is particularly suited to marking large print volumes.

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

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

The use of a plotter is ideal for low volume printing needs. Simply switching the standard plotter head with an engraving unit easily converts the plotter into an engraving system. This enables you to mark metals and special two-layer plastics, too.

The RFMARK RFID system enables data to be received, transmitted, and scanned, contact-free, even without visual contact.

Product range overview

Marking systems **26**

Overview of marking material and printers

Which printer prints which marking **28**

TOPMARK LASER **32**
BLUEMARK CLED **34**
THERMOMARK PRIME **36**
MARKING BOX **40**
THERMOMARK CARD SET and ROLL SET **41**
THERMOMARK CARD **42**
THERMOMARK ROLL **46**
THERMOFOX **47**
THERMOMARK ROLLMASTER **54**
THERMOMARK W2 **55**
PLOTMARK **56**
ENGRAVING UNIT **57**
RFMARK RFID system **63**





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



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



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



The THERMOMARK CARD thermal transfer printer can be used to print marking materials in card format. It offers you an easy way of producing terminal block, conductor, cable, and equipment markings of incredibly high quality.



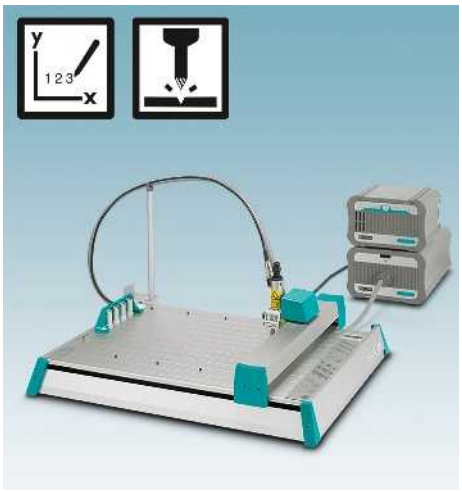
The THERMOMARK ROLL thermal transfer printer processes material off the roll and continuous media. You can easily create high-quality printed labels, markers, and shrink sleeves. The THERMOMARK ROLLMASTER is particularly suited to marking large print volumes, optionally with 300 or 600 dpi.



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



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



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



The powerful RFMARK UHF and RFMARK HF handheld devices ensure contact-free identification, data exchange or localization of marking labels with integrated RFID technology without any visual contact. As such, the RFID handheld devices function as both transmitters and receivers.

Marking systems

Overview marking system - marking material - matrix





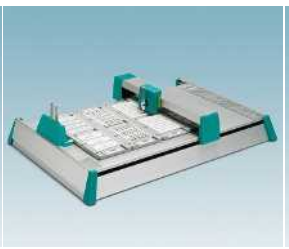


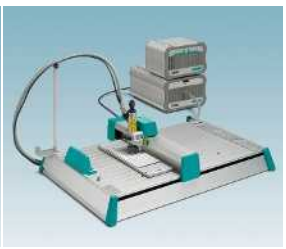


Marking system	TOPMARK LASER	BLUEMARK CLED	THERMOMARK CARD THERMOMARK PRIME	THERMOFOX
Terminal marking				
UC...-TM...		Page 118		
UCT...-TM...	Page 140	Page 140	Page 140	
UM...-TM...		Page 176	Page 176	
US-TM...			Page 144	
US-TMF...			Page 145	
US-TML...			Page 146	
ZB...				
ZBF...				
TMT...				
TML...				
SK...				
MM-TML...				Page 53
MM-TMT...				Page 53
Wire/cable marking				
LS-WMTB...	Page 197			
WMTB-AL...		Page 200		
AI-WM...		Page 209		
UC-WMT...		Page 210		
UC-WMTB(A)...		Page 212		
UC-WMC(O)...		Page 202		
UCT-WMT...	Page 214	Page 214	Page 214	
UCT-WMTB(A)...	Page 218	Page 218	Page 218	
UCT-WMCO...	Page 217	Page 217	Page 217	
UCT-WMS...	Page 216	Page 216	Page 216	
US-WMT...			Page 220	
US-WMTB...			Page 222	
US-WML...			Page 223	
WMT...				
WMTB...(HF)				
WMS... (HF) (pre-assembled)				
WMS... (HF) (continuous shrink sleeve)				
WML.../WML HF... /WML-FLAG...				
WML-RFID/HF...				
EMT...				
MM-WMS... + MM-WMS-2....				Page 48
MM-WML...				Page 49
MM-EMT...				Page 50











	THERMOMARK ROLL THERMOMARK ROLLMASTER 300/600	THERMOMARK W2	PLOTMARK	ENGRAVING UNIT	RFMARK UHF / HF
			Page 118		
			Page 124		
			Page 134		
	Page 148				
	Page 152				
	Page 159				
			Page 210		
			Page 212		
			Page 202		
	Page 238				
	Page 239				
	Page 232				
	Page 234	Page 234			
	Page 225				Page 225
	Page 236				

Marking systems

Overview

marking system - marking material matrix





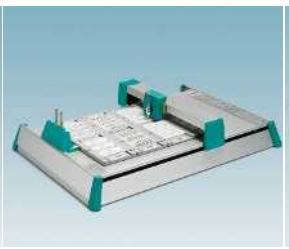


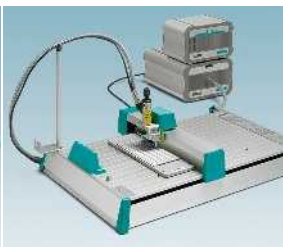


Marking system	TOPMARK LASER	BLUEMARK CLED	THERMOMARK CARD THERMOMARK PRIME	THERMOFOX
Equipment marking				
LS-EM...	Page 290			
EM...AL...		Page 302		
UC-EM...		Page 309		
UC-EMP...		Page 307		
UC-EMLP...(EX)		Page 304		
UC-EMSP...		Page 306		
UCT-EM(P)...	Page 312	Page 312	Page 312	
US-EMP...			Page 321	
US-EMLP...(HA)			Page 318	
US-EMLSP...			Page 324	
US-EMSP...			Page 323	
US-EML...			Page 326	
US-EMLF...			Page 327	
EMT...				
EML...(EX)				
EMLP...				
EMLF...				
EMLC...				
EMLS...				
EML-HA...				
EML-HT...				
EML-ESD...				
EML-RM...				
GPE...				
BMK...				
BMKL...				
MM-EMLC.../MM-EML.../				Page 51
MM-EMLF...				Page 52
Plant marking				
UC-PM(L)P...		Page 362		
PM(L)P-RFID/...		Page 360		
US-PML-W...			Page 368	
US-PML-P...			Page 372	
US-PML-M...			Page 374	
US-PML-GHS...			Page 384	
US-EMLF...			Page 327	
PML-W....				
PML-P...				
PML-M...				
PML-GHS...				
PML-T...				
PMM...				
MM-EML.../MM-EMLF...				Page 51











THERMOMARK ROLL THERMOMARK ROLLMASTER 300/600	THERMOMARK W2	PLOTMARK	ENGRAVING UNIT	RFMARK UHF / HF
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TOPMARK LASER set, desktop laser marker including extraction unit and notebook



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

– Wide range of materials comprising stainless steel, aluminum, ABS, polyacrylics, and polycarbonate
– Preset optimized laser parameters are available for all material types
– Thanks to the automatic material detection of UCT cards, marking is fast and effective
– Permanent markings are created using engraving labeling, annealing marking or carbonizing the material



Direct laser marking



Laser marker

Technical data

Dimensions			
	Width	Length	Height
	[mm]		
	664	**666**	**736**
General data			
Temperature range	[°C]	5 ... 40	
Marking method		Direct laser marking	
Laser system		Ytterbium fiber laser, pulsed, 1064 nm	
Laser class		Laser class 1 according to EN 60825-1 classification	
Interfaces		10/100 Mbps Ethernet	
Power supply	[V]	100 ... 240	
Weight	[kg]	105	
Operating systems		MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit)	
Power consumption	[W]	450	
CW laser power (continuous wave)	[W]	20	

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Laser marker and MARKING NOTEBOOK, incl. CLIP PROJECT professional software and installed drivers, user manual, sheet hopper, card hopper and 230 V extraction unit				
With German operating system and German keyboard		**TOPMARK LASER**	0831831	1

Accessories

Carriage, for accommodating TOPMARK LASER, extraction unit, and MARKING NOTEBOOK		**TOPMARK LASER STATION**	0831835	1
Sheet hopper, for TOPMARK LASER		**TOPMARK LASER-MAG SHEET**	0831836	1
Magazine for the TOPMARK LASER, for accommodating UCT material automatically		**TOPMARK LASER-MAG UCT-A**	0803141	1
Magazine for the TOPMARK LASER, for accommodating UCT material manually		**TOPMARK LASER-MAG UCT-M**	0803143	1
Extraction unit:				
230 V		**TOPMARK LASER EXTRACTION 230V**	0803302	1
120 V		**TOPMARK LASER EXTRACTION 120V**	0803327	1
Pre-filter pad, for replacement		**TOPMARK LASER PRE FILTER SET**	0803303	1
HEPA filter, for replacement		**TOPMARK LASER HEPA FILTER**	0803305	1
Activated carbon filter, for replacement		**TOPMARK LASER CARBON FILTER**	0803306	1
USB stick, for software control of the TOPMARK LASER		**TOPMARK LASER FD**	0803307	1
MP-TEC fine particle filter, for replacement		**TOPMARK LASER MP-TEC FILTER**	0803308	1
Suction tube, for replacement, length: 2.5 m		**TOPMARK LASER TUBE**	0803309	1
Connecting cable, for replacement		**TOPMARK LASER CLEANING NOZZLE**	0803310	1



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





Direct laser marking



Laser marker

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

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

Technical data

Dimensions		Width	Length	Height
	[mm]	**664**	**630**	**682**

General data		
Temperature range	[°C]	5 ... 40
Marking method		Direct laser marking
Laser system		Ytterbium fiber laser, pulsed, 1064 nm
Laser class		Laser class 1 according to EN 60825-1 classification
Power supply	[V]	100 ... 240
Weight	[kg]	105
Operating systems		MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit)
Power consumption	[W]	450
CW laser power (continuous wave)	[W]	20

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Laser marker and MARKING NOTEBOOK, incl. CLIP PROJECT professional software and installed drivers, user manual, sheet hopper, card hopper and 230 V extraction unit				
with German operating system and Swiss keyboard		**TOPMARK LASER DE CH**	**0803285**	1
with Russian operating system and Russian keyboard		**TOPMARK LASER RU RU**	**0803286**	1
with Swedish operating system and Swedish keyboard		**TOPMARK LASER SE SE**	**0803287**	1
with Danish operating system and Danish keyboard		**TOPMARK LASER DK DK**	**0803288**	1
with Chinese operating system and US international keyboard		**TOPMARK LASER CN US**	**0803289**	1
with Polish operating system and US international keyboard		**TOPMARK LASER PL US**	**0803290**	1
with French operating system and French keyboard		**TOPMARK LASER FR FR**	**0803291**	1
with Italian operating system and Italian keyboard		**TOPMARK LASER IT IT**	**0803292**	1
with Spanish operating system and Spanish keyboard		**TOPMARK LASER ES ES**	**0803293**	1
with Portuguese operating system and Portuguese keyboard		**TOPMARK LASER PT PT**	**0803295**	1
with English operating system and Belgian keyboard		**TOPMARK LASER EN BE**	**0803296**	1
with English operating system and US international keyboard		**TOPMARK LASER US**	**0803297**	1
Extraction unit 120 V				
with English operating system and US international keyboard		**TOPMARK LASER EN**	**0803298**	1
with Hungarian operating system and Hungarian keyboard		**TOPMARK LASER HU HU**	**0803299**	1
with Japanese operating system and US international keyboard		**TOPMARK LASER JP US**	**0803273**	1

BLUEMARK CLED



UV LED printing system

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



Simple operation

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



Easy operation

- Via a large color touchscreen
- 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. 24 LEDs generate this light across an area of 1 cm². The intensity of this light is very high and ensures:

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

UV LED technology

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

Description	Color
Printer with solvent-free LED UV technology, including CLIP PROJECT advanced software, collection container for 20 sheets, CD with multilingual user manual, English/German user manual, driver and firmware, European and US power cable, USB cable	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	
Magazine for the BLUEMARK printer, for accommodating UM materials	
Compartment	
For accommodating 20 UC or UCT sheets	
Transport case, with aluminum edges, for printer and accessories	

Magazines for marking aluminum markers

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



UV LED printer



Printing set for cards



Accomodating box

EAC

Technical data

Width	Length	Height
480	**500**	**330**

5 ... 35
UV LED technology
20 ml
Approx. 14,000 markers/h (UC-TMF 4 with 2 characters/marker)

10/100 Mbps Ethernet / USB 2.0
100 ... 240 / 50 Hz ... 60 Hz
16
MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2

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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 MAG UM-TM	0803335	1
BLUEMARK CLED-STACKER 20	5146656	1
BLUEMARK CLED CASE	5146725	1

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EAC

Technical data

Width	Length	Height
480	**500**	**330**

5 ... 35
UV LED technology
20 ml
Approx. 14,000 markers/h (UC-TMF 4 with 2 characters/marker)

10/100 Mbps Ethernet
100 ... 240 / 50 Hz ... 60 Hz
16
MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2

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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 MAG UM-TM	0803335	1
BLUEMARK CLED-STACKER 20	5146656	1
BLUEMARK CLED CASE	5146725	1

See page 200

Technical data

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

-
-
-
-
-
-
-
-
-

Ordering data

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

Accessories

THERMOMARK PRIME

new





Thermal transfer



Mobile thermal transfer printer with integrated marking software

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

Notes:

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

Technical data

Dimensions	Width	Length	Height
	[mm]	**224**	**292**	**122**

General data		
Temperature range	[°C]	5 ... 40
Print resolution	[dpi]	300 dpi x 300 dpi
Max. print width	[mm]	104
Interfaces		10/100 Mbps Ethernet / USB 2.0
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz
Weight	[kg]	6
Operating systems		MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2

Ordering data

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

Accessories

Charger for the battery pack, the power is supplied via the THERMOMARK PRIME's standard power supply unit or with the vehicle charging cable via the 12 V connection	**TMP/CHARGER**	0803670	1
Spare charging cable for the charger when using a 12 V connection in the vehicle	**TMP/CHARGER CABLE VEHICLE 12V**	0803671	1
Spare battery pack, (NIMH) 18 V DC, 2.1 Ah	**TMP/ACCU**	0803668	1
Battery compartment cover, dummy battery pack closes the battery tab on the printer	**TMP/ACCU COVER**	0803669	1
Replacement power supply unit, input voltage of 100 V AC ... 240 V AC / 1.5 A / 50 Hz ... 60 Hz, output voltage: 24 V DC / 4.16 A	**TMP/EXT.POWER-SUPPLY 100-240V**	0803672	1
Carry case for the THERMOMARK PRIME (5148888), material and accessories unassembled	**TMP BAG**	0803674	1
Rucksack for the THERMOMARK PRIME (5148888), the THERMOFOX (0803984), material and accessories, unassembled	**MOBILE BACKPACK**	0803717	1
Transport case with aluminum case for the THERMOMARK PRIME (5148888), material and accessories unassembled	**TMP CASE**	0803675	1
Ink ribbon cassette for THERMOMARK PRIME, print color: black, length: 70 m, width: 110 mm, black	**TMP-RIBBON 110 BK 100**	0803374	1
Ink ribbon cassette for THERMOMARK PRIME, print color: white, length: 60 m, width: 110 mm, white	**TMP-RIBBON 110 WH 100**	0803376	1
Ink ribbon cassette for THERMOMARK PRIME, specially for large-area printing, print color: black, length: 60 m, width: 110 mm, Surface printing, black	**TMP-RIBBON 110 BK 101**	0803714	1

Magazines for THERMOMARK PRIME

new



Thermal transfer



Magazines for UniCard marking materials

- Robust magazines for UniSheet marking material
- The format automatically ensures printing with a high degree of positioning accuracy
- Marking sheets that have already been started can continue to be used
- A barcode affixed laterally to the magazine enables the THERMOMARK PRIME to identify the magazine. Consequently, printing errors caused by choosing the wrong magazine are prevented.

Ordering data			
Description	Type	Order No.	Pcs./Pkt.
Magazine for THERMOMARK PRIME For accommodating UCT-TM…, UCT1(U)-TM…, UCT5-TM…, UCT-EM (5x10), UCT-EM (6x10)	TMP-UCT-MAG1	0803342	1
For accommodating UCT-TMF...	TMP-UCT-MAG2	0803343	1
Magazine for THERMOMARK PRIME For accommodating UCT-WMS...	TMP-UCT-MAG3	0803344	1
Magazine for THERMOMARK PRIME For accommodating UCT1-TMF...	TMP-UCT-MAG4	0803345	1
For accommodating UCT2-TM...	TMP-UCT-MAG5	0803347	1
For accommodating UCT3-TM...	TMP-UCT-MAG6	0803348	1
Magazine for THERMOMARK PRIME For accommodating UCT-WMT…, UCT-EM (7x10)	TMP-UCT-MAG7	0803349	1
Magazine for THERMOMARK PRIME For accommodating UCT-EM (20x7), UCT-EM (17,5x8)	TMP-UCT-MAG8	0803350	1
For accommodating UCT-EM (12x3,3), UCT-EM (12x6)	TMP-UCT-MAG9	0803351	1
For accommodating UCT-EM (30x5)	TMP-UCT-MAG10	0803352	1
For accommodating UCT-EM (17x10)	TMP-UCT-MAG11	0803353	1
Magazine for THERMOMARK PRIME For accommodating UCT-EM (10x8)	TMP-UCT-MAG12	0803354	1
For accommodating UCT-EM (10x5)	TMP-UCT-MAG13	0803355	1
For accommodating UCT-EM (17x8), UCT-EM (21x8)	TMP-UCT-MAG14	0803356	1
For accommodating UCT-EM (20x9)	TMP-UCT-MAG15	0803357	1
Magazine for THERMOMARK PRIME For accommodating UCT-EM (17x9)	TMP-UCT-MAG16	0803358	1
For accommodating UCT-EM (18x8)	TMP-UCT-MAG17	0803360	1
For accommodating UCT-EM (17,5x7,5)	TMP-UCT-MAG18	0803361	1
For accommodating UCT-EM (15x10)	TMP-UCT-MAG19	0803363	1
Magazine for THERMOMARK PRIME For accommodating UCT-EM (10x7), UCT-WMTB (29x8)	TMP-UCT-MAG20	0803364	1
For accommodating UCT-EM (20x8)	TMP-UCT-MAG21	0803365	1
For accommodating UCT-EM (17,5x9)	TMP-UCT-MAG22	0803366	1
Magazine for THERMOMARK PRIME For accommodating UCT6M-TM...	TMP-UCT-MAG23	0803367	1
For accommodating UCT6R-TM...	TMP-UCT-MAG24	0803368	1
Magazine for THERMOMARK PRIME For accommodating: UCT–WMCO...(12x4)	TMP-UCT-MAG25	0803369	1
Magazine for THERMOMARK PRIME Foraccommodating UCT-EMP ...	TMP-UCT-MAG26	0803370	1
Magazine for THERMOMARK PRIME For accommodating UCT-WMTBA (25x6), , UCT-WMTBA (29x8), UCT-WMTBA (40x17)	TMP-UCT-MAG27	0803371	1
Magazine for THERMOMARK PRIME For accommodating: UCT–WMCO...(18x4)	TMP-UCT-MAG28	0803372	1

Magazines for THERMOMARK PRIME

new



Thermal transfer



Magazine for UniSheet marking materials

- Robust magazines for UniSheet marking material
- The format automatically ensures printing with a high degree of positioning accuracy
- Marking sheets that have already been started can continue to be used
- A barcode affixed laterally to the magazine enables the THERMOMARK PRIME to identify the magazine. Consequently, printing errors caused by choosing the wrong magazine are prevented.

Ordering data

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

Magazines for THERMOMARK CARD and THERMOMARK PRIME

new



Thermal transfer for sheets and cards



Magazine for UM marking materials

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

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

THERMOMARK printer sets





Thermal transfer for sheets and cards



Thermal transfer for rolls



Printing set, complete

MARKING BOX is the complete marking system for all terminal block, conductor, cable, and equipment marking applications. The system 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

Notes:

An application video can be found in the download area for the relevant product on our website at 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	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 CARD, thermal transfer printer for sheet materials and cards





Thermal transfer for sheets and cards



Thermal transfer printer for cards

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

Notes:

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

Technical data

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

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

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Thermal transfer printer for 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
Trolly for transport case TL-CASE			
	TL CASE TROLLY	0803337	1
Cleaning stick			
	CLEANING STICK	5146697	5
Ink ribbon for THERMOMARK CARD, ink color: black, length: 300 m, width: 110 mm			
	THERMOMARK-RIBBON 110-TC	0801371	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm			
	TM-RIBBON 110-TC/TR WH	1014402	1

Magazines for THERMOMARK CARD



Thermal transfer for sheets and cards



Magazines for UniCard marking materials

- Robust magazines for UniCard marking material
- The magazine geometry automatically ensures printing with a high degree of positioning 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: UCT2–TM ... for accommodating: UCT1–TMF...	THERMOMARK CARD-UCT-MAG4	5146614	1
Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2–TM ... for accommodating: UCT2-TM ...	THERMOMARK CARD-UCT-MAG5	5146615	1
Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2–TM ... 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(17,5 x 8), UCT-EM (20x7)	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 (20x9)	THERMOMARK CARD-UCT-MAG15	0830402	1
for accommodating UCT-EM (17x9)	THERMOMARK CARD-UCT-MAG16	0830403	1
for accommodating UCT-EM (18x8)	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 (15x10)	THERMOMARK CARD-UCT-MAG19	0830406	1
for accommodating UCT-EM (10x7), UCT-WMTB (29x8)	THERMOMARK CARD-UCT-MAG20	0830751	1
for accommodating UCT-EM (20x8)	THERMOMARK CARD-UCT-MAG21	0830752	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 ..., for accommodating UCT–WMCO ...(12x4)	THERMOMARK CARD-UCT-MAG25	0802935	1
for accommodating UCT-EMP ...	THERMOMARK CARD-UCT-MAG26	0802988	1
for accommodating: UCT–WMTBA ...	THERMOMARK CARD-UCT-MAG27	0802989	1
Magazine for THERMOMARK CARD, for accommodating UCT–WMCO...(18x4)	THERMOMARK CARD-UCT-MAG28	0803205	1

Magazines for THERMOMARK CARD





Thermal transfer for sheets and cards



Magazines for UniSheet marking material

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

Description	Ordering data		
	Type	**Order No.**	Pcs./Pkt.
Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1

Magazines for THERMOMARK CARD and THERMOMARK PRIME

new



Thermal transfer for sheets and cards



Magazine for UM marking materials

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

Ordering data

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

THERMOMARK ROLL, thermal transfer printer for material off the roll





Thermal transfer for rolls



Thermal transfer printer for roll material

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

Cutting to length or perforating is easy

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

Notes:

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

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



Technical data

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

General data	
Temperature range	[°C] 5 ... 40
Print resolution	[dpi] 300 dpi
Max. print width	[mm] 104
Max. printing length	[mm] 1000
Interfaces	10/100 Mbps Ethernet / USB 2.0
Power supply	[V] 100 ... 240 / 50 Hz ... 60 Hz
Weight	[kg] 4
Operating systems	MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2

Ordering data

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

Accessories

Cutter, can be retrofitted, for precise cutting of continuous media into required lengths	THERMOMARK ROLL-CUTTER	5146422	1
Cutter, can be retrofitted, for perforating continuous media	THERMOMARK ROLL-CUTTER/P	5146435	1
External media hub, for roll diameters of 150 mm to 400 mm	THERMOMARK ROLL-ERH	5146448	1
for roll diameters up to 500 mm	THERMOMARK-ERH 500	5146309	1
Standard pressure roller	TR-PRESSURE ROLLER STANDARD	0801802	1
Pressure roller, for continuous shrink sleeve	TR-PRESSURE ROLLER DR4-50	0801800	1
Transport case	TL CASE	0800613	1
Trolly for TL-CASE transport case	TL CASE TROLLY	0803337	1
Cleaning stick	CLEANING STICK	5146697	5
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm black	THERMOMARK-RIBBON 110	5145384	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm white	TM-RIBBON 110-TC/TR WH	1014402	1
Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm black	THERMOMARK-RIBBON 110-WMTB HF	5148007	1
Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm black	THERMOMARK-RIBBON 110-WMSU	0801358	1

THERMOFOX

new





Thermal transfer for rolls



Mobile thermal transfer printer for roll material

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

Technical data

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

Ordering data

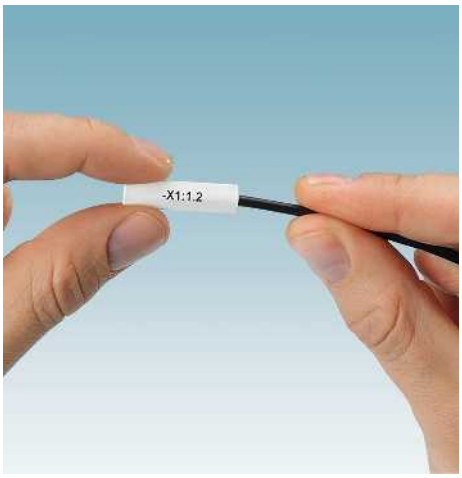
Description	Color	Type	Order No.	Pcs./Pkt.
Portable thermal transfer printer for roll material				
		THERMOFOX	0803984	1
with Chinese firmware and Chinese marking		**THERMOFOX CN**	0803985	1
Portable thermal transfer printer for materials off the roll, with accessories (power supply unit with four interchangeable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

Accessories

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

Cassettes for THERMOFOX

new





Thermal transfer for rolls



Mounting type: slide on

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

Technical data

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

Ordering data

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

new



Mounting type: slide on

new



Mounting type: adhesive

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

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

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

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

Cassettes for THERMOFOX

new





Thermal transfer for rolls



Mounting type: insertion

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

Technical data

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

Ordering data

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

Cassettes for THERMOFOX

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

new



Mounting type: adhesive

new



Mounting type: adhesive

Technical data

Can be marked using		THERMOFOX
Material		PA
Temperature range	[°C]	0 ... 80
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.
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 10 mm				
	white	**MM-EMLC (EX10)R C1 WH/BK**	0803933	1
	silver			
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 12 mm				
	white	**MM-EMLC (EX12)R C1 WH/BK**	0803934	1
	silver			
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 18 mm				
	white	**MM-EMLC (EX18)R C1 WH/BK**	0803936	1
	silver			
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 24 mm				
	white			
	silver			

Technical data

Can be marked using		THERMOFOX
Material		Polyester
Temperature range	[°C]	-40 ... 149
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.
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 10 mm				
	white	**MM-EML (EX10)R C1 WH/BK**	0803970	1
	silver	**MM-EML (EX10)R C1 SR/BK**	0803974	1
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 12 mm				
	white	**MM-EML (EX12)R C1 WH/BK**	0803971	1
	silver	**MM-EML (EX12)R C1 SR/BK**	0803975	1
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 18 mm				
	white	**MM-EML (EX18)R C1 WH/BK**	0803972	1
	silver	**MM-EML (EX18)R C1 SR/BK**	0803976	1
Label, roll, can be marked with: THERMOFOX, mounting type: adhesive, lettering field size: continuous x 24 mm				
	white	**MM-EML (EX24)R C1 WH/BK**	0803973	1
	silver	**MM-EML (EX24)R C1 SR/BK**	0803978	1

Cassettes for THERMOFOX

new





Thermal transfer for rolls



Mounting type: adhesive

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

Technical data

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

Ordering data

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

Cassettes for THERMOFOX

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

new



Mounting type: adhesive

new



Mounting type: snap on

Technical data

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

Technical data

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

Ordering data

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

Ordering data

Type	Order No.	Pcs./Pkt.
MM-TMT (EX6,35)R C1 WH/BK	0803982	1
MM-TMT (EX9,5)R C1 WH/BK	0803983	1

THERMOMARK ROLLMASTER, thermal transfer printer for material off the roll



Thermal transfer for rolls

new



Thermal transfer printer for roll material

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

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

Notes:

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

Technical data

Dimensions			
	[mm]	Width	Length	Height
		252	**460**	**288**
General data			
Temperature range	[°C]	10 … 40	
Print resolution	[dpi]	300 dpi	
Max. print width	[mm]	105	
Max. printing length	[mm]	2000	
Interfaces		10/100 Mbps Ethernet / USB 2.0	
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz	
Weight	[kg]	10	
Operating systems		MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit), MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit), Server 2008, Server 2008 R2, Server 2012, Server 2012 R2	

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Thermal transfer printer, 300 dpi, incl. connecting cable, Windows® printer driver, operating instructions, software,	THERMOMARK ROLLMASTER 300	0804501	1
Thermal transfer printer, 600 dpi, incl. connecting cable, Windows® printer driver, operating instructions, software,	THERMOMARK ROLLMASTER 600	0804663	1

Accessories

Cutting device, for THERMOMARK ROLLMASTER 300 and THERMOMARK ROLLMASTER 600	THERMOMARK ROLLMASTER-CUTTER	0804502	1
Perforation device, for THERMOMARK ROLLMASTER 300 and THERMOMARK ROLLMASTER 600	THERMOMARK ROLLMASTER-CUTTER/P	0804503	1
Adapter screw for using the existing knife THERMOMARK X1.2 CUTTER and THERMOMARK X1.2 CUTTER/P	TRM-ADAPTER SCREW	0804653	1
External media hub, for roll diameters of 150 mm to 400 mm	THERMOMARK ROLL-ERH	5146448	1
for roll diameters up to 500 mm	THERMOMARK-ERH 500	5146309	1
Standard pressure roller	TRM-PRESSURE ROLLER STANDARD	0804655	1
Pressure roller for continuous shrink sleeve	TRM-PRESSURE ROLLER 4-50	0804656	1
Transport case	THERMOMARK ROLLMASTER-CASE	0804643	1
Cleaning stick	CLEANING STICK	5146697	5
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm, black	THERMOMARK-RIBBON 110	5145384	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm, white	TM-RIBBON 110-TC/TR WH	1014402	1
Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm, black	THERMOMARK-RIBBON 110-WMTB HF	5148007	1



THERMOMARK W2, thermal transfer printer for continuous shrink sleeve





Thermal transfer for rolls



Thermal transfer printer for continuous shrink sleeve

The THERMOMARK W2 has been specially developed for double-sided printing and the perforation of WMS(-2 HF)... continuous shrink sleeves.

- Double-sided printing ensures optimum marking legibility
- R, RL, and RXL shrink sleeve rolls can be directly inserted into the device, meaning that no external media hub is required
- Guide elements ensure easy handling when inserting the sleeve
- The user-friendly interface of the CLIP PROJECT software enables you to enter custom specifications for the marking and marker length
- Ink ribbons in black and white are available for maximum contrast to the carrier material
- The printed markers can be easily and quickly separated along the perforations

Technical data

Dimensions		Width	Length	Height
	[mm]	**248**	**554**	**405**

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

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Thermal transfer printer, specially for double-sided shrink sleeve printing, incl. perforation knife, connecting cable, Windows® printer driver, operating instructions, CLIP PROJECT advanced planning and marking software	gray	**THERMOMARK W2**	5146147	1

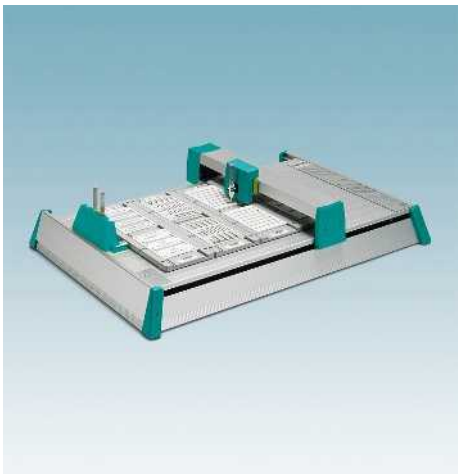
Accessories

External media hub, for roll diameters of up to 500 mm	for roll diameters up to 500 mm	**THERMOMARK-ERH 500**	5146309	1
Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm	black	**THERMOMARK-RIBBON 110-WMSU**	0801358	1
	white	**THERMOMARK-RIBBON 110-WMSU WH**	0801359	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm	black	**THERMOMARK-RIBBON 64-WMSU**	0801360	1
	white	**THERMOMARK-RIBBON 64-WMSU WH**	0801361	1
Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm	black	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm	black	**THERMOMARK-RIBBON 25-WMSU**	0803390	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm	black	**THERMOMARK-RIBBON 64-WMSE**	5145724	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm	black	**THERMOMARK-RIBBON 64-WMSU**	0801360	1
	white	**THERMOMARK-RIBBON 64-WMSU WH**	0801361	1



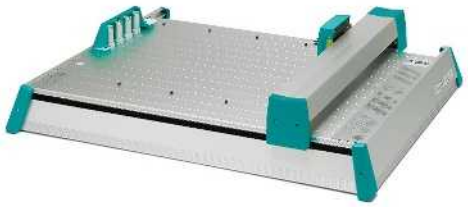
PLOTMARK

new





Plotter



Marking plotter

- During long periods of non-use, the plotter pens are stored safely in a pen station
- The pens are removed and deposited automatically
- The pen station of the PLOTMARK prevents the plotter pens from drying out
- An automatic marking preparation function ensures optimum marking results right from the first character
- The plotter is controlled 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]	**480**	**690**	**155**

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

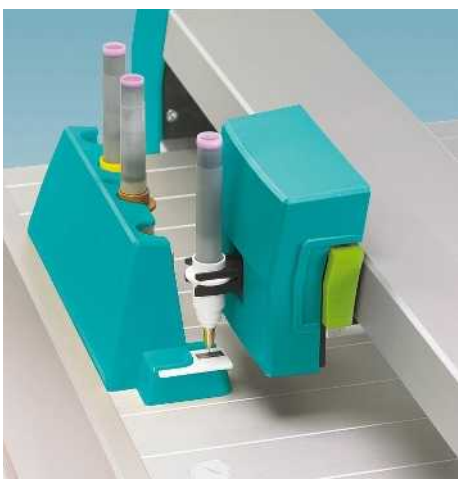
Ordering data

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

Accessories

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

Magazines and pens **See page 58**



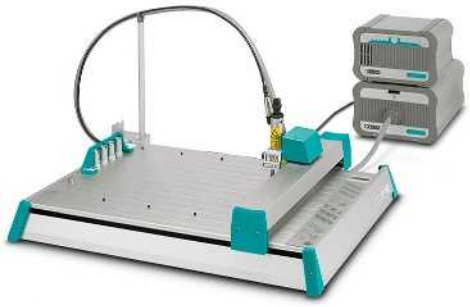
ENGRAVING UNIT

new





Engraving



Engraving unit

- The ENGRAVING UNIT is the ideal marking solution for device and component marking applications subjected to high levels of mechanical and chemical stress
- The PLOTMARK can be converted into an engraving unit quickly and easily by swapping the plotter head for the engraving device
- To allow different line thicknesses, engraving chisels with diameters ranging from 0.2 ... 1.0 mm are available as accessories
- These are supplemented by a comprehensive product range of pre-assembled engraving materials; see page 348
- These materials remain in position and do not slip when used with the CMS−P1−M/GPE ENGRAVING plotter magazine

Technical data

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

Ordering data

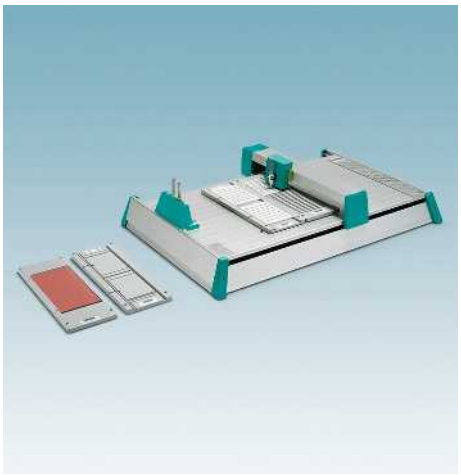
Description	Type	Order No.	Pcs./Pkt.
Engraving unit, for the PLOTMARK, incl. operating instructions (English/German), data CD and engraving chisel	**ENGRAVING UNIT**	0804500	1

Accessories

Engraving chisel, with a point angle of 15°			
Point diameter 0.2 mm	**P1 GRAVER 0.2**	5145478	1
Point diameter 0.3 mm	**P1 GRAVER 0.3**	5145481	1
Point diameter 0.4 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 CMS-P1-PLOTTER and the PLOTMARK, for accommodating EMLP ... and GPE... materials for engraving - 1 GPE label sheet	**CMS-P1-M/GPE ENGRAVING**	5145711	1



Magazines for marking plotter





Magazines for marking plotter

- Robust plastic magazines for marking all commercially available marking materials
- Even compatible with marking sheets that have already been started
- Option of partial marking
- The plotter capacity is fully utilized, thanks to the size of the magazine
- If you cannot find the right magazine for your materials, please get in touch

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Magazine for CMS-P1-PLOTTER and PLOTMARK, for accommodating: UC–TM ..., UC-TMN ..., UC3–TM ..., UC–WMC 1,9..., UC–WMC 3,1..., UC-WMTBA ..., UC–EM (17,5x9), UC–EM (18x8), UC–EM (21x8)	gray	**P1 UC-MAG 1**	5146079	1
For accommodating UC–WMC 4,4...	gray	**P1 UC-MAG 2**	5146082	1
For accommodating UC–WMC 5,6..., UC–WMC 7,5...	gray	**P1 UC-MAG 3**	5146095	1
For accommodating UC–TMF..., UC1–TMF..., UC2F–TM..., UC–WMT...	gray	**P1 UC-MAG 4**	5146105	1
For accommodating UC1–TM..., UC1U–TM..., UC2–TM...	gray	**P1 UC-MAG 5**	5146118	1
For accommodating: UC–EM..., UC–EMP..., UC–EMLP..., UC–EMSP..., and UC–WMTB...	gray	**P1 UC-MAG 6**	5146121	1
For accommodating: UC–WMCO ...	gray	**P1 UC-MAG 7**	5146568	1
Plastic magazines for CMS-P1-PLOTTER and PLOTMARK, for accommodating: - 22 zack marker strips		**CMS-P1-M/ZB**	5144699	1
- 26 flat zack marker strips or ZBN strips		**CMS-P1-M/ZBF**	5144709	1
- 2 zack marker sheets		**CMS-P1-M/ZBM**	5144660	1
- 3 flat zack marker sheets		**CMS-P1-M/ZBFM**	5144686	1
- 22 contactor 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 marking
- Wipe-resistant, high-quality print image
- Both reusable and disposable plotter pens are available



Plotter



Writing pens for marking plotter

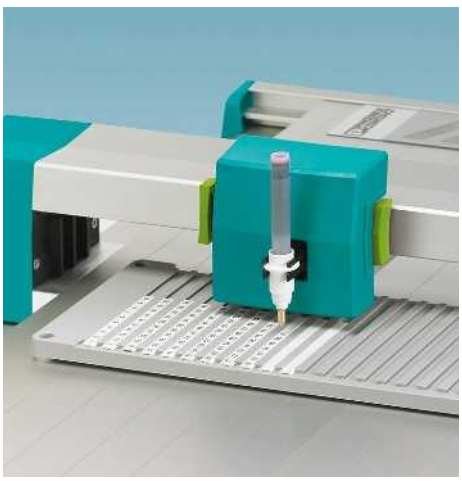
EAC

Ordering data

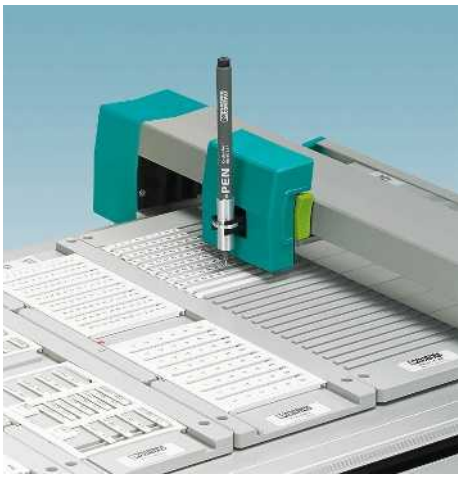
Description	Color	Type	Order No.	Pcs./Pkt.
Disposable plotter pen, non-refillable plotter pen, with pen station, completely filled with 1 ml CMS-INK-TR-C 5 ink, for high requirements				
Line thickness 0.25 mm	black	**CMS-DISPOSABLE-PEN 0,25 TR**	5146685	1
Line thickness 0.35 mm	black	**CMS-DISPOSABLE-PEN 0,35 TR**	5146686	1
Pens, incl. adapters, ink tank and pen station, for different line thicknesses, without ink				
Line thickness 0.25 mm	black	**CMS-PEN 0,25**	5067815	1
Line thickness 0.35 mm	black	**CMS-PEN 0,35**	5067828	1
Line thickness 0.50 mm	black	**CMS-PEN 0,50**	5067831	1

Accessories

Cleaning set for pens, consisting of: 1 cleaning cup, 2 cartridges, each with 10 ml cleaning liquid 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		**CMS-R-FLUID-TR-C2**	5146752	1
Cleaning solution, 30 ml		**CMS-R-FLUID-TR**	5146750	1
Ink cartridge, for CMS-PEN...		**CMS-INK-TR-C5**	5146684	1



Marker pen for plotter and manual marking



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



Pen for marking plotter

Ordering data

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

Accessories

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

Marker pen for manual labeling



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



Marker pen for manual marking

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marker pen, refillable, for manual marking, 0.35 mm line thickness, can be refilled with CMS–INK–TR–C 5, 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 marking

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



Marker pen for manual marking

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



RFMARK high-frequency handheld

RFMARK HF is a powerful handheld device for contact-free reading and writing of HF transponders. The RFMARK HF identifies and locates HF transponders. Data can be received, transmitted, and scanned on a contact-free basis and without visual contact.



RFMARK ultra-high frequency handheld

The RFMARK UHF is a powerful handheld device which is equipped with a crossed dipole antenna. This allows UHF transponders to be written and read regardless of their position. A concurrent bulk reading of multiple transponders is also possible.

Notes:

[1]) The RFMARK UHF device incl. accessories is - due to the frequency of 868 MHz - only available in European countries.

Dimensions	
	[mm]
General data	
Degree of protection	
Temperature range	[°C]
Weight	[kg]
Frequency	[MHz]
RF power	[W]
Memory	
Display	

Description
Handheld, high-frequency range
Handheld, ultra high frequency range, crossed dipole antenna[1])
Read and write USB stick, Crossed dipole antenna, range: 1 m





Charging and data exchange station, with replacement battery, connection for USB 2.0 and Ethernet, charger,
For RFMARK HF, with power supply unit and power cable (EU/UK)
For RFMARK UHF, with power supply unit and power cable (EU/UK/US/CN)
Replacement battery,
For RFMARK HF, Li-ion 7.4 V, 2.6 Ah
For RFMARK UHF, Li-ion 3.7 V, 2.26 Ah
Protective bag, with strap, protection against splash water, touch screen operation not possible
For RFMARK HF
Belt pouch, touch screen can be operated,
For RFMARK HF
Read and write USB stick,
Crossed dipole antenna, range: 1 m

Advantages and accessories

Advantages of the RFMARK readers:

– Easy operation via touch screen
– Low power consumption and long battery life
– 1D laser scanner and 2D imager

Matching accessories

You can make optimum use of the RFMARK readers and ensure they are as user-friendly as possible with our reader accessories.

Radio-frequency identification, RFID

Used for contact-free identification, data exchange or localization of transponders/tags without visual contact. An RFID handheld device transmits data through electromagnetic waves (UHF) or a magnetic field (HF) to an RFID transponder. The handheld device is thereby both the transmission and receiver unit.



Handheld, high-frequency (HF)



Handheld, ultra-high frequency (UHF)



USB stick, ultra high frequency (UHF)

Technical data

Width	Length	Height
90	**250**	**45**

IP54
-20 ... 55
0.55
13.56
-
256 MB DDR RAM
3.5" color touch screen

Ordering data

Type	Order No.	Pcs./Pkt.
RFMARK HF	5148010	1

Accessories

RFMARK HF POWER LINK STATION	5148013	1
RFMARK HF/ACCU	5148015	1
RFMARK HF PROTECTION CASE	5148017	1
RFMARK HF/BELTPOUCH	5148018	1

Technical data

Width	Length	Height
60	**147**	**39**

IP54
-20 ... 55
0.235
868
-
256 MB DDR RAM
2.2" color touch screen

Ordering data

Type	Order No.	Pcs./Pkt.
RFMARK UHF	5148011	1

Accessories

RFMARK UHF POWER LINK STATION	5148014	1
RFMARK UHF/ACCU	5148016	1
RFMARK UHF FD	5148012	1

Technical data

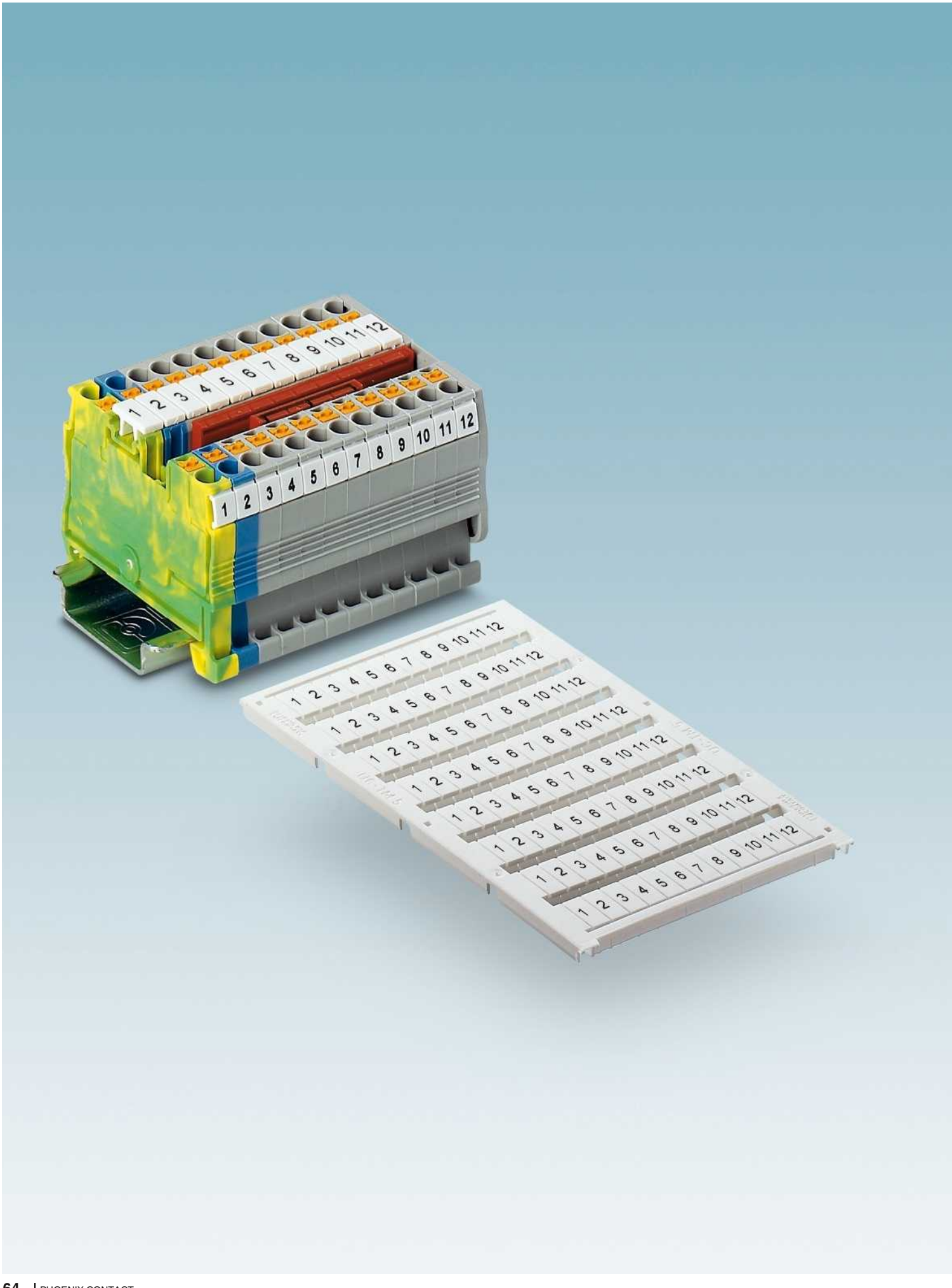
Width	Length	Height
53	**79**	**7**

-
-20 ... 55
0.022
865.6 - 867.6 and 902 - 928
ERP +20 dBm (100 mW)
-
-

Ordering data

Type	Order No.	Pcs./Pkt.
RFMARK UHF FD	5148012	1

Accessories


1 2 3 4 5 6 7 8 9 10 11 12

Terminal marking - MARKING system

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

Terminal markers from Phoenix Contact are optimally tailored to the terminal blocks. They are provided as marked and unmarked terminal markings, in card, roll or even sheet form, depending on requirements.

Product range overview

Terminal marking 66

Overview of terminal marking for Phoenix Contact 68

The right marking solution for every terminal

Overview of terminal marking for other manufacturers 88

Phoenix Contact offers the right marking solution for every terminal

UC-TM... UniCard terminal marking

For tall marker groove 118
For flat marker groove 120

ZB... zack marker strip terminal marking

For tall marker groove 124
For flat marker groove 134

UCT-TM... UniCard terminal marking

For tall marker groove 140
For flat marker groove 142

US-TM... UniSheet terminal marking

For universal marker groove 144
For flat marker groove 145

TMT... terminal marking supplied in rolls

Marker strips for tall and flat marker grooves 148

TML... terminal marking supplied in rolls

Self-adhesive markers for terminal blocks without marker groove 152

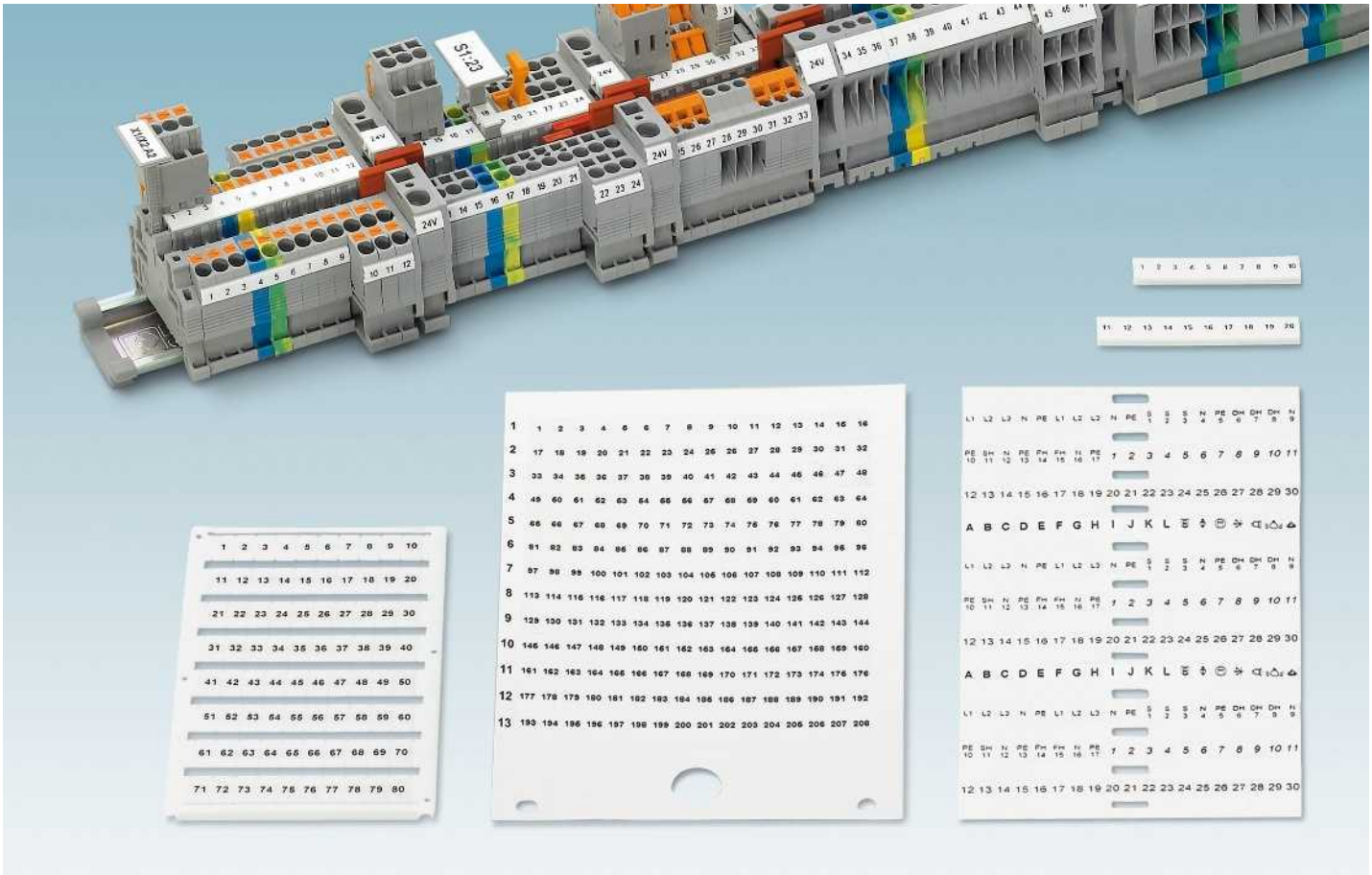
SK... terminal marking supplied as card material

Self-adhesive markers for terminal blocks without marker groove 156

Group marker labels and warning labels 160

Terminal marking for terminal blocks from other manufacturers 164

Terminal marking



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

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

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

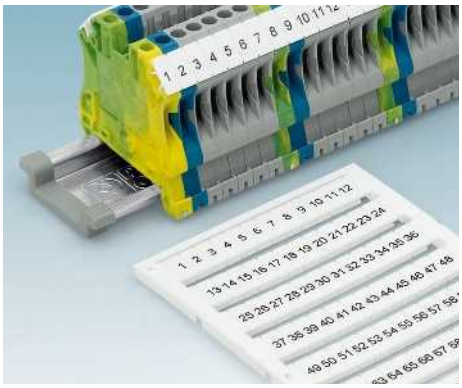
The combination of printing system and marking material ensures high quality with regards to optics, wipe and scratch resistance.

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

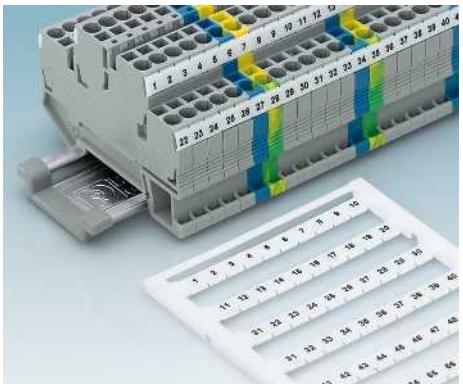
– TOPMARK LASER, laser marker for marking UniCard formats
– BLUEMARK CLED, high-speed printer with UV-LED technology for marking UniCard formats
– THERMOMARK CARD and THERMOMARK PRIME, thermal transfer card printer for marking UniSheet and UniCard formats
– THERMOMARK ROLL, thermal transfer roll printer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

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

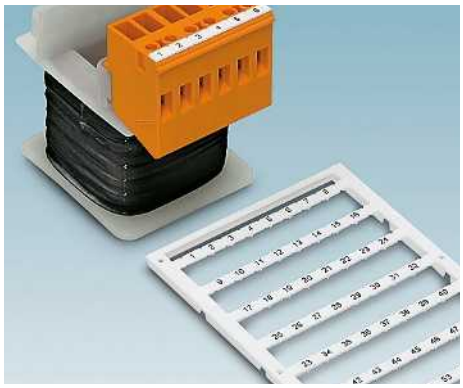
If you do not have the option of creating markings yourself, you can turn to our marking service. We will be happy to handle your printing orders.



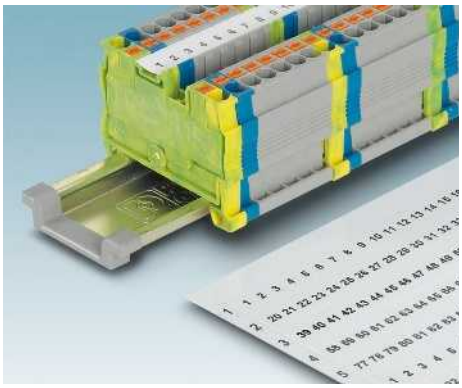
Markers are available in the UniCard and UniSheet formats for the marking of terminal blocks with a vertical marker groove. They can be supplied unprinted or printed in accordance with customer requirements.



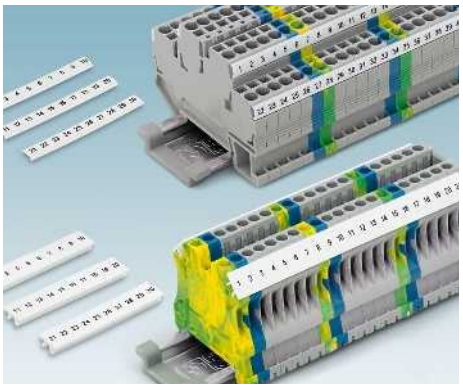
Markers are available in the UniCard and UniSheet formats for terminal blocks, modules, and connectors with a flat marker groove. They can be supplied unprinted or printed in accordance with customer requirements.



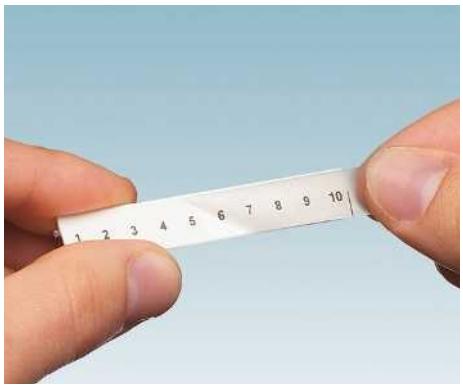
Miniature terminal blocks/transformer terminal blocks have neither a flat nor a tall marker groove. Special markers are available in UniCard format for the purpose of marking such terminal blocks.



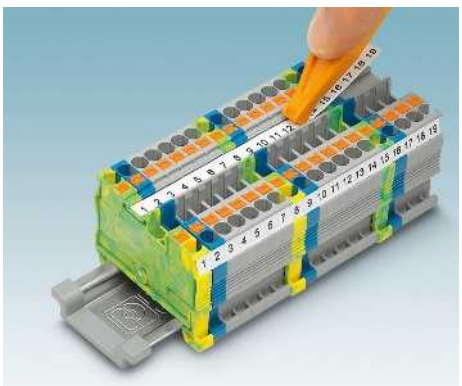
The universal marker groove can be marked with markers in UniSheet format. These are available unprinted or printed in accordance with customer requirements.



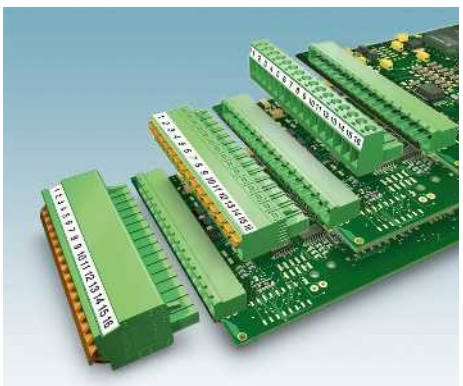
10-section zack marker strips are available in tall and flat versions. They are used to mark terminal blocks, modules or connectors and can be supplied unprinted or printed.



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



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



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



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

Terminal marking for Phoenix Contact



		ZB ...see from page 124									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM...see from page 118									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 140									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT ...see from page 148									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Screw terminal blocks		**Tall marker groove**									
DFK 4 ...	6										
DFK 5 ...	9.5										
DIK ...1,5 ...	6										
DLK ...	6										
DOK ...1,5 ...	6										
GTF 76	22.5										
HDFK ... 50 ...	18.8										
HDFK ... 95 ...	25										
MBK 6 ...	8										
MBKKB 2,5 ...	5										
MSLKG 6 ...	8										
MTK ...	5										
OTTA 2,5 ...	9										
OTTA 2,5-PE	10										
OTTA 6 ...	11										
OTTA 6-PE	12										
OTTA 25 ...	18										
PIK 4 ...	6										
PIK 6 ...	8										
SLKK 5 ...	6										
SSK 0525 KER-EX	6										
SSK 110 KER-EX	8.4										
SSK 116 KER-EX	10.4										
SSK 135 KER-EX	15.3										
UDK 3 ...	5										
UDK 4 ...	6										
UDMTK 5 ...	6										
UGSK ...	8										
UHK 4 ...	6										
UHSK/S 2000 ...	10										

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

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

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

Terminal marking for Phoenix Contact



		ZBF... see from page 134										
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464		
		UC-TMF...see from page 120										
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100	
		UCT-TMF... see from page 142									0829260	
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...	
		TMT ...R...see from page 148									100 R	(Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605	0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous	
Screw terminal blocks		**Flat marker groove**										
DFK 4 ...	6											
DFK 5 ...	9.5											
DIK ...1,5 ...	6											
DLK ...	6											
DOK ... 1,5 ...	6											
GTF 76	22.5											
HDFK ... 50 ...	18.8											
HDFK ... 95 ...	25											
MBK 6 ...	8											
MBKKB 2,5 ...	5											
MSLKG 6 ...	8											
MT 1,5 ...	4											
MTK ...	5											
MTTB 1,5 ...	4											
MUT 2,5 ...	5											
MUT 4 ...	6											
OTTA 2,5 ...	9											
OTTA 2,5-PE	10											
OTTA 6 ...	11											
OTTA 6-PE	12											
OTTA 25 ...	18											
PIK 4 ...	6											
PIK 6 ...	8											
SLKK 5 ...	6											
SSK 0525 KER-EX	6											
SSK 110 KER-EX	8.4											
SSK 116 KER-EX	10.4											
SSK 135 KER-EX	15.3											
UDK 3 ...	5											
UDK 4 ...	6											
UDMTK 5 ...	6											
UGSK ...	8											
UHK 4 ...	6											
UHSK/S 2000 ...	10											

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

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

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

Terminal marking for Phoenix Contact



		ZB ...see from page 124										
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461		
		UC-TM...see from page 118										
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100	
		UCT-TM... see from page 140									0829255	
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...	
		TMT ...see from page 148									100 R	(Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605	0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous	
Screw terminal blocks		**Tall marker groove**										
UIK ... 16 ...	12											
UIK ... 35 ...	15.2											
UISLKG 16 ...	12											
UISLKG 35 ...	12											
UK 1,5 ...	4											
UK 2,5 ...	5											
UK 3 ...	5											
UK 4 ...	6											
UK 5 ...	6											
UK 5-HESI ...	8											
UK 5-MTD ...	8											
UK 6 ...	8											
UK 6,3-HESI ...	10.2											
UK 6-FSI ...	8											
UK 6-HEDI ...	8											
UK 10 ...	10											
UK 10-DREHSI ...	12											
UK 10,3 ... HESI ...	18											
UK 16 ...	12											
UK 35 ...	16											
UKD 6 ...	8											
UKH 50 ...	20											
UKH 70 ...	20.3											
UKH 95 ...	25											
UKH 150 ...	31											
UKH 240 ...	36											
UKK ... 3 ...	5											
UKK 4 ...	6											
UKK ...5 ...	6											
UKK 5-HESI ...	8											
UKK ...10 ...	10											
UKN 2,5 ...	6											
UKN 5 ...	6											
UKN 6 ...	8											

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

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

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

Terminal marking for Phoenix Contact



		ZBF... see from page 134									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 120									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 142									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 148									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Screw terminal blocks		**Flat marker groove**									
UIK ... 16 ...	12								■		
UIK ... 35 ...	15.2										
UISLKG 16 ...	12								■		
UISLKG 35 ...	12										
UK 1,5 ...	4		■								
UK 2,5 ...	5			■							
UK 3 ...	5			■							
UK 4 ...	6				■						
UK 5 ...	6				■						
UK 5-HESI ...	8				■						
UK 5-MTD ...	8					■					
UK 6 ...	8						■				
UK 6,3-HESI ...	10.2										
UK 6-FSI ...	8						■				
UK 6-HEDI ...	8				■						
UK 10 ...	10							■			
UK 10-DREHSI ...	12								■		
UK 10,3 ... HESI ...	18										
UK 16 ...	12								■		
UK 35 ...	16									■	
UKD 6 ...	8						■				
UKH 50 ...	20										
UKH 70 ...	20.3										
UKH 95 ...	25										
UKH 150 ...	31										
UKH 240 ...	36										
UKK ... 3 ...	5			■							
UKK 4 ...	6				■						
UKK ...5 ...	6				■						
UKK 5-HESI ...	8						■				
UKK ...10 ...	10							■			
UKN 2,5 ...	6				■						
UKN 5 ...	6				■						
UKN 6 ...	8						■				

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

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

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

Terminal marking for Phoenix Contact



		ZB ...see from page 124									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM...see from page 118									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 140									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT ...see from page 148									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Screw terminal blocks		**Tall marker groove**									
UKN 10 ...	8										
UKN 16 ...	12										
UKN 35 ...	15										
UK-SI ...	8										
UR ... K ...	8										
USIG ...	10										
USK 4 ...	6										
USLKG 1,5 ...	4										
USLKG 2,5 ...	5										
USLKG 3 ...	5										
USLKG 5 ...	6										
USLKG 6 ...	8										
USLKG 10 ...	10										
USLKG 16 ...	12										
USLKG 35 ...	16										
USST ... 4 ...	6										
USST ... 6 ...	8										
USST ... 10 ...	10										
UT ... 2,5 ...	5										
UT ... 4 ...	6										
UT 4-...HE...I ...	6										
UT ... 6 ...	8										
UT ... 10 ...	10										
UT ... 16 ...	12										
UT ... 35 ...	16										
UVKB 4 ...	6										
UW ... 4 ...	8										
UW ... 10 ...	10										
UW ... 16 ...	12										
UW ... 25 ...	15										
UXKK 4 ...	6										
VBST ... 4 ...	6										
VIOK ...1,5 ...	6										

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

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

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

Terminal marking for Phoenix Contact



		ZBF... see from page 134									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 120									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 142									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 148									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Screw terminal blocks		**Flat marker groove**									
UKN 10 ...	8						■				
UKN 16 ...	12								■		
UKN 35 ...	15										
UK-SI ...	8						■				
UR ... K ...	8						■				
USIG ...	10							■			
USK 4 ...	6				■						
USLKG 1,5 ...	4		■								
USLKG 2,5 ...	5			■							
USLKG 3 ...	5			■							
USLKG 5 ...	6				■						
USLKG 6 ...	8						■				
USLKG 10 ...	10							■			
USLKG 16 ...	12								■		
USLKG 35 ...	16									■	
USST ... 4 ...	6				■						
USST ... 6 ...	8						■				
USST ... 10 ...	10							■			
UT ... 2,5 ...	5			■							
UT ... 4 ...	6				■						
UT 4-...HE...I ...	6				■						
UT ... 6 ...	8						■				
UT ... 10 ...	10							■			
UT ... 16 ...	12								■		
UT ... 35 ...	16									■	
UVKB 4 ...	6				■						
UW ... 4 ...	8						■				
UW ... 10 ...	10							■			
UW ... 16 ...	12								■		
UW ... 25 ...	15										
UXKK 4 ...	6				■						
VBST ... 4 ...	6				■						
VIOK ...1,5 ...	6				■						

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

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

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

Terminal marking for Phoenix Contact



		ZB ...see from page 124								
			0829414	1050004	1051003	1054000	1052002	1053001	0812120	0827461
		UC-TM...see from page 118								
				0818108	0818085		0818072	0818069	0819194	0819217
		UCT-TM... see from page 140								
		0803666	0829484	0828734	0828736	0828738	0828740	0829142	0829144	0829146
		TMT ...see from page 148								
				0816430	0816498		0816553	0816210		
	Pitch	U (3,5x7)	3.5	5	6	7.62	8	10	12	16
Push-in connection terminal blocks		**Tall marker groove**								
PT 1,5/S ...	3.5									
PT 2,5 ...	5									
PT 4 ...	6									
PT...4-HESI ...	6									
PT 6 ...	8									
PT 10 ...	10									
PT 16...TWIN ...	12									
PTB 2,5 ...	5									
PTC 2,5 ...	5									
PTI 4 ...	6									
PTI 6 ...	8									
PTIO 1,5/S ...	3.5									
PTIO-IN ...	7									
PTME...4 ...	6									
PTME...6 ...	8									
PTN 2,5 ...	5									
PTN 4 ...	6									
PTN 6 ...	8									
PTPOWER 35 ...	16									
PTPOWER 50 ...	20									

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

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

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

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

Terminal marking for Phoenix Contact



		ZBF... see from page 134									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 120									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 142									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 148									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Push-in connection terminal blocks		**Flat marker groove**									
MPT 1,5/S ...	3.5	■									
MPT 2,5 ...	5	■	■	■							
PT 1,5/S ...	3.5	■									
PT 1,5/S-3L	3.5	■									
PT 1,5/S-PE ...	3.5	■									
PT 2,5 ...	5	■	■	■							
PT 2,5-3L	5	■	■	■							
PT 2,5-PE/L/L	5	■	■	■							
PT 4 ...	6	■	■	■	■						
PT 4-FSI ...	6	■	■	■	■						
PT 4-MT ...	6	■	■	■	■						
PT 4-TG ...	6	■	■	■	■						
PT...4-HESI ...	6	■	■	■	■						
PT 6 ...	8	■	■	■	■	■	■				
PT 10 ...	10	■	■	■	■	■	■	■			
PT 10,3-HESI ...	10.3	■	■	■	■	■	■	■			
PT 16...TWIN ...	12	■	■	■	■	■	■	■	■		
PTB 2,5 ...	5	■	■	■							
PTC 2,5 ...	5	■	■	■							
PTI 2,5 ...	5	■	■	■							
PTI 4 ...	6	■	■	■	■						
PTI 4-L ...	6	■	■	■	■						
PTI 4-PE ...	6	■	■	■	■						
PTI 6 ...	8	■	■	■	■	■	■				
PTIO 1,5/S ...	3.5	■									
PTIO-IN ...	7	■	■	■							
PTME...4 ...	6	■	■	■	■						
PTME...6 ...	8	■	■	■	■	■	■				
PTN 2,5 ...	5	■	■	■							
PTN 4 ...	6	■	■	■	■						
PTN 6 ...	8	■	■	■	■	■	■				
PTPOWER 35 ...	16	■	■	■	■	■	■	■	■	■	
PTPOWER 50 ...	20	■	■	■	■	■	■	■	■	■	

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

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

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

Terminal marking for Phoenix Contact



		ZB ...see from page 124									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM...see from page 118									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 140									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT ...see from page 148									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Push-in connection terminal blocks		**Tall marker groove**									
PTPOWER 95 ...	25										
PTPOWER 150 ...	31										
PTS 1,5/S ...	3.5										
PTS 2,5 ...	5										
PTTBS 1,5/S ...	3.5										
PTTBS 2,5 ...	5										
PTU 2,5 ...	5										
PTU 4 ...	6										

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

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

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

Terminal marking for Phoenix Contact



		ZBF... see from page 134									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 120									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 142									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 148									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Push-in connection terminal blocks		**Flat marker groove**									
PTPOWER 95 ...	25										
PTPOWER 150 ...	31										
PTS 1,5/S ...	3.5										
PTS 2,5 ...	5										
PTT 1,5/S	3.5										
PTT 2,5 ...	5										
PTTB 1,5/S ...	3.5										
PTTB 2,5 ...	5										
PTTB 4 ...	6										
PTTBS 1,5/S ...	3.5										
PTTBS 2,5 ...	5										
PTU 2,5 ...	5										
PTU 4 ...	6										
PTU 4-MT ...	6										
PTU 4-TG ...	6										
PTU...6 ...	8										

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

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

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

Terminal marking for Phoenix Contact



		ZB ...see from page 124									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM...see from page 118									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 140									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT ...see from page 148									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Spring-cage connection terminal blocks		**Tall marker groove**									
SGSK 6 ...	8										
SRDK 6 ...	8										
SRTK 6 ...	8										
ST 1,5 ...	4										
ST 1,5/S ...	3.5										
ST 2,5 ...	5										
ST 2,5-PE/3L	5										
ST 35 ...	16										
ST 4 ...	6										
ST 4-MT	6										
ST 6 ...	8										
ST 10 ...	10										
ST 16 ...	12										
STI 2,5 ...	5										
STI 4 ...	6										
STIO 2,5 ...	5										
STME... 6 ...	8										
STN 2,5 ...	5										
STN 4 ...	6										
STN 10 ...	10										
STN 16 ...	12										
STN 35 ...	16										
STS 2,5 ...	5										
STS 4 ...	6										
STS 6 ...	8										

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

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

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

Terminal marking for Phoenix Contact



		ZBF... see from page 134									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 120									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 142									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 148									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Spring-cage connection terminal blocks		**Flat marker groove**									
MS ... 2,5 ...	5										
MZFKK ...1,5 ...	5										
SGSK 6 ...	8										
SRDK 6 ...	8										
SRTK 6 ...	8										
ST 1,5 ...	4										
ST 1,5/S ...	3.5										
ST 2,5 ...	5										
ST 2,5-3L ...	5										
ST 2,5-PE/3L	5										
ST 2,5-PE/L/N	5										
ST 35 ...	16										
ST 4 ...	6										
ST 4-MT	6										
ST 4-TG ...	6										
ST 6 ...	8										
ST 10 ...	10										
ST 16 ...	12										
STI 2,5 ...	5										
STI 4 ...	6										
STI 10 ...	10										
STI 16 ...	12										
STIO 2,5 ...	5										
STIO-IN 2,5 ...	5										
STME... 6 ...	8										
STN 2,5 ...	5										
STN 4 ...	6										
STN 10 ...	10										
STN 16 ...	12										
STN 35 ...	16										
STS 2,5 ...	5										
STS 4 ...	6										
STS 6 ...	8										

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

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

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

Terminal marking for Phoenix Contact



		ZB ...see from page 124									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM...see from page 118									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 140									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT ...see from page 148									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Spring-cage connection terminal blocks		**Tall marker groove**									
STTBS 2,5 ...	5										
STTBS 4 ...	6										
STU 2,5 ...	5										
STU 4 ...	6										
STU 10 ...	10										
STU 35 ...	16										
ZFK 6-DREHSI ...	12										
ZGSK ...	8										
ZR ...	8										
ZRV ...	7.62										
Fast connection terminal blocks		**Tall marker groove**									
QTC 1,5 ...	5										
QTC 2,5 ...	6										
QTCS 1,5 ...	5										
QTCS 2,5 ...	6										
QTCU 1,5 ...	5										
QTCU 2,5 ...	6										

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

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

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

Terminal marking for Phoenix Contact



		ZBF... see from page 134									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 120									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 142									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 148									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Spring-cage connection terminal blocks		**Flat marker groove**									
STTB 1,5 ...	4										
STTB 2,5 ...	5										
STTB 4 ...	6										
STTBS 2,5 ...	5										
STTBS 4 ...	6										
STTBU 4 ...	6										
STU 2,5 ...	5										
STU 4 ...	6										
STU 10 ...	10										
STU 35 ...	16										
ZDMTK 2,5 ...	5										
ZFK 6-DREHSI ...	12										
ZFKK 2,5 ...	6										
ZGSK ...	8										
ZPV ...	5										
ZR ...	8										
ZRV ...	7.62										
Fast connection terminal blocks		**Flat marker groove**									
QTC 1,5 ...	5										
QTC 2,5 ...	6										
QTCS 1,5 ...	5										
QTCS 2,5 ...	6										
QTCU 1,5 ...	5										
QTCU 2,5 ...	6										
QTCU 2,5-TWIN-MT	6										
QTTCB ... 1,5 ...	5										

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

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

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

Terminal marking for Phoenix Contact



		ZB ...see from page 124									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM...see from page 118									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 140									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT ...see from page 148									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Plug-in connection solutions		**Tall marker groove**									
PPCT 6 ...	8										
PT 1,5 ... P ...	3.5										
PT 2,5 ... P ...	5										
PT 4 ... P ...	6										
PT 6 ... P ...	8										
PTME 6 ...1P ...	8										
PTMED 6 ...1P ...	8										
PTS 1,5 ...1P ...	3.5										
PTTB 1,5 ...4P ...	3.5										
PTTBS 1,5 ...2P ...	3.5										
PTTBS 2,5 ...2P ...	5										
QTC 1,5 ...1P ...	5										
ST 2,5 ... P ...	5										

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

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

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

Terminal marking for Phoenix Contact



		ZBF ...see from page 134									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 120									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 142									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 148									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Plug-in connection solutions		**Flat marker groove**									
FC 4-PCB ...	78										
MPT 1,5 ...1P ...	3.5										
PPC 1,5 ...	3.5										
PPC 6 ...	8										
PPCT 6 ...	8										
PP-H 1,5 ...	3.5										
PP-H 2,5 ...	5										
PP-H 4 ...	6										
PP-H 6 ...	8										
PT 1,5 ... P ...	3.5										
PT 2,5 ... P ...	5										
PT 4 ... P ...	6										
PT 6 ... P ...	8										
PTME 6 ...1P ...	8										
PTMED 6 ...1P ...	8										
PTS 1,5 ...1P ...	3.5										
PTTB 1,5 ...2P ...	3.5										
PTTB 1,5 ...4P ...	3.5										
PTTB 2,5 ...2P ...	5										
PTTBS 1,5 ...2P ...	3.5										
PTTBS 2,5 ...2P ...	5										
QP 1,5 ...	5										
QTC 1,5 ...1P ...	5										
QTTCB 1,5 ...2P ...	5										
SC 2,5 ...	5										
SC 4 ...	6										
SP 4 ...	6										
SPB ... 2,5 ...	5										
SPH 2,5 ...	5										
SPV 2,5 ...	5										
ST 2,5 ... P ...	5										
ST 2,5-PCB ...	5										

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

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

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

Terminal marking for Phoenix Contact



		ZB ...see from page 124									
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461	
		UC-TM...see from page 118									
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100
		UCT-TM... see from page 140									0829255
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...
		TMT ...see from page 148									100 R / (Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Plug-in connection solutions		**Tall marker groove**									
ST 4 ... P ...	6										
STTB 2,5 ...4P ...	5										
UPCT 4 ...	12.4										
UT 2,5 ...1P...	5										
UT 4 ... P ...	6										
UT 6 ... P ...	8										
UTME 4 ...1P ...	6										

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

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

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

Terminal marking for Phoenix Contact



		ZBF ...see page 134									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 120									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 142									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 148									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Plug-in connection solutions		**Flat marker groove**									
ST 2,5-PCB ...	10.4										
ST 4 ... P ...	6										
ST 4-PCB ...	6										
STTB 2,5 ...2P ...	5										
STTB 2,5 ...4P ...	5										
UP 4 ...	6										
UP 6 ...	8										
UPBV 2,5 ...	5										
UPBV 4 ...	6										
UPCT 4 ...	12.4										
UT 2,5 ...1P...	5										
UT 4 ... P ...	6										
UT 6 ... P ...	8										
UTME 4 ...1P ...	6										
UTTB 2,5 ...2P ...	5										

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

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

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

Terminal marking for Phoenix Contact



		ZB ...see from page 124										
		0829414	0805001	1050004	1051003	1054000	1052002	1053001	0812120	0827461		
		UC-TM...see from page 118										
			0818111	0818108	0818085		0818072	0818069	0819194	0819217	US-TM 100	
		UCT-TM... see from page 140									0829255	
		0829484	0828732	0828734	0828736	0828738	0828740	0829142	0829144	0829146	TMT...	
		TMT ...see from page 148									100 R	(Ex9,5)R
			0816375	0816430	0816498		0816553	0816210			0816605	0828295
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous	
Bolt connection terminal blocks		**Tall marker groove**										
HV M5 ...	13											
HV M6 ...	16											
HV M8 ...	21											
HV M10 ...	32											
HV M12 ...	32											
RBO 5 ...	13											
RBO 6 ...	17											
RBO 8 ...	29											
RBO 10 ...	41											
RBO 12 ...	49											
RBO 16 ...	54.9											
RSC 4 ...	9											
RSC 5 ...	13											
RSC 6 ...	17											
RT 3 ...	12											
RT 4 ...	12											
RT 5 ...	16											
RT 8 ...	20.3											
RTO 3 ...	12											
RTO 5 ...	16											
RTO 8 ...	20.3											
UHV 25 ...	26											
UHV 50 ...	32											
UHV 95 ...	40											
UHV 150 ...	46											
UHV 240 ...	53											

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

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

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

Terminal marking for Phoenix Contact



		ZBF ...see page 134									
		0829392	0808587	0808642	0808710		0808781	0809997	0809735	0827464	
		UC-TMF...see from page 120									
			0818166	0818153	0818140		0818137	0818124	0819233	0819262	US-TMF 100
		UCT-TMF... see from page 142									0829260
		0829486	0828742	0828744	0828746		0828748	0829204	0829214	0829218	TMT...
		TMT ...R...see from page 148									100 R / (Ex6,2)R
			0816375	0816430	0816498		0816553	0816210			0816605 / 0803063
	Pitch	3.5	4	5	6	7.62	8	10	12	16	Continuous
Bolt connection terminal blocks		**Flat marker groove**									
HV M5 ...	13										
HV M6 ...	16										
HV M8 ...	21										
HV M10 ...	32										
HV M12 ...	32										
RBO 5 ...	13										
RBO 6 ...	17										
RBO 8 ...	29										
RBO 10 ...	41										
RBO 12 ...	49										
RBO 16 ...	54.8										
RSC 4 ...	9										
RSC 5 ...	13										
RSC 6 ...	17										
RT 3 ...	12										
RT 4 ...	12										
RT 5 ...	16										
RT 8 ...	20.3										
RTO 3 ...	12										
RTO 5 ...	16										
RTO 8 ...	20.3										
UHV 25 ...	26										
UHV 50 ...	32										
UHV 95 ...	40										
UHV 150 ...	46										
UHV 240 ...	53										

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

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

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

Terminal marking for ABB



		UCT6M-TM ... see from page 173		
		0830756	0830757	0830758
		UM6M-TM ... see from page 181		
		0830928	0830926	0830939
	Pitch	5	6	8
Screw connection terminal blocks			**Tall marker groove**	
CDS4 ...	5.2			
CDS4 ... R1	6			
ZDS4 ...	5.2			
ZDS4 ... R1	6			
ZS4 ...	5.2			
ZS4 ... R ...	6			
ZS4 ... SF1 ...	8			
ZS4-R1	8			
ZS4-SF ...	6			
ZS4-S-R3	8			
ZS6 ...	6			
ZS10 ...	8			
ZS16 ...	10			
ZS25 ...	12			
ZS35 ...	16			
ZS50 ...	16			
ZS70 ...	22			
ZS95 ...	26			
Spring-cage connection terminal blocks			**Tall marker groove**	
CDK2,5 ...	5.2			
CDK4 ...	6			
ZDK2,5 ...	5.2			
ZDK4 ...	6			
ZK2,5 ...	5.2			
ZK2,5 ... R1 ...	6			
ZK2,5 ... SF ...	6			
ZK4 ...	6			
ZK6 ...	8			
ZK10 ...	10			
ZK16 ...	12			

Phoenix Contact pitch marking material, identical to that from ABB

Phoenix Contact pitch marking material, smaller than that from ABB

Terminal marking for Allen Bradley / Rockwell



		UC1-TMF ...		UC1-TM...see from page 164						
		0821425	0821483	0821784		0821247		0821739		
		UCT1-TMF ...		UCT1-TM ... see from page 170						
		0829237	0829243	0829482		0829483				
		UM1-TMF ...		UM1-TM ... see from page 176						
		(5x5)	(6x5)	(5x10)	(5x12)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830902	0830904	0830905	0830912	0830903	0830909	0830906	0830920	0830916
	Pitch	5	6	5	5	6	6	8	8	12
Screw connection terminal blocks				**Flat marker groove**						
1492-J3	5.1									
1492-J3P	5.1									
1492-J4	6.1									
1492-J6	8.1									
1492-J10	10									
1492-J16	12									
1492-J35	16									
1492-JD3 ...	5.1									
1492-JD3P	5.1									
1492-JD4 ...	6.1									
1492-JG3	5.1									
1492-JG4	6.1									
1492-WTF3 ...	5.1									
1492-WTS3 ...	5.1									

Phoenix Contact pitch marking material, identical to that from Allen Bradley Rockwell

Phoenix Contact pitch marking material, smaller than that from Allen Bradley Rockwell

Terminal marking for Cabur



		UCT5-TM... see from page 172		
			0828750	0828752
		UM5-TM...see from page 181		
		(4x10)	(5x10)	(6x10)
		0830938	0830922	0830919
	Pitch	4	5	6
Screw connection terminal blocks			**Tall marker groove**	
AFO.2 ...	6.5			
CBC. 2 ...	5			
CBC.4 ...	6			
CBC.6 ...	8			
CBC.10 ...	10			
CBC.16 ...	12			
CBC.35 ...	16			
CBD.2 ...	5.5			
CBD.4 ...	6.5			
CBD.6 ...	8			
CBD.10 ...	10			
CBD.16 ...	12			
CBD.35 ...	16			
CBD.50 ...	18			
CBD.70 ...	20.5			
CBE.2 ...	5			
CBR.2 ...	5			
CDA.70 ...	27			
CDA.120 ...	32			
CDA.185 ...	38			
CNT.6 ...	8			
CNT.16 ...	12			
CNT.35 ...	16			
CPF/5 ...	6			
CVF.4 ...	7.5			
DAS.4 ...	6			
DBC.2 ...	5			
DSFA.4 ...	6			
DSS.4 ...	6			
EDM.2 ...	5.5			
EDM.4 ...	6.5			
EDM.6 ...	8			
EDM.10 ...	10			

Phoenix Contact pitch marking material, identical to that from Cabur

Phoenix Contact pitch marking material, smaller than that from Cabur

Terminal marking for Cabur



		UCT5-TM... see from page 172		
			0828750	0828752
		UM5-TM...see from page 181		
		(4x10)	(5x10)	(6x10)
		0830938	0830922	0830919
	Pitch	4	5	6
Screw connection terminal blocks		**Tall marker groove**		
EDM.16 ...	12			
EDM.25 ...	16			
EDM.35 ...	18.5			
EDM.70 ...	21			
FFS.4 ...	6.5			
FLD.10 ...	11			
FP ... 10 ...	12			
FVS.4 ...	6.5			
GPA.70 ...	20.5			
GPA.95 ...	26			
GPA.150 ...	31			
GPA.240 ...	37			
GPM.95 ...	32			
GPM.150 ...	42			
GPM.240 ...	52			
MAC.6 ...	8			
MPFA.4 ...	6			
MPS.2 ...	5.5			
MPS.4 ...	6			
RFI.2 ...	6			
RN. ...	8			
RP.4 ...	9			
SCB.6 ...	8			
SCB.10 ...	10.5			
SCX.10 ...	10.5			
SF ... 4	8			
SF ... 10	12			
SFR.6 ...	10			
SV.2 ...	5.5			
SV.4 ...	7			
SV.6 ...	8			
SV.10 ...	10.5			
TC ...	5.5			

Phoenix Contact pitch marking material, identical to that from Cabur

Phoenix Contact pitch marking material, smaller than that from Cabur

Terminal marking for Cabur



		UCT5-TM... see from page 172		
			0828750	0828752
		UM5-TM...see from page 181		
		(4x10)	(5x10)	(6x10)
		0830938	0830922	0830919
	Pitch	4	5	6
Screw connection terminal blocks			**Tall marker groove**	
TDE.2 ...	6.2			
TE ... 2 ...	5.5			
TE ... 4 ...	6.5			
TE ..... 6 ...	8			
TE ... 10 ...	10			
TE ... 16 ...	12			
TE ... 35 ...	16			
TE ... 50 ...	18			
TE ... 70 ...	20.5			
TL ... 2 ...	6.2			
TR.2 ...	5			
TR.4 ...	7.3			
VL.16 ...	29			
VLM.10 ...	13			
VP ... 2 ...	5.08			
Push-in connection terminal blocks			**Tall marker groove**	
NCS	6.2			
NCV	6.2			

Phoenix Contact pitch marking material, identical to that from Cabur

Phoenix Contact pitch marking material, smaller than that from Cabur

Terminal marking for Cabur



		UCT5-TM... see from page 172		
			0828750	0828752
		UM5-TM...see from page 181		
		(4x10)	(5x10)	(6x10)
		0830938	0830922	0830919
	Pitch	4	5	6
Spring-cage connection terminal blocks			**Tall marker groove**	
CHP.2 ...	5.2			
HCD.1 ...	5.08			
HFR.4 ...	6.2			
HLD.2 ...	5.2			
HM ... 1 ...	4.2			
HM ... 2 ...	5.2			
HM ... 4 ...	6.2			
HM ... 6 ...	8.2			
HM ... 10 ...	10			
HM ... 16 ...	12			
HMF.4 ...	8			
HMR.16 ...	12.8			
HSCB.4 ...	6.2			
HTE.1 ...	4.2			
HTE.2 ...	5.2			
HTE.4 ...	6.2			
HTE.6 ...	8.2			
HTE.10 ...	10			
HTE.16 ...	12			
HTTE.2 ...	5.2			
HVPC.2 ...	5.2			
HVTE.2 ...	5.2			

Phoenix Contact pitch marking material, identical to that from Cabur

Phoenix Contact pitch marking material, smaller than that from Cabur

Terminal marking for CONTA-CLIP



		UC1-TMF ...					UC1-TM...see from page 164									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...					UCT1-TM... see from page 170									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ...					UM1-TM...see from page 176									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
BKA 2,5	5															
BKA 4	6															
BKA 10	8															
DLI ... 2,5	6															
FF 1/15	6															
FF 2,5	6															
IK ... 2,5	5															
KBL 2,5	5															
KBL 2,5-4	6															
KBL 6	8															
NT 2,5	6															
NT 6	8															
P ... K 10 ...	8															
RK 1,5	6															
RK 2,5	5															
RK 2,5-4	6															
RK 6	8															
RK 16	12															
RK 35	16															
RK 50	20															
RK 95	25															
RK 150	31															
RK 240	36															
RKB 4	6															
RKD 2,5	5															
RKD 4	6															

Phoenix Contact pitch marking material, identical to that from CONTA-CLIP

Phoenix Contact pitch marking material, smaller than that from CONTA-CLIP

Terminal marking for CONTA-CLIP



		UC1-TMF ...					UC1-TM...see from page 164									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...					UCT1-TM... see from page 170									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ...					UM1-TM...see from page 176									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
RKDG 4	6	■	■	■	■		■	■	■	■	■	■	■			
SF 2,5	6	■	■	■	■		■	■	■	■	■	■	■			
SIK 10 PA	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SIK 10/Z	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SK 1	12.2	■	■	■	■	■										
SL ... 2,5	6	■	■	■	■		■	■	■	■	■	■	■			
SL 4/15	7	■	■	■	■											
SL 4/35	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SL 10	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SL 16	12	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SL 35	16	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SMAG 4/2,5	5.9	■	■	■												
SMAG 6/4	6.6	■	■	■	■											
SMAG 10/6	8.3	■	■	■	■	■										
SPTK 10 ...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SRK ... 10 ...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SRK ... 2,5 ...	5	■	■	■			■	■	■	■						
SRK ... 4 ...	6	■	■	■	■		■	■	■	■	■	■	■			
SRK 6	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SRK 16	12.1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SRK 35	16.1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SRK 50	18.5	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SRK 70	20.5	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SRK 120	27	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SSIK 4	6.1	■	■	■	■											
SSIK 6	8.1	■	■	■	■	■										

■ **Phoenix Contact pitch marking material, identical to that from CONTA-CLIP**

■ **Phoenix Contact pitch marking material, smaller than that from CONTA-CLIP**

Terminal marking for CONTA-CLIP



		UC1-TMF ...					UC1-TM...see from page 164									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...					UCT1-TM... see from page 170									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ...					UM1-TM...see from page 176									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
SSL ... 2,5 ...	5															
SSL ... 4 ...	6															
SSL 6	8															
SSL ... 10 ...	10															
SSL 16	12.1															
SSL 35	16.1															
SSL 50	18.5															
SSL 70	20.5															
STA 5/1	5															
STK ... 1	8															
STK 2	8															
TK 2	8															
TK ... 4	7.5															
TKS 10	11.25															
TRK 1,5	6															
TSK 2,5	10															
VMAK 2,5	6															

Phoenix Contact pitch marking material, identical to that from CONTA-CLIP

Phoenix Contact pitch marking material, smaller than that from CONTA-CLIP

Terminal marking for CONTA-CLIP



		UC1-TMF ...					UC1-TM...see from page 164									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...					UCT1-TM... see from page 170									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ...					UM1-TM...see from page 176									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Push-in connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
FDLI ... 2,5	5.1															
FDLIS B 2,5	15.3															
FNT 2,5	5.1															
FNT 6	8.1															
FRK 1,5	4.1															
FRK ... 2,5	5.1															
FRK 4	6.1															
FRKI 6	8.1															
FSIK 4	6.1															
FSL 1,5	4.1															
FSL ... 2,5	5.1															
FSL 4	6.1															
FSLI 6	8.1															
FTRK 2,5	5.1															

Phoenix Contact pitch marking material, identical to that from CONTA-CLIP

Phoenix Contact pitch marking material, smaller than that from CONTA-CLIP

Terminal marking for CONTA-CLIP



		UC1-TMF ...					UC1-TM...see from page 164									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...					UCT1-TM... see from page 170									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ...					UM1-TM...see from page 176									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Spring-cage connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
FIK 2,5 ...	5.1															
SL 4	6.1															
ZIKD 2,5	5.1															
ZIZA 1,5	5.1															
ZMP 1,5	5.1															
ZRK ... 2,5	5.1															
ZRK 4	6.1															
ZRK 6	8.1															
ZRK 10	10.1															
ZRK 16	12.1															
ZSL 2,5	5.1															
ZSL 4	6.1															
ZSL 6	8.1															
ZSL 10	10.1															
ZSL 16	12.1															
ZSLD 2,5	5.1															
ZSL ... 2,5	5.1															
ZSRK 2,5	5.1															
ZST 2,5	5.1															
ZSTK 2,5	5.1															
ZSTK 2,5 ...	5.1															
ZTRK 2,5	5.1															
ZVMAK 2,5	5.1															

Phoenix Contact pitch marking material, identical to that from CONTA-CLIP

Phoenix Contact pitch marking material, smaller than that from CONTA-CLIP

Terminal marking for CONTA-CLIP



		UC1-TMF ...					UC1-TM...see from page 164									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...					UCT1-TM... see from page 170									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ...					UM1-TM...see from page 176									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Bolt connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
HSK 16	13															
HSK 35	16															
HSK 50	21															
HSK 70	40															
HSK 95	40															
HSK 120	32															
HSK 150	50															
HSK 240	50															
HSKG 35 ...	27															
HSKG 70 ...	32															
HSKG 120 ...	42															
HSKG 185 ...	55															
HSKG 300 ...	55															

Phoenix Contact pitch marking material, identical to that from CONTA-CLIP

Phoenix Contact pitch marking material, smaller than that from CONTA-CLIP

Terminal marking for Entrelec



		UC1-TMF…see from page 165			UC2F-TM … see from page 167		
		0821425	0821483	0821548	0822178	0822181	0822194
		UCT1-TMF …see from page 170			UCT6R-TM … see from page 174		
		0829237	0829243		0830753	0830754	0830755
		UM1-TMF …see from page 179			UM6R-TM … see from page 182		
		(5x5)	(6x5)	(8x5)	(5x10)	(6x10)	(8x10)
		0830902	0830904	0830924	0830923	0830921	0830932
	Pitch	5	6	8	5	6	8
Screw connection terminal blocks		**Flat marker groove**			**Tall marker groove**		
D1/5 … ADO …	5						
D1,5/6 … ADO …	6						
D1,5/8 … ADO …	8						
D2,5/5 …ADO …	5						
D2,5/6 …	6						
D2,5/8 … ADO …	8						
D4/6 …	6						
D4/6 … ADO …	6						
D4/6 … LNTP …	17.8						
D4/8 … ADO …	8						
D6/8 …	8						
D6/8 … ADO …	8						
D6/10 …	10						
DB1,5/8 … ADO …	6						
DB2,5/5 … ADO …	5						
DB2,5/8 … ADO …	8						
DB4/6 … ADO …	6						
DB4/8 … ADO …	8						
DH1,5/6 … ADO …	6						
DH4/6 … ADO …	6						
DR1,5/5 …	5						
DR1,5/6 … ADO …	6						
DR2,5/5 …	5.08						
DR2,5/8 … ADO …	8						
DR2,5/10 …	10						
DR4/6 …	6						
DR4/8 …	8						
DRE1,5/5 … ADO …	5						
DRE1,5/6 … ADO …	6						
DRE2,5/5 … ADO …	5						
DRE2,5/8 … ADO …	8						
DRE4/6 … ADO …	6						
DRE4/8 … ADO …	8						

Phoenix Contact pitch marking material, identical to that from Entrelec

Phoenix Contact pitch marking material, smaller than that from Entrelec

Terminal marking for Entrelec



		UC1-TMF…see from page 165			UC2F-TM ... see from page 167		
		0821425	0821483	0821548	0822178	0822181	0822194
		UCT1-TMF ...see from page 170			UCT6R-TM ... see from page 174		
		0829237	0829243		0830753	0830754	0830755
		UM1-TMF ...see from page 179			UM6R-TM ... see from page 182		
		(5x5)	(6x5)	(8x5)	(5x10)	(6x10)	(8x10)
		0830902	0830904	0830924	0830923	0830921	0830932
	Pitch	5	6	8	5	6	8
Screw connection terminal blocks		**Flat marker groove**			**Tall marker groove**		
DS1,5/6 ... ADO ...	6						
DS2,5/5 ... ADO ...	5						
DS2,5/8 ... ADO ...	8						
DS4/6 ... ADO ...	6						
DS4/8 ... ADO ...	8						
DSE1,5/6 ... ADO ...	6						
DSE2,5/5 ... ADO ...	5						
DSE2,5/8 ... ADO ...	8						
DSE4/6 ... ADO ...	6						
DSE4/8 ... ADO ...	8						
M4/6 ...	6						
M6/8 ...	8						
M10/10 ...	10						
M16/12 ...	12						
M35/16 ...	17						
M35/26 ...	26						
M70/31 ...	31						
M120/35 ...	35						
M300/42 ...	42						
MA2,5/5 ...	5.08						
MS4/6 ...	6						
MS6/8 ...	8						
MTC6 ...	6						

Phoenix Contact pitch marking material, identical to that from Entrelec

Phoenix Contact pitch marking material, smaller than that from Entrelec

Terminal marking for Entrelec



		UC1-TMF… see from page 165			UC2F-TM ... see from page 167		
		0821425	0821483	0821548	0822178	0822181	0822194
		UCT1-TMF ... see from page 170			UCT6R-TM ... see from page 174		
		0829237	0829243		0830753	0830754	0830755
		UM1-TMF ... see from page 179			UM6R-TM ... see from page 182		
		(5x5)	(6x5)	(8x5)	(5x10)	(6x10)	(8x10)
		0830902	0830904	0830924	0830923	0830921	0830932
	Pitch	5	6	8	5	6	8
Spring-cage connection terminal blocks		**Flat marker groove**			**Tall marker groove**		
D2,5/5 ... L ...	5	■					
D2,5/5 ... D ...	5	■			■		
D4/6 ... L ...	6	■	■		■	■	
D6/8 ... L ...	8	■	■	■	■	■	■
D10/10 ... L ...	10	■	■	■	■	■	■
DB2,5/5 ... L ...	5	■					
DH2,5/5 ... L ...	5	■					
DR2,5/5 ... L ...	5	■					
DR2,5/10 ... L ...	10	■	■	■			
DS2,5/5 ... L ...	5	■					
DS2,5/10 ... L ...	10	■	■	■			
M4/6 ... D2 ...	6				■	■	

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

■ Phoenix Contact pitch marking material, identical to that from Entrelec

■ Phoenix Contact pitch marking material, smaller than that from Entrelec

Terminal marking for Klemsan



		UC1-TMF ... 165					UC1-TM ... see from page 164									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 170					UCT1-TM ... see from page 170									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ... 179					UM1-TM ... see from page 176									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830903	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
ASK 2…	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
ASK 3…	6.2	■	■	■	■		■	■	■	■	■	■	■			
ASK 4 LD…	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
ASK 4 S…	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
ASK 5…	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
AVK 2,5…	5	■	■	■			■	■	■	■						
AVK 2,5 CCA...	6	■	■	■	■		■	■	■	■	■	■	■			
AVK 2,5 EA...	6	■	■	■	■		■	■	■	■	■	■	■			
AVK 2,5 F...	6	■	■	■	■		■	■	■	■	■	■	■			
AVK 2,5 T RD	5.75	■	■	■			■	■	■	■						
AVK 2,5/4...	6	■	■	■	■		■	■	■	■	■	■	■			
AVK 4...	6	■	■	■	■		■	■	■	■	■	■	■			
AVK 4 B...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
AVK 4 FS...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
AVK 4 T RD	6.2	■	■	■	■		■	■	■	■	■	■	■			
AVK 6...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
AVK 10...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
AVK 12 ...	12	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
AVK 16...	12	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
AVK 25...	12	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
AVK 35...	16	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
AVK 50 ...	20	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
AVK 70 ...	22	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
AVK 95 ...	25	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
AVK 150 ...	31	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
AVK 240 ...	36	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
AVK AS ...	5.8	■	■	■			■	■	■	■						
AVK SKT ...	5.8	■	■	■			■	■	■	■						
AVK Y 4...	6	■	■	■	■		■	■	■	■	■	■	■			
AVK Y 6...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
AVK Y 10...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
MVK 2,5...	5	■	■	■												
MVK 4...	6	■	■	■	■											
PB 2,5 ...	9	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

■ Phoenix Contact pitch marking material, identical to that from Klemsan

■ Phoenix Contact pitch marking material, smaller than that from Klemsan

Terminal marking for Klemsan



		UC1-TMF ... 165					UC1-TM ... see from page 164									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 170					UCT1-TM ... see from page 170									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ... 179					UM1-TM ... see from page 176									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830903	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
PB 2,5T ...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
PB 6 ...	11	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
PB 6T ...	12	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
PB 25 ...	18	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
PIK 2,5 N...	8	■	■	■			■	■	■	■						
PIK 10 N...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
PIK 4 ...	6	■	■	■	■		■	■	■	■	■	■	■			
PUK ...	6	■	■	■	■		■	■	■	■	■	■	■			
WG-EKI	7	■	■	■	■		■	■	■	■	■	■	■			
WGL 1...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO 1...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO 2...	10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO 3...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO 4...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO 5 ...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO PB...6...	11	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WGO Y...6...	8	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

Bolt connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
AVK 95 B...	40						■	■	■	■	■	■	■	■	■	■
AVK 150 B...	48						■	■	■	■	■	■	■	■	■	■
AVK 240 B...	53						■	■	■	■	■	■	■	■	■	■
AVK PB 50...	20						■	■	■	■	■	■	■	■	■	■
AVK PB 70...	22						■	■	■	■	■	■	■	■	■	■
AVK PB 95...	25						■	■	■	■	■	■	■	■	■	■
AVK PB 150...	31						■	■	■	■	■	■	■	■	■	■
AVK PB 240...	36						■	■	■	■	■	■	■	■	■	■
CPB 6...	9.5	■	■	■	■	■										
CPB 6B...	13	■	■	■	■	■										
PB 6...	11						■	■	■	■	■	■	■	■	■	

■ Phoenix Contact pitch marking material, identical to that from Klemsan

■ Phoenix Contact pitch marking material, smaller than that from Klemsan

Terminal marking for Klemsan



		UC1-TMF ... 165					UC1-TM ... see from page 164									
			0821360	0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 170					UCT1-TM ... see from page 170									
				0829237	0829243			0829482	0803204		0829483					
		UM1-TMF ... 179					UM1-TM ... see from page 176									
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935		0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830903	0830906	0830920	0830916
	Pitch	3.5	4	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Spring-cage connection terminal blocks		**Flat marker groove**					**Tall marker groove**									
MY ... K 2,5...	5															
MYVR 2,5	5															
MYVR 2,5 C	10															
PCY 2,5...	5.05															
PYK 1,5...	4.2															
PYK 2,5...	5															
PYK 3 S...	5															
PYK 4...	6															
PYK 4 I...	8															
PYK 4 S...	8															
PYK 6...	8															
PYK 10...	10															
PYK 16 ...	12															
PYK TEST	5															
PYKM 2,5...	5															
PYKMR 2,5...	5															
TRV 4 ...	7.5															
TRV 4 M ...	15															
TRV 4 S ...	12.5															
TRV 4 T ...	12															
TRV 10 ...	22															
YBK 2,5...	5															
YBK 3 S...	5															
YBK 4...	6															
YBK 6...	8															
YBK 10...	10															
YBK I...	8															
YBK S...	8															

Phoenix Contact pitch marking material, identical to that from Klemsan

Phoenix Contact pitch marking material, smaller than that from Klemsan

Terminal marking for Legrand



		UM7-TM...see from page 183		
		(5x10)	(6x10)	(8x10)
		0830933	0830931	0830945
	Pitch	5	6	8
Screw connection terminal blocks			**Tall marker groove**	
0371 ...	5			
0371 ...	6			
0371 ...	8			
0371 ...	10			
0371 ...	12			
0371 ...	15			
0371 ...	22			

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

Phoenix Contact pitch marking material, identical to that from Legrand

Phoenix Contact pitch marking material, smaller than that from Legrand

Terminal marking for Wago



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

■ **Phoenix Contact pitch marking material, identical to that from Wago**

■ **Phoenix Contact pitch marking material, smaller than that from Wago**

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

Terminal marking for Wago



		UC1-TMF ...see from page 165					UC2-TM ...see from page 166					US2-TM ...
			0821360	0821425	0821483	0821548		0821713	0821690	0821674	0821755	0829268
		UCT1-TMF ...see from page 170					UCT2-TM ... see from page 171					
				0829237	0829243				0829249	0829249		
		UM1-TMF ...see from page 179					UM2-TM ... see from page 180					TMT2 ...
		(3,5x5)		(5x5)	(6x5)	(8x5)	(3,5x10)	(4x10)	(5/6x10)	(5/6x10)		(Ex11)R
		0830935		0830902	0830904	0830924	0830936	0830934	0830911	0830911		0802683
	Pitch	3.5	4	5	6	8	3.5	4	5	6	8	Continuous
Spring-cage connection terminal blocks		**Flat marker groove**					**Tall marker groove**					
279-1 ... - 279-9 ...	4											
280-1 ...	5											
280-5 ...	5											
280-5 ...	6											
280-6 ... - 280-9 ...	5											
281-1 ... - 281-6 ...	6											
281-6 ...	8											
281-6 ...	10											
281-9 ...	6											
282-1 ...	8											
282-1 ...	13											
282-6 ... - 282-9 ...	8											
283-1 ..., 283-6 ..., 283-9 ...	12											
284-1 ..., 284-6 ..., 284-9 ...	10											
285-1 ...	16											
285-1 ...	20											
285-1 ...	25											
285-1 ...	32											
285-4 ...	15											
285-4 ...	20											
285-6 ..., 285-9 ...	16											
709-3 ...	8											
769-1 ...	5											
769-1 ...	5											
769-2 ...	5											
769-5 ..., 769-6 ...	5											
780-6 ...	5											
781-6 ..., 781-6 ...	6											
782-6 ..., 782-9 ...	8											
783-6 ..., 783-9 ...	12											
785-6 ...	16											
811-3 ...	17.5											
869-1 ..., 869-3 ..., 870-1 ..., 870-4 ..., 870-5 ...	5											
870-6 ... - 870.9 ...	5											
880-6 ... - 880-9 ...	5											

Phoenix Contact pitch marking material, identical to that from Wago

Phoenix Contact pitch marking material, smaller than that from Wago

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

Terminal marking for Weidmüller



		UC1-TMF ...				UC1-TM ... see from page 164									
			0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ...				UCT1-TM ... see from page 170									
			0829237	0829243			0829482	0803204		0829483					
		UM1-TMF				UM1…-TM… see from page 176									
		(3,5x5)	(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
AKE 2,5	5.1														
AKE 4	7														
AKZ 1,5, AKZ 2,5	5.1														
AKZ 4, DL ... 2,5	6.1														
KDKS 1	8														
MAK 2,5	6.2														
SAKS 2	27.6														
SAKS 4	24														
SAKS 5	28														
VLI 1,5	6.15														
WDK 1,5/R	3.5														
WDK 2,5	5.1														
WDK 4	6.1														
WDK 10	9.9														
WDKL 4	6.5														
WDL 2,5	6.1														
WDT 1,5	6.4														
WDTR 2,5	6.2														
WDU 1,5	5.1														
WDU 1,5/R	3.5														
WDU 2,5	5.1														
WDU 2,5/TC	10.2														
WDU 4	6.1														
WDU 6	7.9														
WDU 10	9.9														
WDU 16	11.9														
WDU 35	16														
WDU 50	18.5														
WDU 70	20.5														

Phoenix Contact pitch marking material, identical to that from Weidmüller

Phoenix Contact pitch marking material, smaller than that from Weidmüller

Terminal marking for Weidmüller



		UC1-TMF ... 165				UC1-TM ... see from page 164									
			0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 170				UCT1-TM ... see from page 170									
			0829237	0829243			0829482	0803204		0829483					
		UM1-TMF... 179				UM1...-TM... see from page 176									
		(3,5x5)	(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
WDU 95	27														
WDU 120	32														
WDU 240	36														
WMF 2,5	5.08														
WNT 2,5	5.1														
WNT 4	6.1														
WNT 6	7.9														
WNT 10	9.9														
WNT 16	12														
WNT 35	16														
WNT 70	20.5														
WPE 1,5	5.1														
WPE 1,5/R	3.5														
WPE 2,5	5.1														
WPE 4	6.1														
WPE 6	7.9														
WPE 10	9.9														
WPE 16	11.9														
WPE 35	16														
WPE 50	18.5														
WPE 70	20.5														
WPE 95	27														
WPE 120	32														
WPO 4	6														
WSI 4	9.1														
WSI 6	7.9														
WT 4	6.1														
WTD 6	7.9														
WTD 6/4 FF	11														

Phoenix Contact pitch marking material, identical to that from Weidmüller

Phoenix Contact pitch marking material, smaller than that from Weidmüller

Terminal marking for Weidmüller



		UC1-TMF ... 165				UC1-TM ... see from page 164									
			0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 170				UCT1-TM ... see from page 170									
			0829237	0829243			0829482	0803204		0829483					
		UM1-TMF... 179				UM1…-TM… see from page 176									
		(3,5x5)	(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Screw connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
WTL 4	6.1														
WTL 4/2	6														
WTL 6	7.9														
WTL 6 SL	7.9														
WTL 6/4 FF	11														
WTQ 6	7.9														
WTR 2,5	5.1														
WTR 4	6.1														
WTR 4 ...	6.1														
WTR 35	32														
Push-in connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
PDK 2,5, PDL 4, PDU 2,5	5.1														
PDU 6/10	8.1														
PDU 16	12.1														
PEI 16	15														
PMAK 4	5.1														
PNT 2,5	5.1														
PNT 6/10	8.1														
PNT 16	12.1														
PPE 2,5	5.1														
PPE 6	8.1														
PPE 16	12.1														
PSI 6/10	12.2														
PTD 6/10, PTL 6/10	8.1														
PTR 2,5	5.1														

Phoenix Contact pitch marking material, identical to that from Weidmüller

Phoenix Contact pitch marking material, smaller than that from Weidmüller

Terminal marking for Weidmüller



		UC1-TMF ... 165				UC1-TM...see from page 164									
			0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 170				UCT1-TM... see from page 170									
			0829237	0829243			0829482	0803204		0829483					
		UM1-TMF... 179				UM1...-TM... see from page 176									
		(3,5x5)	(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Spring-cage connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
ZDK 1,5	3.5														
ZDK 2,5	5.1														
ZDK 4	6.1														
ZDKPE 2,5	5.1														
ZDLD 2,5	5.1														
ZDT ... 2,5	5.1														
ZDU 1,5	3.5														
ZDU 2,5	5.1														
ZDU 4	6.1														
ZDU 6	8.1														
ZDU 10	10.1														
ZDU 16	12.1														
ZDU 35	16														
ZDUA 2,5, ZDUB 2,5	5.1														
ZEI 16	10														
ZEI 16-2	14														
ZIA 1,5	5.08														
ZMAK 2,5	5.1														
ZNT 4	6.1														
ZNT 6	8.1														
ZNT 16	10														
ZNT 35	16														
ZP 2,5	5.1														
ZP 4	6.1														
ZPE 1,5	3.5														
ZPE ... 2,5	5.1														
ZPE 4	6.1														
ZPE 6	8.1														
ZPE 10	10.1														
ZPE 16	12.1														
ZPE 35	16														
ZPV 1,5	5.1														

Phoenix Contact pitch marking material, identical to that from Weidmüller

Phoenix Contact pitch marking material, smaller than that from Weidmüller

Terminal marking for Weidmüller



		UC1-TMF ... 165				UC1-TM...see from page 164									
			0821425	0821483	0821548		0821784			0821247			0821739		
		UCT1-TMF ... 170				UCT1-TM... see from page 170									
			0829237	0829243			0829482	0803204		0829483					
		UM1-TMF… 179				UM1…-TM… see from page 176									
		(3,5x5)	(5x5)	(6x5)	(8x5)	(3,5x12)	(5x10)	(5x10)	(5x12)	(6x10)	(6x10)	(6x12)	(8x10)	(8x12)	(12x10)
		0830935	0830902	0830904	0830924	0830925	0830905	0830910	0830912	0830903	0830907	0830909	0830906	0830920	0830916
	Pitch	3.5	5	6	8	3.5	5	U 5	5	6	U 6	6	8	8	12
Spring-cage connection terminal blocks		**Flat marker groove**				**Tall marker groove**									
ZRV 1,5	5.1														
ZRV 2,5	5.2														
ZSI 2,5	7.9														
ZSI 2x6	16														
ZSI 6	12.2														
ZT 2,5	5.1														
ZT 4	6.5														
ZTC 2,5, ZTCPE 2,5	5.1														
ZTD 6, ZTL 6	8														
ZTPE 2,5	5.1														
ZTPE 4	6.5														
ZTR 2,5	5.1														
ZTR 6	8.1														
ZTTR 2,5	5.1														
ZVL 1,5	5.08														
ZVLD 2,5	5.1														

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

Phoenix Contact pitch marking material, identical to that from Weidmüller

Phoenix Contact pitch marking material, smaller than that from Weidmüller

Terminal marking for Wieland



		UC3-TM… see from page 168		
		0822369	0822385	0822408
		UCT3-TM… see from page 171		
		0829251	0829252	
		UM3-TM...see from page 181		
		(5x8)	(6x8)	(8x8)
		0830917	0830915	0830929
	Pitch	5	6	8
Screw connection terminal blocks		**Tall marker groove**		
9700-A/10 ...	10			
9700-A/12 ...	12			
9700-A/16 ...	16			
9700-A/5 ...	5			
9700-A/6 ...	6			
9700-A/8 ...	8			
9785 ..., 9786 ...	12			
WK 2,5 ...	6			
WK 2,5 ... KOI ...	5			
WK 4 ...	6			
WK 4 ... THSI 5 ...	8			
WK 4 ... THSI 6,3 ...	10			
WK 6 ...	8			
WK 10 ...SI ...	12			
WK/3 ..., WK/4 ..., WK/5 ...	6			
WKM 2,5 ...	5			
WKM 4 ...	6			
WKN 6 ...	8			
WKN 10 ..., WKN 16	10			
WKN 35 ...	16			
WKN 70 ...	24			
WKN 150 ...	28			
WRT 6 ...	11			
WT 2,5 ...	5			
WT 4 ...	6			
WT 6 ...	8			
WT 10 ...	10			
WT 16 ...	12			

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

Phoenix Contact pitch marking material, identical to that from Wieland

Phoenix Contact pitch marking material, smaller than that from Wieland

Terminal marking for Wieland



		ZB...	UC3-TM… see from page 168		
		0805001	0822369	0822385	0822408
		UC-TM...	UCT3-TM… see from page 171		
		0818111	0829251	0829252	
		UCT-TM...	UM3-TM...see from page 181		
			(5x8)	(6x8)	(8x8)
		0828732	0830917	0830915	0830929
	Pitch	4	5	6	8
Spring-cage connection terminal blocks		**Tall marker groove**			
WKF 1,5 ...	4				
WKF 1,5 ... KO ..., WKF 2,5 ...	5				
WKF 16 ...	12				
KF 35 ...	16				
WKFN 2,5 ...	5				
WKFN 4 ...	6				
WKFN 6 ...	8				
WKFN 10 ...	10				
WKFN 16 ...	12				
WKMF 2,5 ...	5				

Phoenix Contact pitch marking material, identical to that from Wieland

Phoenix Contact pitch marking material, smaller than that from Wieland

Terminal marking for Woertz



		UM8-TM ... ... see from page 183	
		(5x9)	(6x9)
		0830933	830931
	Pitch	5	6
Screw connection terminal blocks		**Tall marker groove**	
30150 ..., 30860 ..., 30870 ..., 30903..., 30973 ...	5		
30103 ..., 30108 ..., 30111 ..., 3012 ..., 30130 ..., 3043 ..., 30544/4 ..., 30800..., 3089 ..., 30902 ..., 30904..., 3301 ..., 3424 ..., 3430 ..., 3450 ..., 3880 ...	6		
3440 ...	6.5		
30544/6 ..., 3410 ..., 3452/6 ...	7		
30197 ..., 30290 ..., 3472 ..., 3852 ...	7.5		
30200 ..., 30291 ..., 30544/10 ..., 30930 ..., 3302 ..., 3425 ..., 3452/10 ..., 3477 ..., 3726 ..., 3857 ...	8		
30168 ..., 3017 ..., 30191 ..., 30228 ..., 30935 ..., 3303 ..., 3426 ..., 3436 ...	9		
30880 ...	10		
30146 ..., 30840 ..., 3304 ..., 3427 ..., 3452/16 ..., 3473 ..., 3780 ..., 3852 ...	11		
30841 ...	12		
30831 ...	12.5		
300 ..., 3727 ..., 30544/16 ..., 3437 ...	13		
3305 ..., 3428 ..., 3452/35 ...	14		
30832 ..., 30842 ...	14.5		
30544/35 ...	16		
30833 ..., 30834 ..., 30843 ...	16.5		
3438 ..., 3728 ...	18		
30844 ..., 3715 ...	21		
30550 ..., 3306 ..., 3429 ...	23		
3716 ...	34		

Phoenix Contact pitch marking material, identical to that from Woertz

Phoenix Contact pitch marking material, smaller than that from Woertz

Terminal marking for Woertz

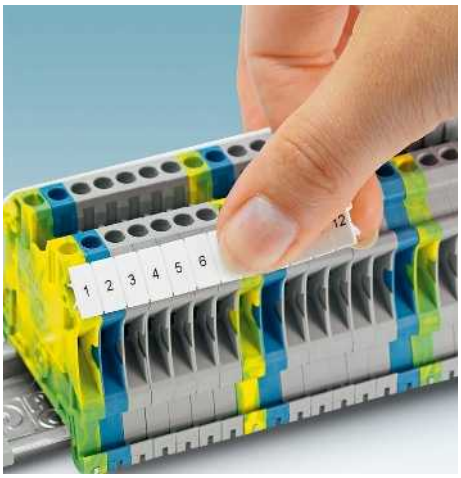


		UM8-TM ... ... see from page 183	
		(5x9)	(6x9)
		0830933	830931
	Pitch	5	6
Spring-cage connection terminal blocks		**Tall marker groove**	
35310/3 ..., 35320/3 ..., 35330 ..., 35340/3 ..., 35350 ..., 35370 ..., 35400 ...	5		
33200 ..., 33300..., 353 .../4 ..., 35390 ..., 35410 ..., 383 ...	6		
35310/6 ..., 35330/6 ..., 35490 ...	8		
35310/10 ...	10		
35310/16 ...	12		

Phoenix Contact pitch marking material, identical to that from Woertz

Phoenix Contact pitch marking material, smaller than that from Woertz

UniCard terminal marking for tall marker groove



- The UC-TM ... UniCard marking range includes markers for all products with tall and flat marker grooves
- The BLUEMARK marks the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The multi-section marking strips can be easily separated and are easy to fit
- The markers support multiline labeling
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark 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 68.



Can be marked using:

UV

UV LED technology

y 1 2 3 x

Plotter



Markers for terminal block widths up to 8.2 mm

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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

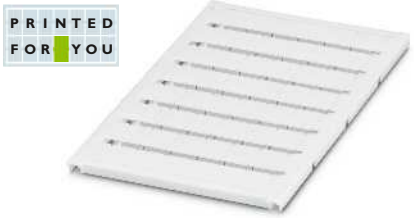
Ordering data

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

Accessories

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

UniCard terminal marking for tall marker groove



Markers for terminal block widths up to 16 mm

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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

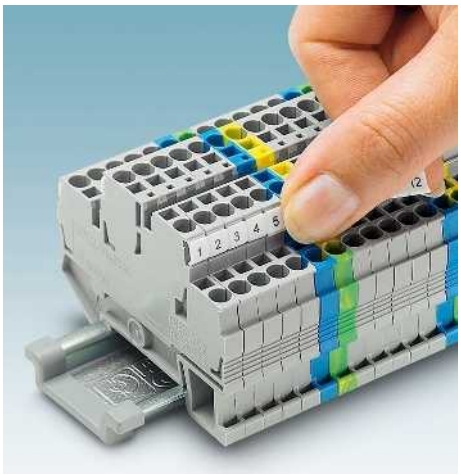
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for terminal blocks with a tall marker groove, 48-section, 6 individual labels per strip, for a terminal block width of 10.2 mm				
	white	**UC-TM 10**	0818069	10
	red	**UC-TM 10 RD**	0818454	10
	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 terminal blocks with a tall marker groove, 40-section, 5 individual labels per strip, for a terminal block width of 12 mm				
	white	**UC-TM 12**	0819194	10
	red	**UC-TM 12 RD**	0817701	10
	orange	**UC-TM 12 OG**	0817691	10
	yellow	**UC-TM 12 YE**	0819204	10
	violet	**UC-TM 12 VT**	0822660	10
	blue	**UC-TM 12 BU**	0817785	10
	green	**UC-TM 12 GN**	0817808	10
UniCard, for terminal blocks with a tall marker groove, 32-section, 4 individual labels per strip, for a terminal block width of 16 mm				
	white	**UC-TM 16**	0819217	10
	red	**UC-TM 16 RD**	0817798	10
	orange	**UC-TM 16 OG**	0817772	10
	yellow	**UC-TM 16 YE**	0819220	10
	violet	**UC-TM 16 VT**	0822673	10
	blue	**UC-TM 16 BU**	0817769	10
	green	**UC-TM 16 GN**	0817756	10

Accessories

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

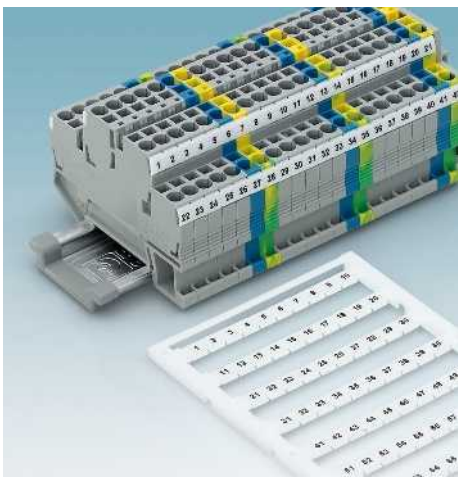
UniCard terminal marking for flat marker groove



– The UC-TMF... UniCard marking range includes markers for all products with tall and flat marker grooves
– Marking service: Phoenix Contact can custom-mark 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 68.



Can be marked using:

UV LED technology

Plotter



Markers for terminal block widths up to 8.2 mm

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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 terminal blocks with a flat marker groove, 120-section, 15 individual labels per strip, for a terminal block width of 4.2 mm				
	white	**UC-TMF 4**	0818166	10
	red	**UC-TMF 4 RD**	0818506	10
	orange	**UC-TMF 4 OG**	0818470	10
	yellow	**UC-TMF 4 YE**	0818483	10
	violet	**UC-TMF 4 VT**	0815897	10
	blue	**UC-TMF 4 BU**	0818496	10
	green	**UC-TMF 4 GN**	0818519	10
UniCard, for terminal blocks with a flat marker groove, 96-section, 12 individual labels per strip, for a terminal block width of 5.2 mm				
	white	**UC-TMF 5**	0818153	10
	red	**UC-TMF 5 RD**	0818551	10
	orange	**UC-TMF 5 OG**	0818522	10
	yellow	**UC-TMF 5 YE**	0818535	10
	violet	**UC-TMF 5 VT**	0815907	10
	blue	**UC-TMF 5 BU**	0818548	10
	green	**UC-TMF 5 GN**	0818564	10
UniCard, for terminal blocks with a flat marker groove, 80-section, 10 individual labels per strip, for a terminal block width of 5.2 mm, lettering field size: 5 x 7 mm				
	white	**UC-TMF 5 (5X7)**	0820044	10
UniCard, for terminal blocks with a flat marker groove, 80-section, 10 individual labels per strip, for a terminal block width of 6.2 mm				
	white	**UC-TMF 6**	0818140	10
	red	**UC-TMF 6 RD**	0818603	10
	orange	**UC-TMF 6 OG**	0818577	10
	yellow	**UC-TMF 6 YE**	0818580	10
	violet	**UC-TMF 6 VT**	0815910	10
	blue	**UC-TMF 6 BU**	0818593	10
	green	**UC-TMF 6 GN**	0818616	10
UniCard, for terminal blocks with a flat marker groove, 64-section, 7 individual labels per strip, for a terminal block width of 8.2 mm				
	white	**UC-TMF 8**	0818137	10
	red	**UC-TMF 8 RD**	0818658	10
	orange	**UC-TMF 8 OG**	0818629	10
	yellow	**UC-TMF 8 YE**	0818632	10
	violet	**UC-TMF 8 VT**	0815923	10
	blue	**UC-TMF 8 BU**	0818645	10
	green	**UC-TMF 8 GN**	0818661	10

Accessories

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

UniCard terminal marking for flat marker groove



Markers for terminal block widths up to 16 mm

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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

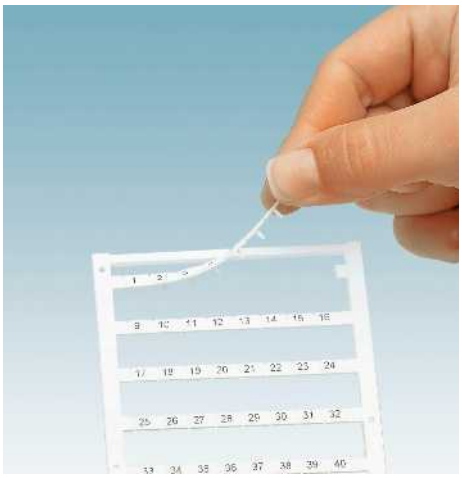
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for terminal blocks with a flat marker groove, 48-section, 6 individual labels per strip, for a terminal block width of 10.2 mm				
	white	**UC-TMF 10**	0818124	10
	red	**UC-TMF 10 RD**	0818700	10
	orange	**UC-TMF 10 OG**	0818674	10
	yellow	**UC-TMF 10 YE**	0818687	10
	violet	**UC-TMF 10 VT**	0815981	10
	blue	**UC-TMF 10 BU**	0818690	10
	green	**UC-TMF 10 GN**	0818713	10
UniCard, for terminal blocks with a flat marker groove, 40-section, 5 individual labels per strip, for a terminal block width of 12 mm				
	white	**UC-TMF 12**	0819233	10
	red	**UC-TMF 12 RD**	0817840	10
	orange	**UC-TMF 12 OG**	0817866	10
	yellow	**UC-TMF 12 YE**	0819246	10
	violet	**UC-TMF 12 VT**	0822686	10
	blue	**UC-TMF 12 BU**	0817853	10
	green	**UC-TMF 12 GN**	0817837	10
UniCard, for terminal blocks with a flat marker groove, 32-section, 4 individual labels per strip, for a terminal block width of 16 mm				
	white	**UC-TMF 16**	0819262	10
	red	**UC-TMF 16 RD**	0817824	10
	orange	**UC-TMF 16 OG**	0817811	10
	yellow	**UC-TMF 16 YE**	0819259	10
	violet	**UC-TMF 16 VT**	0822699	10
	blue	**UC-TMF 16 BU**	0817905	10
	green	**UC-TMF 16 GN**	0817921	10

Accessories

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

UniCard terminal marking for marking stud holder



- The UC-TMN ... UniCard marking range includes markers for products with a marking stud holder, such as mini terminal blocks, transformer terminal blocks or COMBICON PCB connection terminal blocks
- The BLUEMARK marks the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The multi-section marking strips can be easily separated and are easy to fit
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark 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 68.

Can be marked using:



UV LED technology



Plotter



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

Technical data

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

Ordering data

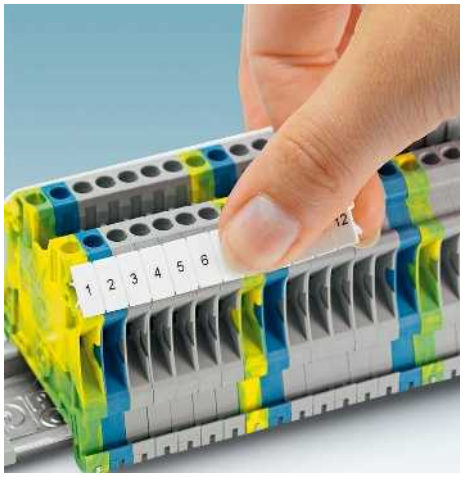
Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking transformer terminal blocks				
96-section, 12 individual labels per strip	white	**UC-TMN 5,2**	0822945	10
64-section, 8 individual labels per strip	white	**UC-TMN 7,5**	0821823	10
48-section, 6 individual labels per strip	white	**UC-TMN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

Accessories

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



Zack marker strip terminal marking for tall marker groove



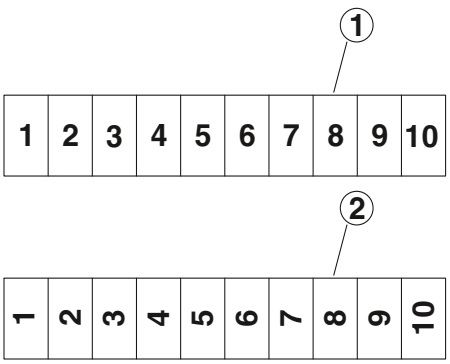
– The ZB zack marker strip system marks terminal blocks and electronics modules with a tall marker groove
– The multi-section marking strips can be easily separated and are easy to fit
– Different pitches are available on request
– Unprinted zack marker strips can be individually marked with the plotter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

Selection of marking direction

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

Notes:

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



Can be marked using:



Plotter



Markers for a terminal block width of 3.5 mm

Technical data

General data		
Can be marked using		CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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

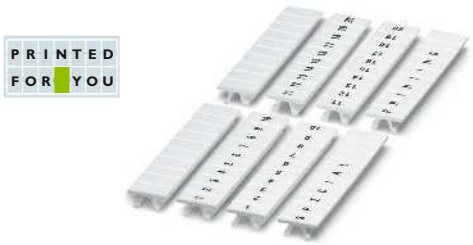
Description	Color	Type	Order No.	Pcs./Pkt.
Zack marker strip, unprinted, 10-section: each pack contains enough to mark 100 terminal blocks	white	ZB 3,5:UNBEDRUCKT	0829414	10
As above, however, large batch, sufficient for 1000 terminal blocks	white			
Zack marker strip, horizontally printed, ten sections 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, horizontally printed, 10-section, with same numbers, e.g., 1/1/1, 2/2/2, etc. up to 100/100/100[1]	white			
Zack marker strip, horizontally printed, 10-section: with L1, L2, L3, N, PE[1]	white			
horizontally printed, 10-section: with U, V, W, N,	white			
Zack marker strip, horizontally printed, 10-section, even numbers, e.g., 2-20, 22-40, and so on, up to 82-100	white			
Zack marker strip, horizontally printed, 10-section, odd numbers, e.g., 1-19, 21-39, and so on, up to 81-99	white			
Zack marker strip, horizontally printed, 10-section, upper case A-Z, e.g., A/A/A,B/B/B, and so on, to Z/Z/Z	white			
Zack marker strip, horizontally printed, 10-section, L1, L2, L3, PE, +, -, symbols	white			
Zack marker strip, vertically printed, 10-section, even numbers, e.g., 2-20, 22-40, and so on, up to 82-100	white			
Zack marker strip, vertically printed, 10-section, odd numbers, e.g., 1-19, 21-39, and so on, up to 81-99	white			
Zack marker strip, vertically printed, 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

Accessories

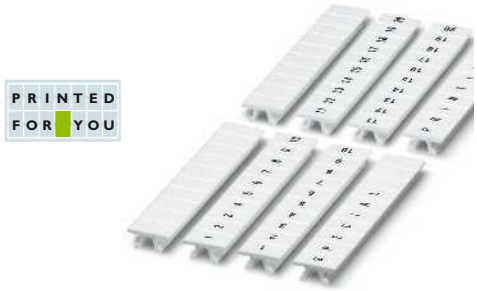
Magazine, for CMS-P1-PLOTTER and PLOTMARK	CMS-P1-M/ZB	5144699	1



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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

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

Ordering data

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

Accessories

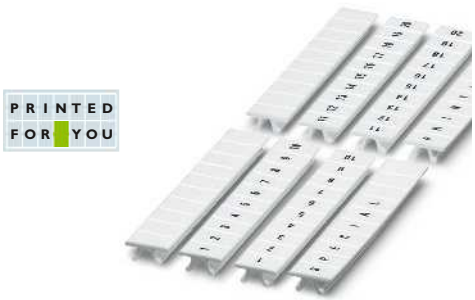
CMS-P1-M/ZB	5144699	1

Zack marker strip terminal marking for tall marker groove

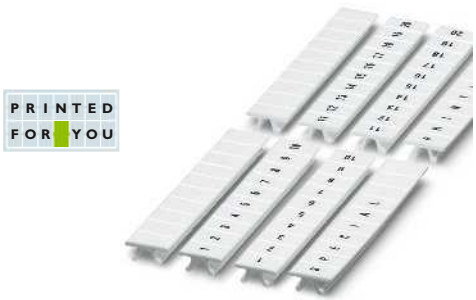
– The ZB zack marker strip system marks terminal blocks and electronics modules with a tall marker groove
– Marking service: Phoenix Contact can custom-mark all zack marker strip markers in accordance with your requirements

Notes:

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



Markers for a terminal block width of 5.8 mm



Markers for a terminal block width of 6.2 mm

Technical data

General data		
Can be marked using		CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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 • PLOTMARK
		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, unprinted, 10-section: each pack contains enough to mark 100 terminal blocks	white	**ZB 5,8:UNBEDRUCKT**	2715209	10
As above, however, large batch, sufficient for 1000 terminal blocks	white			
Zack marker strip, horizontally printed, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100	white			
Zack marker strip, horizontally printed, 10-section, with same numbers, e.g., 1/1/1, 2/2/2, etc. up to 100/100/100	white			
Zack marker strip, horizontally printed, 10-section: with L1, L2, L3, N, PE	white			
horizontally printed, 10-section: with U, V, W, N,	white			
Zack marker strip, horizontally printed, 10-section, even numbers, e.g., 2-20, 22-40, and so on, up to 82-100	white			
Zack marker strip, horizontally printed, 10-section, odd numbers, e.g., 1-19, 21-39, and so on, up to 81-99	white			
Zack marker strip, horizontally printed, 10-section, upper case A-Z, e.g., A/A/A,B/B/B, and so on, to Z/Z/Z	white			
Zack marker strip, horizontally printed, 10-section, L1, L2, L3, PE, +, -, symbols	white			
Zack marker strip, vertically printed, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100	white			
Zack marker strip, vertically printed, 10-section, even numbers, e.g., 2-20, 22-40, and so on, up to 82-100	white			
Zack marker strip, vertically printed, 10-section, odd numbers, e.g., 1-19, 21-39, and so on, up to 81-99	white			

Ordering data

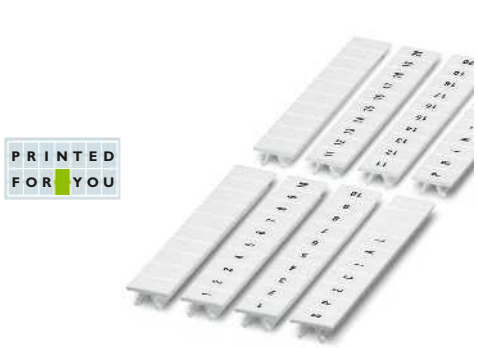
Type	Order No.	Pcs./Pkt.
ZB 6:UNBEDRUCKT	1051003	10
ZB 6/WH-100:UNBEDRUCKT	5060935	100
ZB 6,LGS:FORTL.ZAHLEN	1051016	10
ZB 6,LGS:GLEICHE ZAHLEN	1051032	10
ZB 6,LGS:L1-N,PE	1051414	10
ZB 6,LGS:U-N	1051430	10
ZB 6,LGS:GERADE ZAHLEN	1052808	10
ZB 6,LGS:UNGERADE ZAHLEN	1052798	10
ZB 6,LGS:GROSSBUCHSTABEN	1051058	10
ZB 6,LGS:SYMBOLE	1051090	10
ZB 6,QR:FORTL.ZAHLEN	1051029	10
ZB 6,QR:GERADE ZAHLEN	1052785	10
ZB 6,QR:UNGERADE ZAHLEN	1052772	10

Accessories

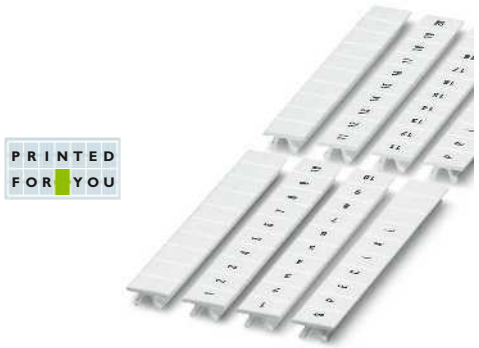
Magazine, for CMS-P1-PLOTTER and PLOTMARK	**CMS-P1-M/ZB**	5144699	1

Accessories

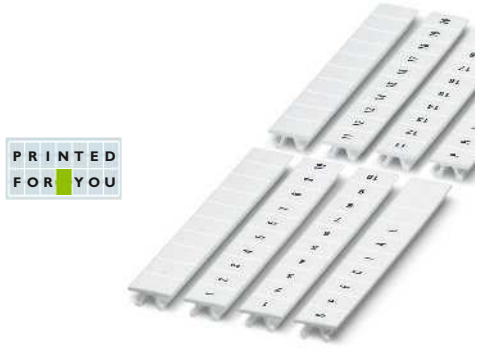
CMS-P1-M/ZB	5144699	1



Markers for a terminal block width of 6.6 mm



Markers for a terminal block width of 7.5 mm



Markers for a terminal block width of 7.62 mm

Technical data

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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1

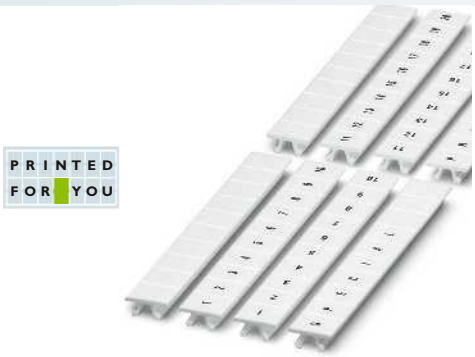
Terminal marking

Zack marker strip terminal marking for tall marker groove

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

Notes:

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



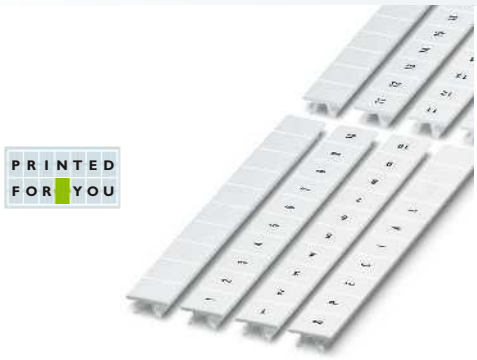
Markers for a terminal block width of 8.2 mm



Markers for a terminal block width of 9 mm

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

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Zack marker strip, unprinted, 10-section: each pack contains enough to mark 100 terminal blocks							
	white	**ZB 8:UNBEDRUCKT**	1052002	10	**ZB 9:UNBEDRUCKT**	0829127	10
As above, however, large batch, sufficient for 1000 terminal blocks	white	**ZB 8/WH-100:UNBEDRUCKT**	5060896	100			
5-section	white						
Zack marker strip, horizontally printed, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100[1)]							
	white	**ZB 8,LGS:FORTL.ZAHLEN**	1052015	10			
Zack marker strip, horizontally printed, 10-section, with same numbers, e.g., 1/1/1, 2/2/2, etc. up to 100/100/100[1)]							
	white						
Zack marker strip, horizontally printed, 10-section: with L1, L2, L3, N, PE[1)]							
	white	**ZB 8,LGS:L1-N,PE**	1052413	10			
horizontally printed, 10-section: with U, V, W, N,	white						
horizontally printed, 5-section, with L1, L2, L3, N, PE	white						
Zack marker strip, horizontally printed, 10-section, L1, L2, L3, PE, +, -, symbols							
	white	**ZB 8,LGS:SYMBOLE**	1052099	10			
Zack marker strip, vertically printed, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100[1)]							
	white	**ZB 8,QR:FORTL.ZAHLEN**	1052028	10			
		Accessories			**Accessories**		
Magazine, for CMS-P1-PLOTTER and PLOTMARK							
		CMS-P1-M/ZB	5144699	1	**CMS-P1-M/ZB**	5144699	1



Markers for a terminal block width of 10.2 mm



Markers for a terminal block width of 12 mm



Markers for a terminal block width of 13 mm

Technical data

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

Ordering data

Type	Order No.	Pcs./Pkt.
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,LGS:SYMBOLE	1053098	10
ZB10,QR:FORTL.ZAHLEN	1053027	10

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1

Zack marker strip terminal marking for tall marker groove

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

Notes:

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



Markers for a terminal block width of 14 mm



Markers for a terminal block width of 15 mm

Technical data

General data			
Can be marked using		CMS-P1-PLOTTER • PLOTMARK	CMS-P1-PLOTTER • PLOTMARK
Material		PA	PA
Flammability rating 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, unprinted, 5-section: each pack contains enough to label 50 terminal blocks	white	**ZB 14:UNPRINTED**	0820277	10	**ZB 15:UNBEDRUCKT**	0811972	10
Zack marker strip, horizontally printed, 5-section, with L1, L2, L3, N, PE[1])	white				**ZB 15,LGS:L1-N,PE**	0811998	10

Accessories

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



Markers for a terminal block width of 16 mm

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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1



Markers for a terminal block width of 16.3 mm

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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1



Markers for a terminal block width of 17 mm

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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1

Zack marker strip terminal marking for tall marker groove

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

Notes:

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



Markers for a terminal block width of 18 mm



Markers for a terminal block width of 20.3 mm

Technical data

General data		
Can be marked using		CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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

General data		
Can be marked using		CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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, unprinted, 5-section: each pack contains enough to mark 50 terminal blocks				
	white	**ZB 18:UNBEDRUCKT**	0811833	10
4-part, for 40 terminal blocks	white			
Zack marker strip, horizontally printed, 5-section, with L1, L2, L3, N, PE[1])				
	white	**ZB 18,LGS:L1-N,PE**	0811846	10
horizontally printed, 4-section, with L1, L2, L3, N, PE	white			

Ordering data

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

Accessories

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

Accessories

CMS-P1-M/ZB	5144699	1



Markers for a terminal block width of 21.1 mm



Markers for a terminal block width of 22 mm



Markers for a terminal block width of 25 mm

Technical data

CMS-P1-PLOTTER • PLOTMARK

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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

CMS-P1-PLOTTER • PLOTMARK

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

Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1

Technical data

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

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

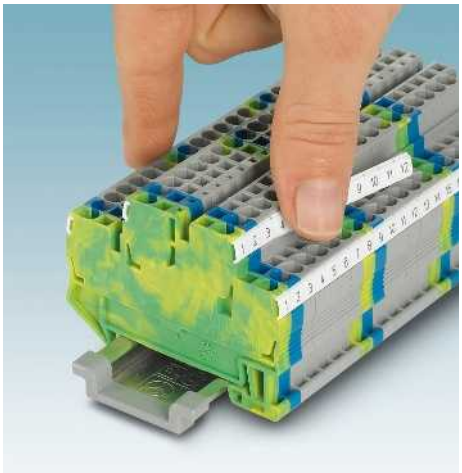
Ordering data

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

Accessories

CMS-P1-M/ZB	5144699	1

Zack marker strip terminal marking for flat marker groove



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

Selection of marking direction

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

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 68

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

Can be marked using:



Plotter



Markers for a terminal block width of 3.5 mm

Technical data

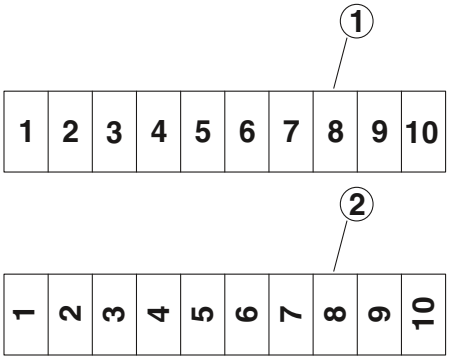
General data		
Can be marked using		CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

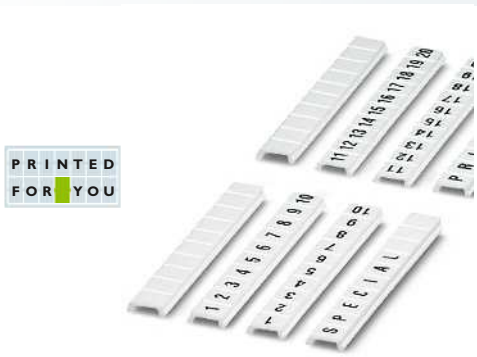
Ordering data

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

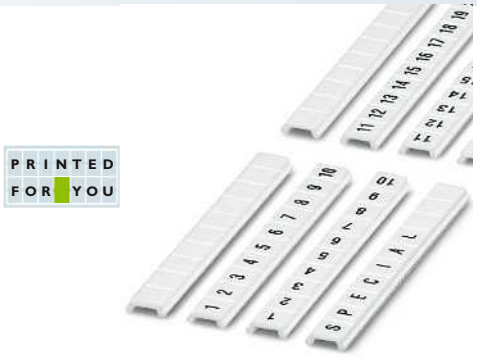
Accessories

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

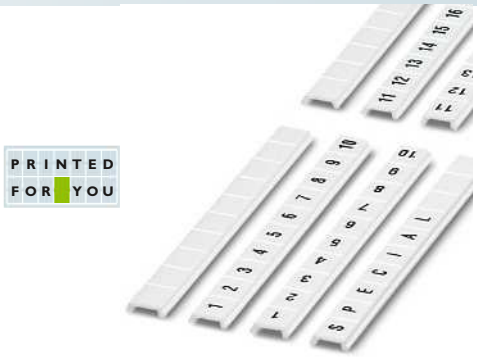




Markers for a terminal block width of 4.2 mm



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

Ordering data

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

Accessories

CMS-P1-M/ZBF	5144709	1

Technical data

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

Ordering data

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

Accessories

CMS-P1-M/ZBF	5144709	1

Technical data

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

Ordering data

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

Accessories

CMS-P1-M/ZBF	5144709	1

Zack marker strip terminal marking for flat marker groove

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

Notes:

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



Markers for a terminal block width of 7.5 mm



Markers for a terminal block width of 8.2 mm

Technical data

General data			
Can be marked using		CMS-P1-PLOTTER • PLOTMARK	CMS-P1-PLOTTER • PLOTMARK
Material		PA	PA
Flammability rating 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, unprinted, 10-section: pack contains enough to mark 100 terminal blocks	white	**ZBF 7,5:UNBEDRUCKT**	0809942	10	**ZBF 8:UNBEDRUCKT**	0808781	10
As before, but in large packaging, contains enough to mark 1000 terminal blocks	white				**ZBF 8/WH-100:UNBEDRUCKT**	0808794	100
5-section, for 50 terminal blocks	white						
As before, but in large packaging, contains enough to mark 500 terminal blocks	white						
Zack marker strip, flat, horizontally printed, 10-section, with consecutive numbers, e.g., 1-10, 11-20, etc. up to 91-100[1)]							
Markers for a terminal block width of 10.2 mm	white	**ZBF 7,5,LGS:FORTL.ZAHLEN**	0809955	10	**ZBF 8,LGS:FORTL.ZAHLEN**	0808804	10
Zack marker strip, flat, vertically printed, 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			

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK		**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 • PLOTMARK
PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

Ordering data

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

Accessories

CMS-P1-M/ZBF	5144709	1

Technical data

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

Ordering data

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

Accessories

CMS-P1-M/ZBF	5144709	1

Technical data

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

Ordering data

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

Accessories

CMS-P1-M/ZBF	5144709	1

Zack marker strip terminal marking for flat marker groove

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



Markers for a terminal block width of 13 mm



Markers for a terminal block width of 15 mm

Technical data

General data		
Can be marked using		CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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, unprinted, 5-section: pack contains enough to mark 50 terminal blocks	white	ZBF 13:UNBEDRUCKT	0829133	10

Accessories

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

Technical data

General data		
Can be marked using		CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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, unprinted, 5-section: pack contains enough to mark 50 terminal blocks	white	ZBF 15:UNBEDRUCKT	0811202	10

Accessories

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

Ordering data

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

Accessories

CMS-P1-M/ZBF	5144709	1

Technical data

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

Ordering data

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

Accessories

CMS-P1-M/ZBF	5144709	1

Technical data

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

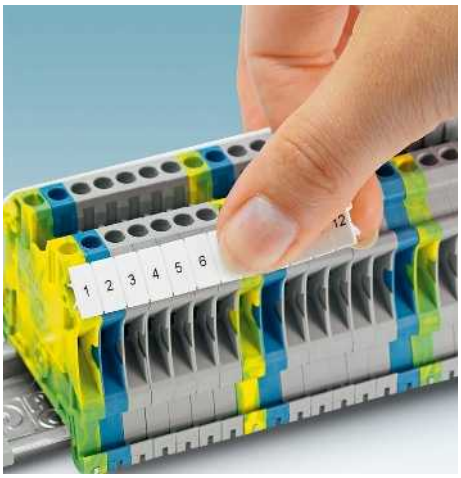
Ordering data

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

Accessories

CMS-P1-M/ZBF	5144709	1

UniCard terminal marking for tall marker groove



- The UCT-TM... UniCard marking range includes markers for products with tall marker grooves
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely using the BLUEMARK, TOPMARK LASER, THERMOMARK CARD, and the THERMOMARK PRIME
- The multi-section marking strips can be easily separated and are easy to fit
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark 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 68.



Can be marked using:

Thermal transfer

UV LED technology

Direct laser marking



Markers for a terminal block width of up to 6.2 mm

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC
Flammability rating 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 terminal blocks with a tall marker groove, 102-section, 17 individual labels per strip, for a terminal block width of 3.5 mm				
	white	**UCT-TM 3,5**	0829484	10
	red	**UCT-TM 3,5 RD**	0829505	10
	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 terminal blocks with a tall marker groove, 102-section, 17 individual labels per strip, lettering field size 3.5 x 7 mm				
	white	**UCTU-TM (3,5X7)**	0803666	10
UniCard, for terminal blocks with a tall marker groove, 84-section, 14 individual labels per strip, for a terminal block width of 4.2 mm				
	white	**UCT-TM 4**	0828732	10
	red	**UCT-TM 4 RD**	0829149	10
	orange	**UCT-TM 4 OG**	0829150	10
	yellow	**UCT-TM 4 YE**	0828733	10
	violet	**UCT-TM 4 VT**	0829151	10
	blue	**UCT-TM 4 BU**	0829152	10
	green	**UCT-TM 4 GN**	0829153	10
UniCard, for terminal blocks with a tall marker groove, 72-section, 12 individual labels per strip, for a terminal block width of 5.2 mm				
	white	**UCT-TM 5**	0828734	10
	red	**UCT-TM 5 RD**	0829154	10
	orange	**UCT-TM 5 OG**	0829155	10
	yellow	**UCT-TM 5 YE**	0828735	10
	violet	**UCT-TM 5 VT**	0829156	10
	blue	**UCT-TM 5 BU**	0829157	10
	green	**UCT-TM 5 GN**	0829158	10
UniCard, for terminal blocks with a tall marker groove, 60-section, 10 individual labels per strip, for a terminal block width of 6.2 mm				
	white	**UCT-TM 6**	0828736	10
	red	**UCT-TM 6 RD**	0829159	10
	orange	**UCT-TM 6 OG**	0829160	10
	yellow	**UCT-TM 6 YE**	0828737	10
	violet	**UCT-TM 6 VT**	0829161	10
	blue	**UCT-TM 6 BU**	0829162	10
	green	**UCT-TM 6 GN**	0829163	10

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 PRIME for accommodating UCT-TM…, UCT1(U)-TM…, UCT5-TM…, UCT-EM (5x10), UCT-EM (6x10)	**TMP-UCT-MAG1**	0803342	1

UniCard terminal marking for tall marker groove

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Markers for terminal block widths up to 16 mm

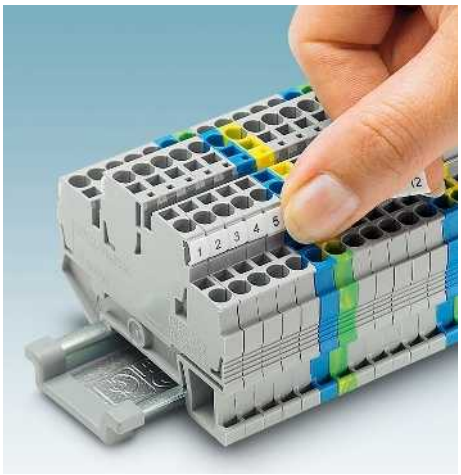
Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC
Flammability rating 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 terminal blocks with a tall marker groove, 48-section, 8 individual labels per strip, for a terminal block width of 7.62 mm				
	white	**UCT-TM 7,62**	0828738	10
	red	**UCT-TM 7,62 RD**	0829510	10
	orange	**UCT-TM 7,62 OG**	0829511	10
	yellow	**UCT-TM 7,62 YE**	0828739	10
	violet	**UCT-TM 7,62 VT**	0829512	10
	blue	**UCT-TM 7,62 BU**	0829513	10
	green	**UCT-TM 7,62 GN**	0829514	10
UniCard, for terminal blocks with a tall marker groove, 42-section, 7 individual labels per strip, for a terminal block width of 8.2 mm				
	white	**UCT-TM 8**	0828740	10
	red	**UCT-TM 8 RD**	0829164	10
	orange	**UCT-TM 8 OG**	0829165	10
	yellow	**UCT-TM 8 YE**	0828741	10
	violet	**UCT-TM 8 VT**	0829166	10
	blue	**UCT-TM 8 BU**	0829167	10
	green	**UCT-TM 8 GN**	0829168	10
UniCard, for terminal blocks with a tall marker groove, 36-section, 6 individual labels per strip, for a terminal block width of 10.2 mm				
	white	**UCT-TM 10**	0829142	10
	red	**UCT-TM 10 RD**	0829169	10
	orange	**UCT-TM 10 OG**	0829170	10
	yellow	**UCT-TM 10 YE**	0829143	10
	violet	**UCT-TM 10 VT**	0829171	10
	blue	**UCT-TM 10 BU**	0829172	10
	green	**UCT-TM 10 GN**	0829173	10
UniCard, for terminal blocks with a tall marker groove, 30-section, 5 individual labels per strip, for a terminal block width of 12 mm				
	white	**UCT-TM 12**	0829144	10
	red	**UCT-TM 12 RD**	0829174	10
	orange	**UCT-TM 12 OG**	0829175	10
	yellow	**UCT-TM 12 YE**	0829145	10
	violet	**UCT-TM 12 VT**	0829176	10
	blue	**UCT-TM 12 BU**	0829177	10
	green	**UCT-TM 12 GN**	0829178	10
UniCard, for terminal blocks with a tall marker groove, 18-section, 3 individual labels per strip, for a terminal block width of 16 mm				
	white	**UCT-TM 16**	0829146	10
	red	**UCT-TM 16 RD**	0829179	10
	orange	**UCT-TM 16 OG**	0829180	10
	yellow	**UCT-TM 16 YE**	0829147	10
	violet	**UCT-TM 16 VT**	0829181	10
	blue	**UCT-TM 16 BU**	0829182	10
	green	**UCT-TM 16 GN**	0829183	10

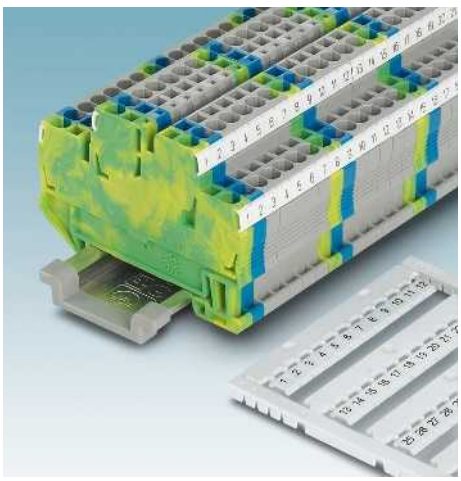
UniCard terminal marking for flat marker groove



- The UCT-TMF ... UniCard marking range includes markers for products with tall and flat marker grooves
- The markers, which are supplied in uniform sheets, can be marked quickly, easily, and precisely using the BLUEMARK, TOPMARK LASER, THERMOMARK CARD, and the THERMOMARK PRIME
- The multi-section marking strips can be easily separated and are easy to fit
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark 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 68.



Can be marked using:



Thermal transfer



UV LED technology



Direct laser marking





Markers for a terminal block width of up to 6.2 mm

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC
Flammability rating 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 terminal blocks with a flat marker groove, 108-section, 18 individual labels per strip, for a terminal block width of 3.5 mm				
	white	**UCT-TMF 3,5**	0829486	10
	red	**UCT-TMF 3,5 RD**	0829515	10
	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 terminal blocks with a flat marker groove, 90-section, 15 individual labels per strip, for a terminal block width of 4.2 mm				
	white	**UCT-TMF 4**	0828742	10
	red	**UCT-TMF 4 RD**	0829184	10
	orange	**UCT-TMF 4 OG**	0829185	10
	yellow	**UCT-TMF 4 YE**	0828743	10
	violet	**UCT-TMF 4 VT**	0829186	10
	blue	**UCT-TMF 4 BU**	0829187	10
	green	**UCT-TMF 4 GN**	0829188	10
UniCard, for terminal blocks with a flat marker groove, 72-section, 12 individual labels per strip, for a terminal block width of 5.2 mm				
	white	**UCT-TMF 5**	0828744	10
	red	**UCT-TMF 5 RD**	0829189	10
	orange	**UCT-TMF 5 OG**	0829190	10
	yellow	**UCT-TMF 5 YE**	0828745	10
	violet	**UCT-TMF 5 VT**	0829191	10
	blue	**UCT-TMF 5 BU**	0829192	10
	green	**UCT-TMF 5 GN**	0829193	10
UniCard, for terminal blocks with a flat marker groove, 60-section, 10 individual labels per strip, for a terminal block width of 6.2 mm				
	white	**UCT-TMF 6**	0828746	10
	red	**UCT-TMF 6 RD**	0829194	10
	orange	**UCT-TMF 6 OG**	0829195	10
	yellow	**UCT-TMF 6 YE**	0828747	10
	violet	**UCT-TMF 6 VT**	0829196	10
	blue	**UCT-TMF 6 BU**	0829197	10
	green	**UCT-TMF 6 GN**	0829198	10

Accessories

Magazine, for THERMOMARK CARD, for accommodating: UCT–TMF ...	**THERMOMARK CARD-UCT-MAG2**	5146563	1
Magazine for THERMOMARK PRIME for accommodating UCT-TMF...	**TMP-UCT-MAG2**	0803343	1

UniCard terminal marking for flat marker groove

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Markers for terminal block widths up to 16 mm

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC
Flammability rating 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

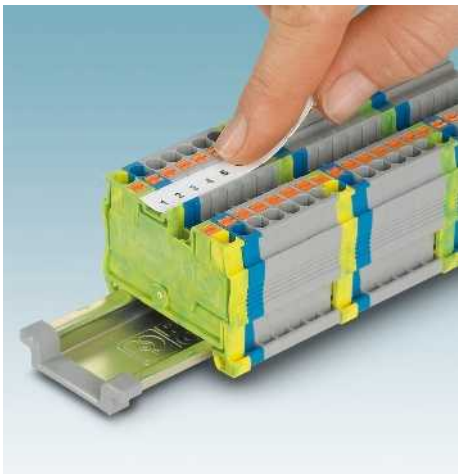
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for terminal blocks with a flat marker groove, 42-section, 7 individual labels per strip, for a terminal block width of 8.2 mm				
	white	**UCT-TMF 8**	0828748	10
	red	**UCT-TMF 8 RD**	0829199	10
	orange	**UCT-TMF 8 OG**	0829200	10
	yellow	**UCT-TMF 8 YE**	0828749	10
	violet	**UCT-TMF 8 VT**	0829201	10
	blue	**UCT-TMF 8 BU**	0829202	10
	green	**UCT-TMF 8 GN**	0829203	10
UniCard, for terminal blocks with a flat marker groove, 36-section, 6 individual labels per strip, for a terminal block width of 10.2 mm				
	white	**UCT-TMF 10**	0829204	10
	red	**UCT-TMF 10 RD**	0829205	10
	orange	**UCT-TMF 10 OG**	0829206	10
	yellow	**UCT-TMF 10 YE**	0829207	10
	violet	**UCT-TMF 10 VT**	0829208	10
	blue	**UCT-TMF 10 BU**	0829209	10
	green	**UCT-TMF 10 GN**	0829210	10
UniCard, for terminal blocks with a flat marker groove, 30-section, 5 individual labels per strip, for a terminal block width of 12 mm				
	white	**UCT-TMF 12**	0829214	10
	red	**UCT-TMF 12 RD**	0829212	10
	orange	**UCT-TMF 12 OG**	0829213	10
	yellow	**UCT-TMF 12 YE**	0829211	10
	violet	**UCT-TMF 12 VT**	0829215	10
	blue	**UCT-TMF 12 BU**	0829216	10
	green	**UCT-TMF 12 GN**	0829217	10
UniCard, for terminal blocks with a flat marker groove, 24-section, 4 individual labels per strip, for a terminal block width of 16 mm				
	white	**UCT-TMF 16**	0829218	10
	red	**UCT-TMF 16 RD**	0829219	10
	orange	**UCT-TMF 16 OG**	0829220	10
	yellow	**UCT-TMF 16 YE**	0829221	10
	violet	**UCT-TMF 16 VT**	0829222	10
	blue	**UCT-TMF 16 BU**	0829223	10
	green	**UCT-TMF 16 GN**	0829224	10

Accessories

Magazine, for THERMOMARK CARD, for accommodating: UCT–TMF ...	**THERMOMARK CARD-UCT-MAG2**	5146563	1
Magazine for THERMOMARK PRIME for accommodating UCT-TMF...	**TMP-UCT-MAG2**	0803343	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 marked quickly, easily, and precisely using the THERMOMARK PRIME and THERMOMARK CARD
- The perforated marking strips are easy to separate and can be easily fitted
- The cards provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers in accordance with your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 68.

Can be marked using:



Thermal transfer



13 strips with a strip width of 104 mm

Technical data

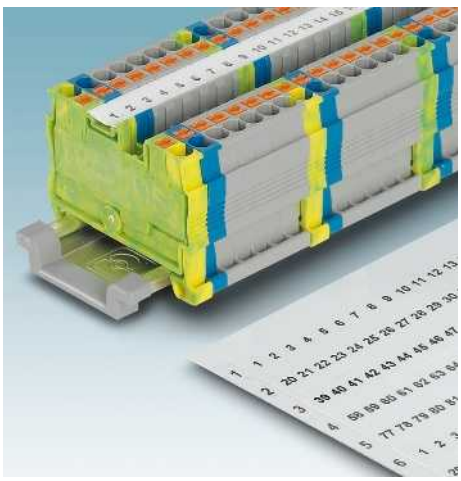
General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Material		PVC
Flammability rating according to UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

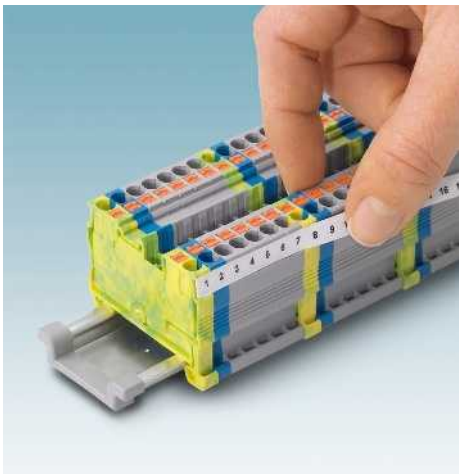
Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, for Push-in terminal blocks with a special center groove	white	**US-TM 100**	0829255	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	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 marked quickly, easily, and precisely using the THERMOMARK PRIME and THERMOMARK CARD
- The perforated marking strips are easy to separate and can be easily fitted
- The cards provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers in accordance with your requirements

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 68.

Can be marked using:



Thermal transfer



20 strips with a strip width of 104 mm

Technical data

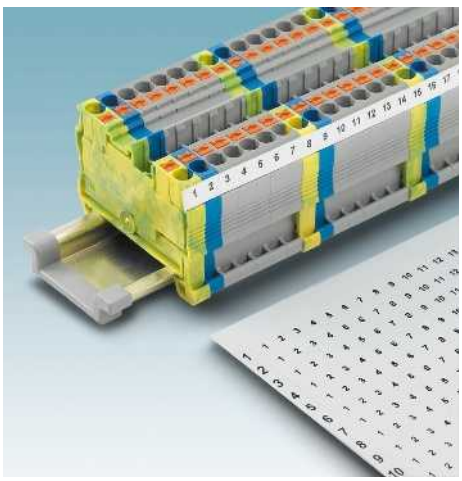
General data	
Can be marked using	THERMOMARK PRIME • THERMOMARK CARD
Material	PVC
Flammability rating according to UL 94	V0
Temperature range [°C]	-30 ... 80
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Silicone-free

Ordering data

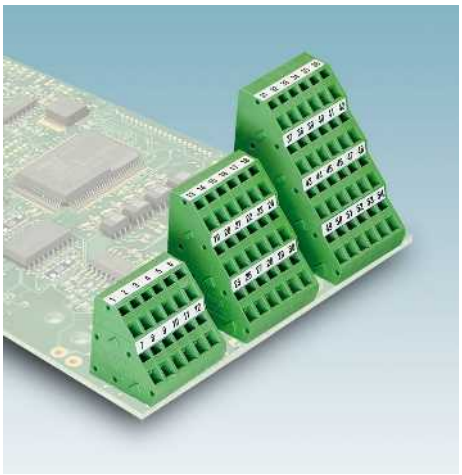
Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, for terminal blocks with tall, flat or universal marker groove	white	**US-TMF 100**	0829260	10
UniSheet, self-adhesive marker strips for terminal blocks with flat marker groove	white	**US-TMFL 100**	0830339	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1



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



- The US-TML marking range includes self-adhesive marker strips for products without a marker groove
- The markers, which are supplied as uniform cards, can be marked quickly, easily, and precisely using the THERMOMARK PRINTE and 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 marked using:



Thermal transfer



26 strips, 104 mm wide, 2.8 mm high

Technical data

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

Ordering data

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

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1



22 strips, 104 mm wide, 3.8 mm high



19 strips, 104 mm wide, 5 mm high



11 strips, 104 mm wide, 10 mm high

Technical data

THERMOMARK PRIME • 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
TMP-US-MAG1	0803341	1

Technical data

THERMOMARK PRIME • 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
TMP-US-MAG1	0803341	1

Technical data

THERMOMARK PRIME • 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
TMP-US-MAG1	0803341	1

Marker strips for tall and flat marker grooves



- The TMT marking range includes markers for all products with tall and flat marker grooves
- The markers in rolls can be marked quickly, easily, and inexpensively using the THERMOMARK ROLL printers
- The perforated marking strips are easy to separate and can be easily fitted using the tool supplied
- Marking service: Phoenix Contact can custom-mark all TMT markers in accordance with your requirements
- **Designation example:**
  TMT 4 R
  Pitch: 4.2 mm
  Type of packaging: roll

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 68.

[1]) The TMT TOOL snap-in tool can only be used for terminal blocks from Phoenix Contact.
If you wish to process the material with the THERMOMARK ROLL, you need the external THERMOMARK ROLL-ERH media hub.
See page 46.

Can be marked using:



Thermal transfer for rolls



Markers for terminal block widths up to 10.2 mm

Technical data

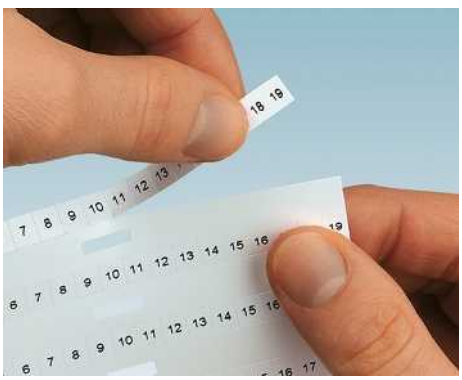
General data	
Can be marked using	THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK S1.1
Material	Polyester
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone and halogen

Ordering data

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

Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1
Locking tool to snap into the TMT... materials[1]) orange	**TMT TOOL**	0816650	1



Terminal marking, marker strips for tall and flat marker grooves



- The TMT marking range includes markers for all products with tall and flat marker grooves
- Marking service: Phoenix Contact can custom-mark all TMT markers in accordance with your requirements
- **Designation example:**
  TMT (Ex5,5)R
  Lettering area length: continuous
  Lettering area height: 5.5 mm
  Type of packaging: roll

Notes:

[1]) The TMT TOOL snap-in tool can only be used for terminal blocks from Phoenix Contact.
If you wish to process the material with the THERMOMARK ROLL, you need the external THERMOMARK ROLL-ERH media hub.
See page 46.

Can be marked using:



Thermal transfer for rolls

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Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		PVC
Material strength		0.50 mm -
Flammability rating according to UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

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

Accessories

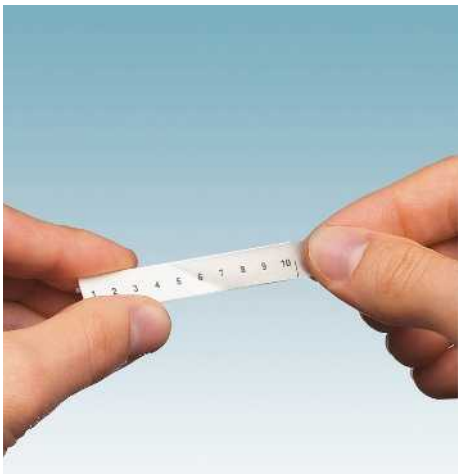
Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm		**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1
Locking tool to snap into the TMT... materials[1])				
	orange	**TMT TOOL**	0816650	1

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



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

Self-adhesive marker strips



– Zack marker strips and flat zack marker strips can be marked subsequently with the TML marking foil
– The markers in rolls can be marked quickly, easily, and inexpensively using the THERMOMARK ROLL printers
– Marking service: Phoenix Contact can custom-mark all TML markers in accordance with your requirements
– **Designation example:**
TML (101x9,5)R TR
Lettering area width: 101 mm
Lettering area height: 9.5 mm
TR = transparent
Type of packaging: roll

Notes:

An overview of the markable terminal blocks that are available from Phoenix Contact can be found starting on page 68.

Can be marked using:



Thermal transfer for rolls



Marker with strip width of 101.5 mm

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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 for zack marker strip, can be marked with a thermal transfer printer, width: 101 mm, height: 9.5 mm 1 roll = 2500 labels	transparent	**TML (101X9,5)R TR**	0816647	1
Labels for zack marker strip, flat, can be marked with a thermal transfer printer, width: 101 mm, height: 4.2 mm 1 roll = 1000 labels	transparent	**TML (101X4,2)R TR**	0816621	1

Accessories

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



Self-adhesive marker strips



Markers with varying strip heights, continuous

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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.
Continuous labels for zack marker strips, can be marked with thermal transfer printer, can be separated with a cutter, pitch as desired, strip length up to 1000 mm, 1 roll = 40 m continuous, height: 9.5 mm	transparent	**TML (EX9,5)R TR**	0816634	1
Continuous labels for zack marker strips, flat, can be marked with thermal transfer printer, can be separated with a cutter, pitch as desired, strip length up to 1000 mm, 1 roll = 40 m continuous, height: 4.2 mm	transparent	**TML (EX4,2)R TR**	0816715	1

Accessories

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

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



– The self-adhesive marker strips from the TML marking range mark products without a marker groove
– **Designation example:**
TML (104x2,8)R
Lettering area width: 104 mm
Lettering area height: 2.8 mm
Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked

Technical data

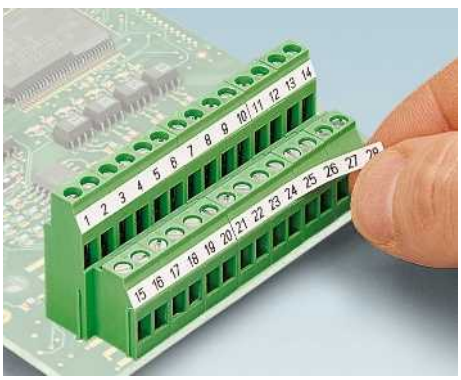
General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK S1.1
Number of individual labels per strip		1
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

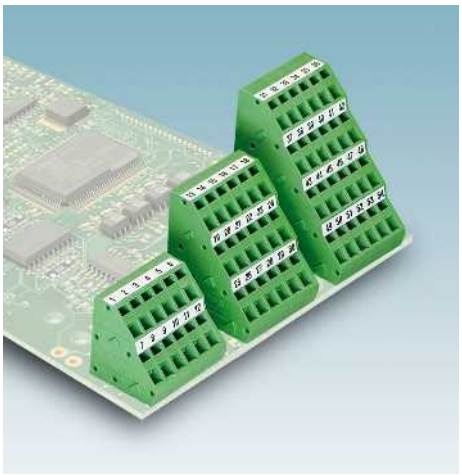
Description	Color	Type	Order No.	Pcs./Pkt.
Labels, can be marked with a thermal transfer printer				
2500 labels per roll	white	**TML (104X2,8)R**	0801832	1
2500 labels per roll	white	**TML (104X3,8)R**	0801833	1
2500 labels per roll	white	**TML (104X5)R**	0801834	1
1500 labels per roll	white	**TML (104X10)R**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

Accessories

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



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



- The self-adhesive marker strips from the TML marking range mark products without a marker groove
- The marker strips are automatically perforated or cut to the required length during the printing process
- **Designation example:**
  TML (Ex2,8) R
  Strip length: continuous
  Strip height: 2.8 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Unmarked

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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

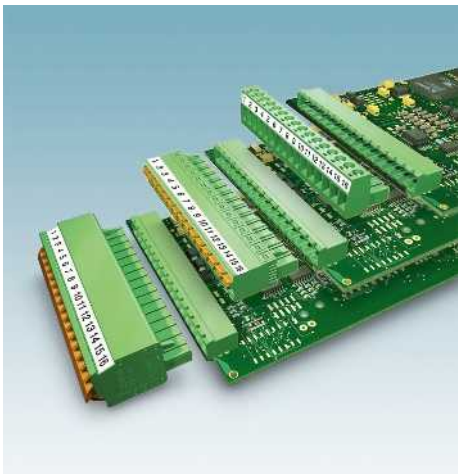
Ordering data

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

Accessories

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

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



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Markers marked up to 5.08 mm pitch

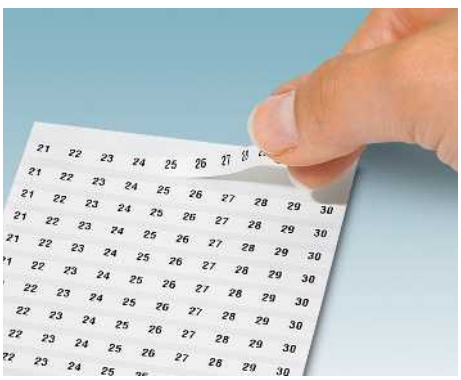
- The SK self-adhesive marker strips mark products without a marker groove
- The markers that are supplied as cards can be easily marked using standard laser printers
- Ideal for marking COMBICON connectors
- Marking service: Phoenix Contact can custom-mark SK markers in accordance with your requirements
- **Designation example:**
  SK 2,54/2,8:CONSEC.NUMBERS
  Pitch: 2.54 mm
  Strip height: 2.8 mm
  Consecutive numbers: e.g., 1-10
  Type of packaging: cards

Technical data

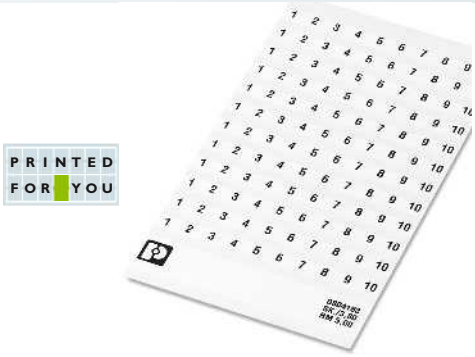
General data		
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

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



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



Markers marked up to 7.62 mm pitch

Technical data

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

Ordering data

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

Terminal marking

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

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



Markers marked with 7.5 mm pitch



Markers marked with 7.62 mm pitch

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

		Ordering data			Ordering data		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
Marker card, printed horizontally, self-adhesive, 10-section marker strip, 10 identical sets of ten marked, e.g., 1 - 10, 11 - 20, and so on 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

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

- The SK self-adhesive marker strips mark products without a marker groove
- The markers in rolls can be marked quickly, easily, and inexpensively using the THERMOMARK ROLL printers
- Ideal for marking COMBICON connectors
- Marking service: Phoenix Contact can custom-mark SK markers in accordance with your requirements

Notes:

The print image may vary depending on laser printer.



Markers with a strip length of up to 1000 mm



Markers with a strip length of up to 185 mm

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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

Technical data

		CMS-P1-PLOTTER • PLOTMARK • Office printing systems
		Polyester
		-40 ... 150
		DIN EN 61010-1 (VDE 0411-1)
		free from silicone and halogen

Ordering data

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

Ordering data

Type	Order No.	Pcs./Pkt.
SK U/2,8 WH:UNBEDRUCKT	0803883	10
SK U/3,8 WH:UNBEDRUCKT	0803906	10
SK U/5,0 WH:UNBEDRUCKT	0803922	10

Accessories

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

Accessories

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



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

Can be marked using:



Thermal transfer



UV LED technology



Direct laser marking



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Number of individual labels		24
Material		PC
Flammability rating 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 marking the CLIPFIX 35-5, 24-part end brackets, 8 individual labels per strip, lettering field size: 30 x 5 mm				
	white	**UCT-EM (30X5)**	0801505	10
	yellow	**UCT-EM (30X5) YE**	0830340	10

Accessories

End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs			
	CLIPFIX 35-5	3022276	50
Magazine, for THERMOMARK CARD, For accommodating: UCT–EM (30X5)	**THERMOMARK CARD-UCT-MAG10**	0801737	1
Magazine for THERMOMARK PRIME For accommodating UCT-EM (30 x 5)	**TMP-UCT-MAG10**	0803352	1

Marking of terminal block groups for snapping into tall marker groove

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



3.5 mm and 5.2 mm pitch

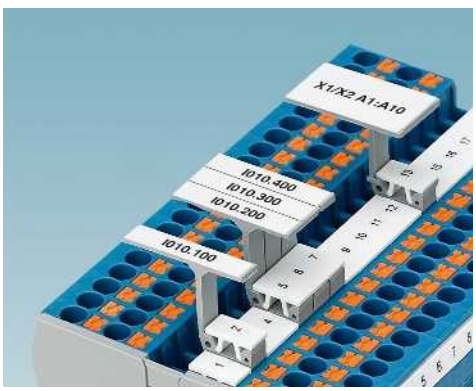


29 mm pitch

		Technical data	Technical data
General data			
Material		PA	PA / PC
Flammability rating 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 or UCT-TM 3,5							
	gray	**GBS 3,5-25X3,5**	0830290	100			
	gray	**GBS 3,5-25X12**	0830292	100			
Group marking label, can be snapped into terminal center, can be marked with an EML (24X4)R or EML (25,4X12,7)R... label or manually with B–STIFT or X–PEN, in the foot part with ZB 5, UC-TM 5 or UCT-TM 5							
	gray	**GBS 5-25X5**	0829126	100			
	gray	**GBS 5-25X12**	0810588	100			
Group marking label, can be snapped into terminal center, can be marked with ESL 26 x 6 or EMT (25 x 6) R insert strips, in foot part with zack marker strip ZB, length: 29 mm							
	gray				**GBS-ZB/26X6**	0809298	50

		Accessories			Accessories		
Labels for thermal transfer printer							
1 roll = 2500 labels	white	**EML (24X3)R**	0830291	1			
1 roll = 2500 labels	white	**EML (25,4X12,7)R**	0816825	1			
1 roll = 1000 labels	white	**EML (24X4)R**	0800061	1			
Insert strips for laser printers, perforated, lettering field size: 26 x 6 mm, 266 labels per sheet							
	white				**ESL 26X6**	0808105	10
Roll, insert labels, can be marked with thermal transfer printer							
1 roll = 5000 markers	white				**EMT (25X6)R**	0817264	1



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





STP ...

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

STP ...-ZB

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

CARRIER-TM 300

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

CARRIER-TMD 300

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



Technical data

General data		
Material		PA
Flammability rating 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 PTTB 1,5/S Push-in double-level terminal blocks, can be marked with: ZB(F) 3,5 or UCT-TM(F) 3,5	gray	**STP 3,5-2**	**0830131**	100
Triple marker carrier, can be snapped into the Push-in three-level terminal block PT 1,5/S-3..., can be marked with: ZB(F) 3,5 or UCT-TM(F) 3,5	gray	**STP 3,5-3**	**0830132**	100
Double marker carrier, can be snapped into the STTB 1,5, PTTB 1,5 double-level spring-cage terminal blocks, can be marked with: UC-TM(F) 4, ZB(F) 4 or UCT-TM(F) 4	gray	**STP 4-2**	**0810575**	100
Double marker carrier, can be snapped into STTB 2,5, STTB 4, PTTB 2,5, PTTB 4 double-level terminal blocks, can be marked with: UC-TM(F) 5, ZB(F) 5 or UCT-TM(F) 5	gray	**STP 5-2**	**0800967**	100
Triple marker carrier, can be snapped into the ST 2,5–3..., PT 2,5–3... three-level terminal block, can be marked with: UC-TM(F) 5, ZB(F) 5 or UCT-TM 5	gray	**STP 5-3**	**0810562**	100
Double marker carrier, can be snapped into QTTCB ... and QTTCBS ... double-level fast-connection terminal blocks, can be marked with UC-TM(F) 5, ZB(F) 5 or UCT-TM(F) 5	gray	**STP 5-2/S**	**0800970**	100
Double marker carrier, can be snapped into all terminal blocks with a width of 4.2 mm and a central zack marker strip groove, can be marked with: UC-TM(F) 4, ZB(F) 4 or UCT-TM(F) 4	gray	**STP 4-2-ZB**	**3038613**	100
Double marker carrier, can be snapped into all terminal blocks with a width of 5.2 mm or above and a central zack marker strip groove, can be marked with: UC-TM(F) 5, ZB(F) 5 or UCT-TM(F) 5	gray	**STP 5-2-ZB**	**3037643**	100
Marker adapter, 300 mm long, can be snapped into the lateral groove on terminal blocks, designed to accommodate UC-TM..., ZB... or UCT-TM...	gray	**CARRIER-TM 300**	**0828282**	25
Marker adapters, such as the CARRIER-TM 300; marking area at an angle to the top of the terminal block, designed to accommodate UC-TM..., ZB... or UCT-TM...	gray	**CARRIER-TMH 300**	**0830670**	25
Marker adapter, double row, 300 mm long, can be snapped into the center groove on terminal blocks, designed to accommodate two UC-TM..., ZB... or UCT-TM...	gray	**CARRIER-TMD 300**	**0828693**	25

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 block
- Can be isolated lengthwise and crosswise



Warning labels for terminal blocks 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



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



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

Notes:

An overview of markable terminal blocks can be found on page 88 onwards.

Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm				
	white	**UC1-TM 5**	0821784	10
	red	**UC1-TM 5 RD**	0828185	10
	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
UniCard, for marking terminal blocks from other manufacturers, offset foot, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm				
	white	**UC1U-TM 5**	0821302	10
UniCard, for marking terminal blocks from other manufacturers, 80-section, 10 individual labels per strip, for a terminal block width of 6 mm				
	white	**UC1-TM 6**	0821247	10
	red	**UC1-TM 6 RD**	0828190	10
	orange	**UC1-TM 6 OG**	0828191	10
	yellow	**UC1-TM 6 YE**	0828192	10
	blue	**UC1-TM 6 BU**	0828193	10
	green	**UC1-TM 6 GN**	0828194	10
UniCard, for marking terminal blocks from other manufacturers, 64-section, 8 individual labels per strip, for a terminal block width of 8 mm				
	white	**UC1-TM 8**	0821739	10
	red	**UC1-TM 8 RD**	0828195	10
	orange	**UC1-TM 8 OG**	0828196	10
	yellow	**UC1-TM 8 YE**	0828197	10
	blue	**UC1-TM 8 BU**	0828198	10
	green	**UC1-TM 8 GN**	0828199	10

Accessories

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

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



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

Notes:

An overview of markable terminal blocks can be found on page 88 onwards.

Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 120-section, 15 individual labels per strip, for a terminal block width of 4 mm				
	white	**UC1-TMF 4**	**0821360**	10
	red	**UC1-TMF 4 RD**	**0828200**	10
	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 marking terminal blocks from other manufacturers, 96-section, 12 individual labels per strip, for a terminal block width of 5 mm				
	white	**UC1-TMF 5**	**0821425**	10
	red	**UC1-TMF 5 RD**	**0828205**	10
	orange	**UC1-TMF 5 OG**	**0828206**	10
	yellow	**UC1-TMF 5 YE**	**0828127**	10
	blue	**UC1-TMF 5 BU**	**0828207**	10
	green	**UC1-TMF 5 GN**	**0828208**	10
UniCard, for marking terminal blocks from other manufacturers, 80-section, 10 individual labels per strip, for a terminal block width of 6 mm				
	white	**UC1-TMF 6**	**0821483**	10
	red	**UC1-TMF 6 RD**	**0828209**	10
	orange	**UC1-TMF 6 OG**	**0828210**	10
	yellow	**UC1-TMF 6 YE**	**0828211**	10
	blue	**UC1-TMF 6 BU**	**0828212**	10
	green	**UC1-TMF 6 GN**	**0828213**	10
UniCard, for marking terminal blocks from other manufacturers, 64-section, 8 individual labels per strip, for a terminal block width of 8 mm				
	white	**UC1-TMF 8**	**0821548**	10
	red	**UC1-TMF 8 RD**	**0828214**	10
	orange	**UC1-TMF 8 OG**	**0828215**	10
	yellow	**UC1-TMF 8 YE**	**0828216**	10
	blue	**UC1-TMF 8 BU**	**0828217**	10
	green	**UC1-TMF 8 GN**	**0828218**	10

Accessories

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

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



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

Notes:

An overview of markable terminal blocks can be found on page 88 onwards.

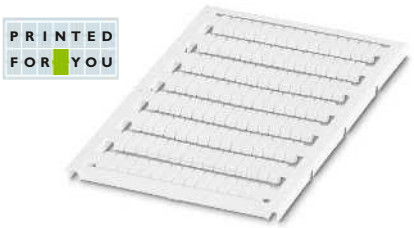
Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

Technical data

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

Ordering data

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

Accessories

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

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



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

Notes:

An overview of markable terminal blocks can be found on page 88 onwards.

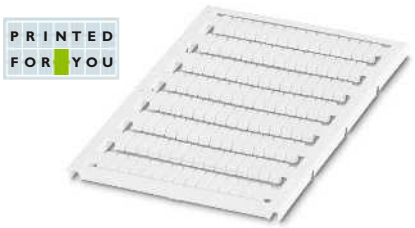
Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

Technical data

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

Ordering data

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

Accessories

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

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



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

Notes:

An overview of markable terminal blocks can be found on page 88 onwards.

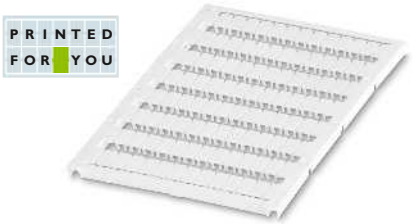
Can be marked using:



UV LED technology



Plotter



Markers for terminal block widths up to 8 mm

Technical data

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

Ordering data

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

Accessories

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

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



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

Can be marked using:



UV LED technology



Plotter



Markers for a terminal block width over 5 mm

Technical data

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

Ordering data

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

Accessories

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

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

– The UCT1-TM ... UniCard marking range includes markers for Weidmüller, CONTA-CLIP, and Klemsan terminal blocks
– The UCT1-TMF ... UniCard marking range includes markers for Weidmüller, Wago, ABB (Entrelec), CONTA-CLIP, and Klemsan terminal blocks
– Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements



Markers for terminal block widths up to 6 mm



Flat marker for a terminal block width up to 6 mm

Notes:

An overview of markable terminal blocks can be found on page 88 onwards.

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC
Flammability rating 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

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking terminal blocks from other manufacturers, 72-section, 12 individual labels per strip, for a terminal block width of 5 mm				
	white	**UCT1-TM 5**	0829482	10
	red	**UCT1-TM 5 RD**	0829226	10
	orange	**UCT1-TM 5 OG**	0829227	10
	yellow	**UCT1-TM 5 YE**	0829228	10
	blue	**UCT1-TM 5 BU**	0829229	10
	green	**UCT1-TM 5 GN**	0829230	10
UniCard, for marking terminal blocks from other manufacturers such as UCT1-TM 5, but with offset foot				
	white	**UCT1U-TM 5**	0803204	10
UniCard, for marking terminal blocks from other manufacturers, 60-section, 10 individual labels per strip, for a terminal block width of 6 mm				
	white	**UCT1-TM 6**	0829483	10
	red	**UCT1-TM 6 RD**	0829232	10
	orange	**UCT1-TM 6 OG**	0829233	10
	yellow	**UCT1-TM 6 YE**	0829234	10
	blue	**UCT1-TM 6 BU**	0829235	10
	green	**UCT1-TM 6 GN**	0829236	10

Ordering data

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

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
Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2–TM ... for accommodating: UCT1–TMF...			
Magazine for THERMOMARK PRIME for accommodating UCT-TM…, UCT1(U)-TM…, UCT5-TM…, UCT-EM (5x10), UCT-EM (6x10)	**TMP-UCT-MAG1**	0803342	1
Magazine for THERMOMARK PRIME for accommodating UCT1-TMF...			

Accessories

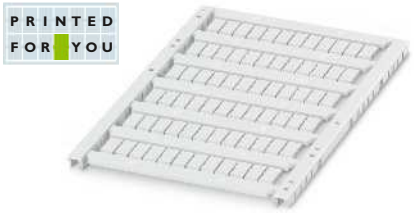
THERMOMARK CARD-UCT-MAG4	5146614	1	
TMP-UCT-MAG4	0803345	1	

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

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

Notes:

An overview of markable terminal blocks can be found on page 88 onwards.



Markers for terminal block widths of 5 to 6 mm



Markers for terminal block widths up to 6 mm

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC
Flammability rating 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

Technical data

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

Ordering data

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

Ordering data

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

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating: UCT2-TM ...	**THERMOMARK CARD-UCT-MAG5**	5146615	1
Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating: UCT3-TM ...			
Magazine for THERMOMARK PRIME for accommodating UCT2-TM...	**TMP-UCT-MAG5**	0803347	1
Magazine for THERMOMARK PRIME for accommodating UCT3-TM...			

Accessories

THERMOMARK CARD-UCT-MAG6	5146616	1
TMP-UCT-MAG6	0803348	1

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



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

Notes:

An overview of markable terminal blocks can be found on page 88 onwards.

Can be marked using:



Thermal transfer



UV LED technology



Direct laser marking



Markers for terminal block widths up to 6 mm

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC
Flammability rating 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 marking terminal blocks from other manufacturers, 66-section, 11 individual labels per strip, for a terminal block width of 5 mm	white	**UCT5-TM 5**	0828750	10
UniCard, for marking terminal blocks from other manufacturers, 54-section, 9 individual labels per strip, for a terminal block width of 6 mm	white	**UCT5-TM 6**	0828752	10

Accessories

Magazine, for THERMOMARK CARD for accommodating: UCT–TM ..., UCT1–TM ..., UCT5–TM ..., UCT–EM (5X10), UCT-EM (6X10)	**THERMOMARK CARD-UCT-MAG1**	5146480	1
Magazine for THERMOMARK PRIME for accommodating UCT-TM…, UCT1(U)-TM…, UCT5-TM…, UCT-EM (5x10), UCT-EM (6x10)	**TMP-UCT-MAG1**	0803342	1

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



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

Notes:

An overview of markable terminal blocks can be found on page 88 onwards.

Can be marked using:



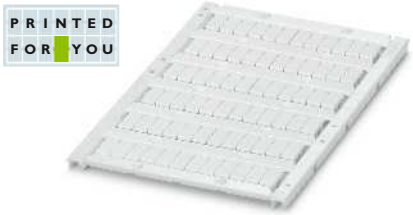
Thermal transfer



UV LED technology



Direct laser marking



Markers for terminal block widths up to 8.2 mm

Technical data

General data	
Can be marked using	THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material	PC
Flammability rating 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 marking terminal blocks from other manufacturers, 60-section, 12 individual labels per strip, for a terminal block width of 5.2 mm	white	**UCT6M-TM 5**	0830756	10
UniCard, for marking terminal blocks from other manufacturers, 50-section, 10 individual labels per strip, for a terminal block width of 6.2 mm	white	**UCT6M-TM 6**	0830757	10
UniCard, for marking terminal blocks from other manufacturers, 35-section, 7 individual labels per strip, for a terminal block width of 8.2 mm	white	**UCT6M-TM 8**	0830758	10

Accessories

Magazine, for THERMOMARK CARD for accommodating UCT6M-TM ...	**THERMOMARK CARD-UCT-MAG23**	0830808	1
Magazine for THERMOMARK PRIME for accommodating UCT6M-TM...	**TMP-UCT-MAG23**	0803367	1

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



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

Notes:

An overview of markable terminal blocks can be found on page 88 onwards.

Can be marked using:



Thermal transfer



UV LED technology



Direct laser marking



Markers for terminal block widths up to 8.2 mm

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC
Flammability rating 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 marking terminal blocks from other manufacturers, 60-section, 12 individual labels per strip, for a terminal block width of 5.2 mm	white	**UCT6R-TM 5**	0830753	10
UniCard, for marking terminal blocks from other manufacturers, 50-section, 10 individual labels per strip, for a terminal block width of 6.2 mm	white	**UCT6R-TM 6**	0830754	10
UniCard, for marking terminal blocks from other manufacturers, 35-section, 7 individual labels per strip, for a terminal block width of 8.2 mm	white	**UCT6R-TM 8**	0830755	10

Accessories

Magazine, for THERMOMARK CARD for accommodating UCT6R-TM ...	**THERMOMARK CARD-UCT-MAG24**	0830809	1
Magazine for THERMOMARK PRIME for accommodating UCT6R-TM...	**TMP-UCT-MAG24**	0803368	1

UniSheet marking for terminal blocks from other manufacturers



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

Notes:

An overview of markable terminal blocks can be found on page 88 onwards.

Can be marked using:



Thermal transfer for sheets and cards



12 strips with a strip width of 104 mm

Technical data

General data		
Can be marked using		THERMOMARK CARD • THERMOMARK PRIME
Number of individual labels		12
Number of individual labels per strip		1
Material		PVC
Flammability rating 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 terminal blocks from other manufacturers with a Wago TopJob S terminal block groove, strip length of 104 mm	white	**US2-TM 100**	0829268	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

UM marking for terminal blocks from other manufacturers, strips



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

Can be marked using:



Thermal transfer



UV LED technology



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

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED
Material		PC
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone, halogen, and cadmium

Ordering data

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

Accessories

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

UM marking for terminal blocks from other manufacturers, strips



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

Can be marked using:



Thermal transfer



UV LED technology



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

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED
Material		PC
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UM1-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, unprinted, 20-section, pitch: 6 mm, label height: 12 mm				
	white	**UM1-TM (6X12)**	0830909	10
	red	**UM1-TM (6X12) RD**	0833050	10
	orange	**UM1-TM (6X12) OG**	0833051	10
	yellow	**UM1-TM (6X12) YE**	0833052	10
	blue	**UM1-TM (6X12) BU**	0833053	10
	green	**UM1-TM (6X12) GN**	0833054	10
UM1-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, unprinted, 14-section, pitch: 8 mm, label height: 10 mm				
	white	**UM1-TM (8X10)**	0830906	10
	red	**UM1-TM (8X10) RD**	0833055	10
	orange	**UM1-TM (8X10) OG**	0833056	10
	yellow	**UM1-TM (8X10) YE**	0833057	10
	blue	**UM1-TM (8X10) BU**	0833058	10
	green	**UM1-TM (8X10) GN**	0833059	10
UM1-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, unprinted, 14-section, pitch: 8 mm, label height: 12 mm				
	white	**UM1-TM (8X12)**	0830920	10
	red	**UM1-TM (8X12) RD**	0833060	10
	orange	**UM1-TM (8X12) OG**	0833061	10
	yellow	**UM1-TM (8X12) YE**	0833062	10
	blue	**UM1-TM (8X12) BU**	0833063	10
	green	**UM1-TM (8X12) GN**	0833064	10
UM1-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, Conta-Clip, Klemsan, unprinted, 10-section, pitch: 12 mm, label height: 10 mm				
	white	**UM1-TM (12X10)**	0830916	10
	red	**UM1-TM (12X10) RD**	0833065	10
	orange	**UM1-TM (12X10) OG**	0833066	10
	yellow	**UM1-TM (12X10) YE**	0833067	10
	blue	**UM1-TM (12X10) BU**	0833068	10
	green	**UM1-TM (12X10) GN**	0833069	10

Accessories

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

UM marking for terminal blocks from other manufacturers, strips



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

Can be marked using:



Thermal transfer



UV LED technology



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

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED
Material		PC
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UM1U-TM ..., for marking terminal blocks from other manufacturers, Weidmüller, CONTA-CLIP, Klemsan, with an offset foot, unprinted, 24-section, pitch: 5 mm				
	white	**UM1U-TM (5X10)**	0830910	10
	red	**UM1U-TM (5X10) RD**	0833030	10
	orange	**UM1U-TM (5X10) OG**	0833031	10
	yellow	**UM1U-TM (5X10) YE**	0833032	10
	blue	**UM1U-TM (5X10) BU**	0833033	10
	green	**UM1U-TM (5X10) GN**	0833034	10
UM1U-TM ..., for marking terminal blocks from other manufacturers such as Weidmüller, CONTA-CLIP, Klemsan, with an offset foot, unprinted, 20-section, pitch: 6 mm				
	white	**UM1U-TM (6X10)**	0830907	10
	red	**UM1U-TM (6X10) RD**	0833045	10
	orange	**UM1U-TM (6X10) OG**	0833046	10
	yellow	**UM1U-TM (6X10) YE**	0833047	10
	blue	**UM1U-TM (6X10) BU**	0833048	10
	green	**UM1U-TM (6X10) GN**	0833049	10

Accessories

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

UM marking for terminal blocks from other manufacturers, strips



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

Can be marked using:



Thermal transfer



UV LED technology



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

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED
Material		PC
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone, halogen, and cadmium

Ordering data

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

Accessories

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

UM marking for terminal blocks from other manufacturers, strips



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

Can be marked using:



Thermal transfer



UV LED technology



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

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED
Material		PC
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone, halogen, and cadmium

Ordering data

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

Accessories

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



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



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



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

Technical data

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

Ordering data

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

Accessories

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

Technical data

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

Ordering data

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

Accessories

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

Technical data

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

Ordering data

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

Accessories

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

UM marking for terminal blocks from other manufacturers, strips



Can be marked using:

Thermal transfer

UV LED technology



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

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

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED
Material		PC
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UM6R-TM... for marking Entrelec terminal blocks, unprinted, 24/20/14-section, pitch: 5 to 8 mm				
	white	**UM6R-TM (5X10)**	0830923	10
	white	**UM6R-TM (6X10)**	0830921	10
	white	**UM6R-TM (8X10)**	0830932	10
UM7-TM... for marking Legrand terminal blocks, unprinted, 24/20/14-section, pitch: 5 to 8 mm				
	white			
	white			
	white			
UM8-TM... for marking Woertz terminal blocks, unprinted, 24/20-section, pitch: 5 to 6 mm				
	white			
	white			

Accessories

Magazine for THERMOMARK CARD and THERMOMARK PRIME			
For accommodating UM7-TM (5x10), UM7-TM (6x10)			
For accommodating UM6R-TM...	**TMP-UM-MAG8**	0803331	1
For accommodating UM8-TM...			
Magazine for the BLUEMARK printer, for accommodating UM materials			
	BLUEMARK MAG UM-TM	0803335	1



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



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

Technical data

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

Ordering data

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

Accessories

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

Technical data

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

Ordering data

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

Accessories

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


W/H.13
XUS 21.2
+1B2/2:2/4
-X1:26
-X1:18
-X23:1

Wire and cable marking - MARKING system

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

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

Product range overview

Wire and cable marking **186**

Overview of conductor markers and cable markers **188**
The right marking solution for every diameter

LS-WMTB... LaserSheet wire and cable marking

Stainless steel and aluminum markers, for assembly with cable binders **197**

WMTB AL... aluminum wire and cable marking **200**

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

Clip-on and slide-on markers, for insertion into marking collars, for assembly with cable binders, for threading **202**

US-WM... UniSheet wire and cable marking

Markers for insertion into marking collars, for assembly with cable binders, adhesive markers for wrapping around **221**

WM... wire and cable marking supplied in rolls

Adhesive markers for wrapping around or as flags **224**

WMS... shrink sleeves supplied in rolls **232**

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

Markers for insertion into marking collars, for threading, for assembly with cable binders **236**

KMK... cable markers for assembly with cable binders **242**

Cable markers for carrier assembly

Markers made of plastic and stainless steel **253**

PATG... and PATO... marking collars **256**



Far from being a luxury, standard-compliant and permanent wire and cable markings are actually a mark of quality demanded by customers in respect of modern high-quality capital goods.

Phoenix Contact provides the ideal marking option for wire and cable marking, for all users and all applications. With this in mind, a comprehensive product range is available, consisting of various label and sign formats, made from different basic materials, such as plastics, aluminum, and stainless steel.

The marking materials are affixed depending on their design, either via threading on, clipping on, adhesion or with cable binders. The printing systems and marking materials that are coordinated with each other ensure high quality and resistance to external influences.

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

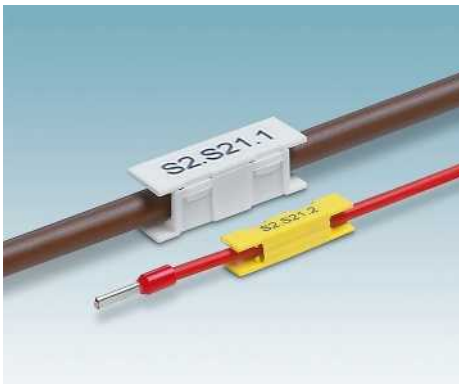
– TOPMARK LASER, laser marker for marking UniCard formats, as well as stainless steel and aluminum labels
– BLUEMARK CLED, high-speed printer with UV technology for marking UniCard formats and aluminum markers
– THERMOMARK CARD and THERMOMARK PRIME, thermal transfer card printer for marking UniSheet and UniCard formats
– THERMOMARK ROLL, thermal transfer roll printer for marking rolls and continuous media
– THERMOMARK ROLLMASTER 300 and ROLLMASTER 600, industrial thermal transfer roll printer for large printing volumes of rolls and continuous media
– THERMOMARK W2, thermal transfer printer for double-sided marking and perforation of continuous shrink sleeves
– THERMOFOX, thermal transfer printer in handheld format, for marking labels and shrink sleeves in cassette format
– PLOTMARK, marking plotter for marking UniCard formats as well as materials in strip and sheet format
– Commercial desktop laser printer, for marking material in sheet format

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

If you do not have the option of creating markings yourself, you can turn to our marking service. We will be happy to handle your printing orders. This also includes engraving or laser marking of stainless steel cable markers.



Conductors and cables can be optimally and permanently marked with stainless steel or aluminum markers. They are attached using cable binders.



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



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



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



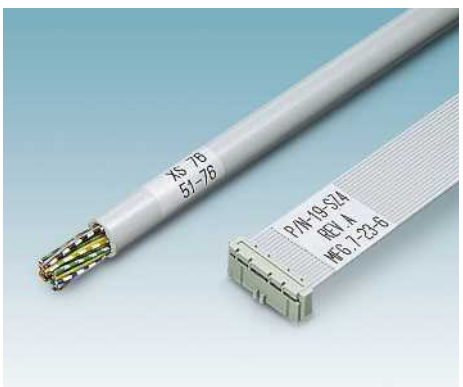
PATG HF, PATG, and PATO marking collars are slid onto the conductors and filled with insert strips that can be marked.



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



Conductor markers are fitted using cable binders almost regardless of conductor or cable diameter. The large marking area provides enough space for comprehensive marking.



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



Plastic cable markers are suitable for both bundling and marking conductors and cables. A sealing cap protects the marking against contamination and abrasion.

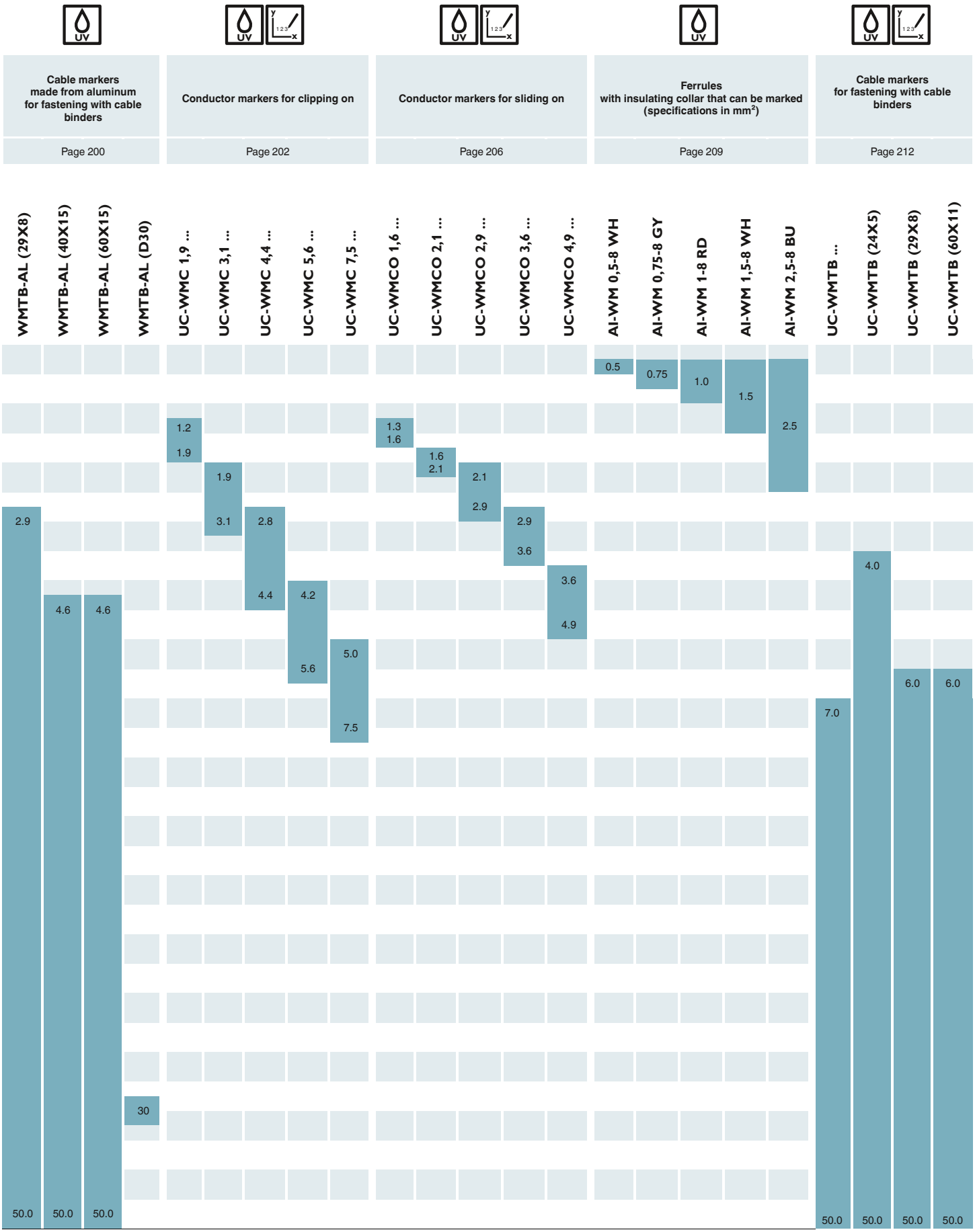
Overview of wire and cable marking

Markers for marking with various marking technologies






Conductor / cable diameter [mm]	Shrink sleeve (shrink ratio: 3:1)				Shrink sleeve (shrink ratio: 2:1)				Cable marker label		Cable markers made from stainless steel and aluminum for fastening with cable binders					
	Page 48				Page 49				Page 49		Page 197					
	MM-WMS 3,2 ...	MM-WMS 4,8 ...	MM-WMS 6,4 ...	MM-WMS 9,5 ...	MM-WMS-2 3,2 ...	MM-WMS-2 4,8 ...	MM-WMS-2 6,4 ...	MM-WMS-2 9,5 ...	MM-WML 3 ...	MM-WML 5 ...	LS-WMTB-... (29X8)	LS-WMTB-... (40X15)	LS-WMTB-... (60X15)	LS-WMTB-... (100X15)	LS-WMTB-... (D25)	LS-WMTB-... (D30)
0.5																
1.0																
1.5	1.0															
2.0		1.6	2.1		1.6				2.0	2.0						
2.5						2.4										
3.0	3.2				3.2				3.0		2.9					
3.5				3.2			3.2									
4.0																
4.5												4.6	4.6	4.6		
5.0		4.8				4.8				5.0						
5.5								4.8								
6.0			6.4				6.4									
7.0																
8.0																
9.0				9.5				9.5								
10.0																
12.0																
14.0																
16.0																
18.0																
20.0																
22.0																
24.0																
26.0															25	
28.0																
30.0																30
35.0																
40.0																
45.0																
50.0											50.0	50.0	50.0	50.0		


Cable markers made from aluminum for fastening with cable binders
Page 200
Conductor markers for clipping on
Page 202
Conductor markers for sliding on
Page 206
Ferrules with insulating collar that can be marked (specifications in mm²)
Page 209
Cable markers for fastening with cable binders
Page 212
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
UC-WMTB ...
UC-WMTB (24X5)
UC-WMTB (29X8)
UC-WMTB (60X11)
2.9
4.6
4.6
30
1.2
1.9
1.9
3.1
2.8
4.4
4.2
5.6
5.0
7.5
1.3
1.6
1.6
2.1
2.1
2.9
2.9
3.6
3.6
4.9
0.5
0.75
1.0
1.5
2.5
7.0
4.0
6.0
6.0
50.0
50.0
50.0
50.0
50.0
50.0
50.0
50.0

Overview of wire and cable marking

Markers for marking with various marking technologies



Conductor / cable diameter [mm]	Conductor markers for sliding on		Conductor markers for clipping on									Cable markers for fastening with cable binders			
	Page 216		Page 217									Page 218			
	UCT-WMS 3,2...	UCT-WMS 4,7 ...	UCT-WMCO 1,9 ...	UCT-WMCO 2,9 ...	UCT-WMCO 3,5 ...	UCT-WMCO 2,9 ...	UCT-WMCO 4,7 ...	UCT-WMCO 5,4 ...	UCT-WMCO 6,1 ...	UCT-WMCO 6,8 ...	UCT-WMCO 7,5 ...	UCT-WMTBA (24X4)	UCT-WMTBA (29X6)	UCT-WMTBA (40X17)	UCT-WMTBA (29X8)
0.5															
1.0															
1.5			1.1												
2.0	1.5		1.9												
2.5				2.0											
3.0		2.5		2.9	2.9										2.9
3.5	3.2				3.5										
4.0						3.5									
4.5						4.1									
5.0		4.7					4.1								
5.5							4.7	4.7				5.0			
6.0							5.4	5.4	5.4						
7.0									6.1	6.1			6.0	6.0	
8.0										6.8	6.8				
9.0											7.5				
10.0															
12.0															
14.0															
16.0															
18.0															
20.0															
22.0															
24.0															
26.0															
28.0															
30.0															
35.0															
40.0															
45.0															
50.0												50.0	50.0	50.0	50.0






Cable markers for fastening with cable binders	Cable marker label	Cable marker label	Cable marker label
Page 222	Page 223	Page 224	Page 225

US-WMTB...	US-WML 6 (13 x 13)	US-WML 14 (25x19)	US-WML 36 (25x25)	WML 3 (13x10)A4	WML 5 (25x10)A4	WML 7,5 (25X13)A4	WML 14 (25x19)A4	WML 22 (35x25)A4	WML 36 (25x38)A4	WML 3 (13 x 10) R	WML 5 (25 x 10) R	WML 6 (13 x 13) R	WML 7,5 (...X...)R	WML 12 (25x19) R	WML 14 (...X...)R	WML 18 (12 x 12) R	WML 20 (31 x 25) R	WML 22 (25 x 25) R	WML 36 (25 x 38) R	WML 46 (25 x 83) R
13.0	4.0	6.0	14.0	3.0	3.0	4.0	6.0	8.0	12.0	3.0	3.0	4.0	4.0	6.0	6.0	4.0	8.0	8.0	12.0	12.0
50.0	6.0	14.0	36.0		5.0	7.5	14.0	22.0	36.0		5.0	6.0	7.5	12.0	14.0	18.0	20.0	22.0	36.0	46.0

Overview of wire and cable marking

Markers for marking with various marking technologies





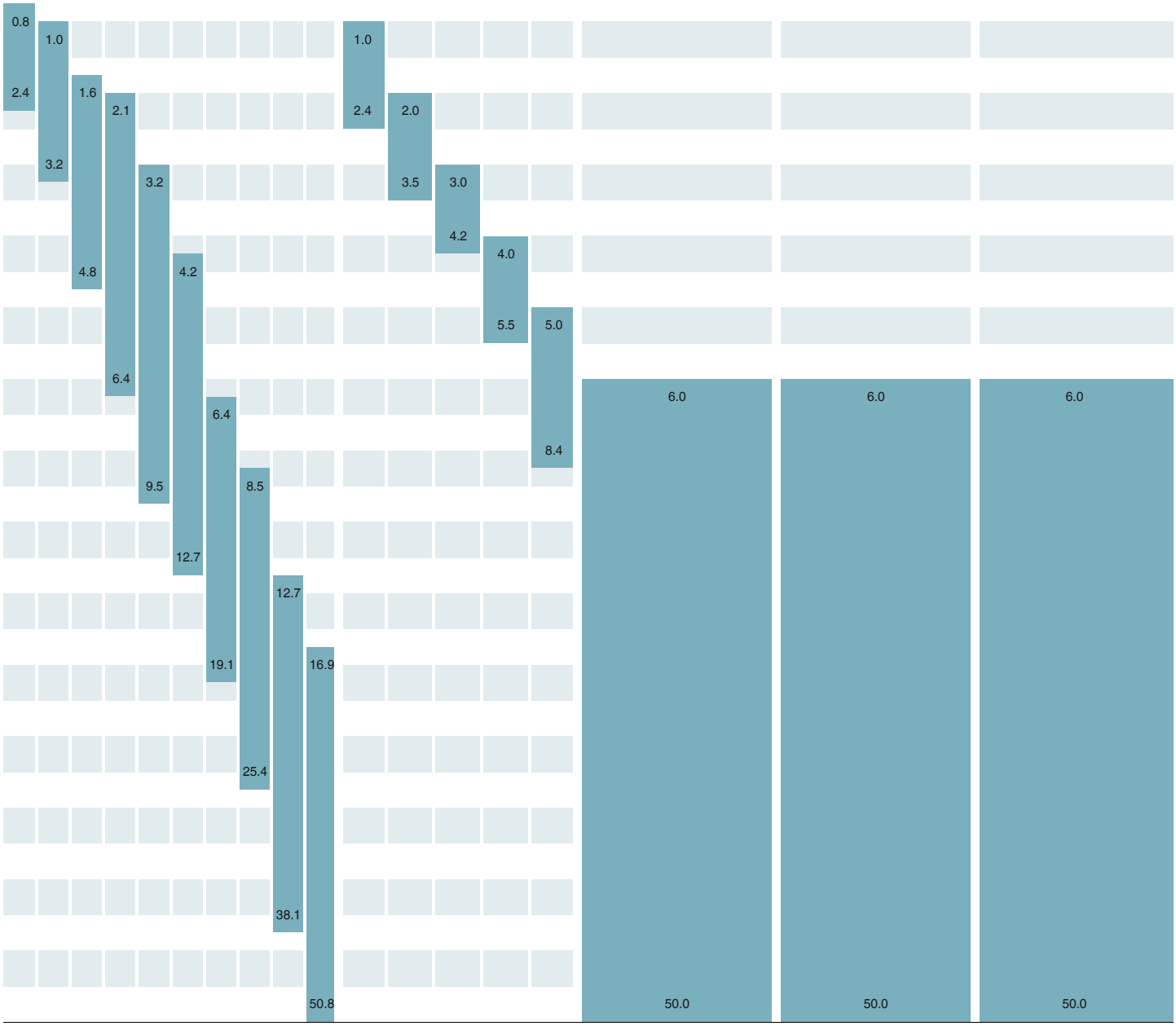

Conductor / cable diameter [mm]	Cable marker label, with integrated RFID transponder	Cable marker label					Cable marking flags		Shrink sleeve (shrink ratio: 2:1)									
	Page 225	Page 226					Page 227		Page 228									
	WML-RFID/HF14(25x19)R	WML HF 3 (13X10)R	WML HF 5 (25X10)R	WML HF 7,5 (25X13)R	WML HF 14 (25X19)R	WML HF 22 (35X25)R	WML HF 36 (25X38)R	WML-FLAG 6 ...	WML-FLAGV 6 ...	WMS-2 HF 2,4...	WMS-2 HF 3,2...	WMS-2 HF 4,8...	WMS-2 HF 6,4...	WMS-2 HF 9,5...	WMS-2 HF 12,7...	WMS-2 HF 19,1...	WMS-2 HF 25,4...	WMS-2 HF 38,1...	WMS-2 HF 50,8...
0.5								0.5	0.5	1.2									
1.0										2.4	1.6								
1.5												2.4							
2.0											3.2		3.2						
2.5														4.8					
3.0		3.0	3.0												4.8				
3.5																6.4			
4.0																	9.5		
4.5				4.0															
5.0			5.0																
5.5																			
6.0								6.0	6.0										
7.0	6.0				6.0										12.7				
8.0				7.5		8.0													
9.0																19.1			
10.0																			
12.0																	25.4		
14.0	14.0				14.0		12.0												
16.0						22.0												38.1	
18.0																			
20.0																			50.8
22.0																			
24.0																			
26.0																			
28.0																			
30.0																			
35.0							36.0												
40.0																			
45.0																			
50.0																			







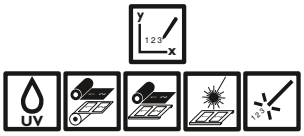
Shrink sleeve (shrink ratio: 3:1)	Cable markers for threading on	Cable markers for fastening with cable binders	Cable markers for fastening with cable binders	Cable markers for fastening with cable binders in connection with EML...
Page 232	Page 238	Page 239	Page 240	Page 241

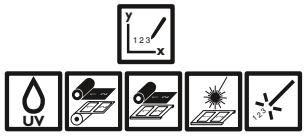


Overview of wire and cable marking

Markers for marking with various marking technologies







Conductor / cable diameter [mm]	Cable marker carriers for fastening with cable binders in connection with US-EMP .../ ESL .../ EMT ...						Cable marker carriers for fastening with cable binders in connection with UCT-EMP .../ ESL .../ EMT ...				Cable marker carriers for fastening with cable binders in connection with US-EMP .../ UCT-EMP .../ ESL .../ EMT ...			
	Page 242						Page 246				Page 248			
	KMK	KMK 1	KMK 2	KMK 3	KMK 4	KMK 5	KMK HP (25X6)	KMK HP (29X8)	KMK HP (40X17)	KMK HP (60X15)	KMK UV (25X6)	KMK UV (29X8)	KMK UV (40X17)	KMK UV (60X15)
0.5														
1.0		0.5	0.5		0.5	0.5								
1.5														
2.0														
2.5														
3.0														
3.5														
4.0														
4.5														
5.0														
5.5														
6.0														
7.0							6.0	6.0			6.0	6.0		
8.0														
9.0														
10.0	10.0								9.0	9.0			9.0	9.0
12.0														
14.0														
16.0														
18.0				16.0										
20.0														
22.0														
24.0														
26.0	25.0													
28.0														
30.0														
35.0				35.0										
40.0														
45.0														
50.0		50.0	50.0		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0



Cable marker carriers for clipping on in connection with SS-ZB... UC-EM .../ UCT-EM ...

Page 250



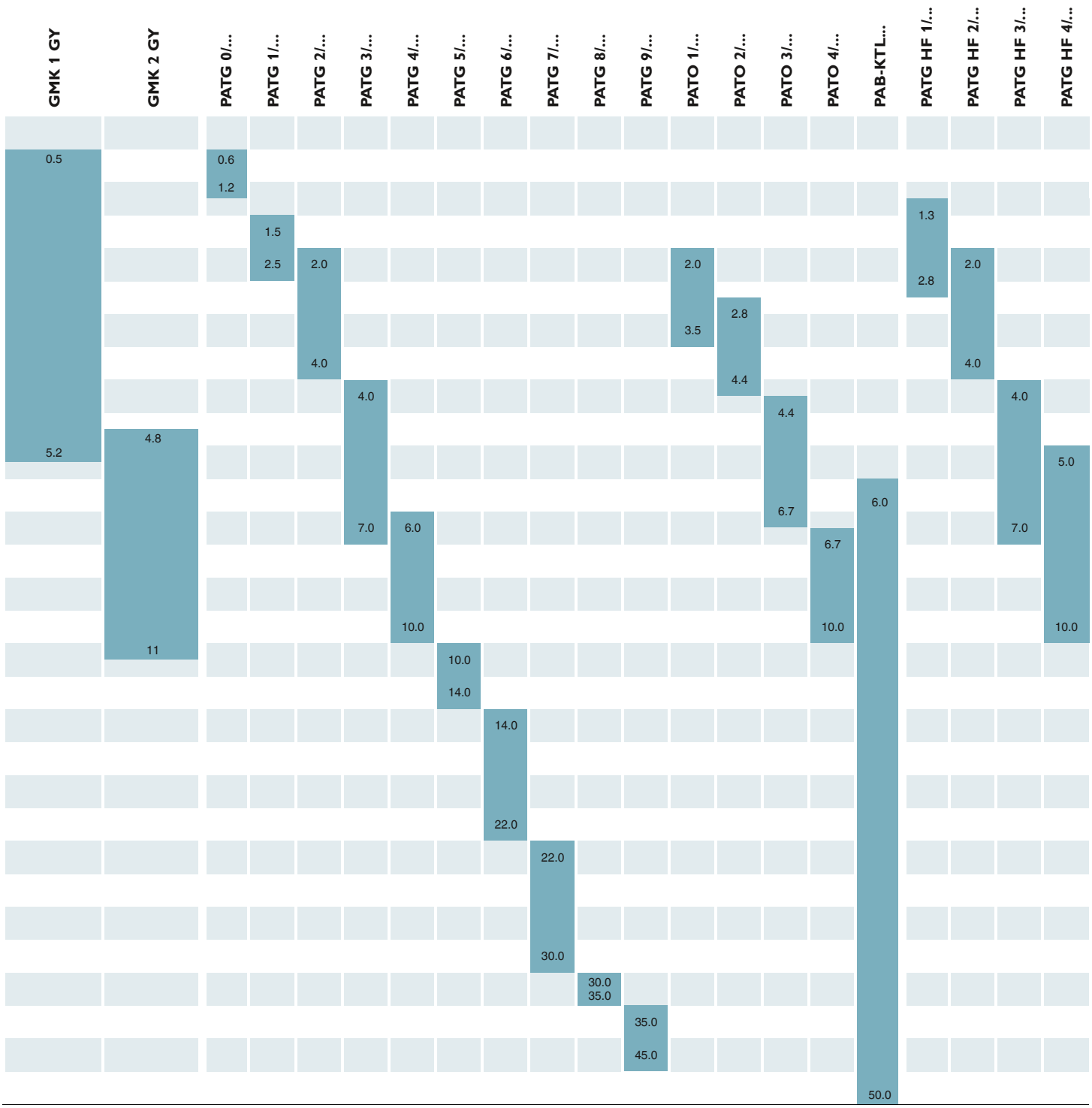
Marking collar for sliding on, in connection with UC-WMT ... UCT-WMT .../ US-WMT ..../ EMT .../ PABA ...

Page 256



Marking collar for sliding on, in connection with UC-WMT .../ UCT-WMT ...

Page 258



Stainless steel and aluminum cable marking for assembly with cable binders



– The LS-WMTB … product range is available in stainless steel (V4A) or aluminum. The range provides markers for quick and easy fixing with cable binders
– LS-WMTB-V4A... marker excels, in particular due to the high resistance against salt water, chloride, and solvents. They are thereby suitable for the most demanding industrial requirements



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



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

Can be marked using:



Direct laser marking

General data
Can be marked using
Material
Wipe resistance
Components

Description
Stainless steel label, for assembly with cable binders, conductor diameter
36-section, > 2.9 mm Ø
16-section, > 4.6 mm Ø
16-section, > 4.6 mm Ø
8-section, > 4.6 mm Ø
Aluminum label, for assembly with cable binders, conductor diameter
36-section, > 2.9 mm Ø
16-section, > 4.6 mm Ø
16-section, > 4.6 mm Ø
8-section, > 4.6 mm Ø

Sheet hopper, for TOPMARK LASER

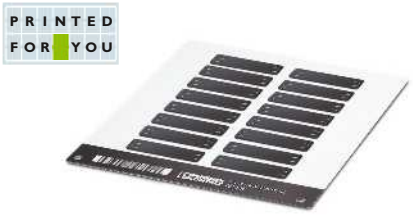
Notes:
For corresponding stainless steel cable binders, see page 664.



Stainless steel, material thickness: 0.5 mm



Aluminum, material thickness: 0.8 mm



Aluminum, black, material thickness: 0.8 mm

Technical data

TOPMARK LASER
V4A
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-WMTB-V4A (29X8)	0831516	5
LS-WMTB-V4A (40X15)	0831517	5
LS-WMTB-V4A (60X15)	0831518	5
LS-WMTB-V4A (100X15)	0831519	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-WMTB-AL (29X8)	0831500	5
LS-WMTB-AL (40X15)	0831501	5
LS-WMTB-AL (60X15)	0831502	5
LS-WMTB-AL (100X15)	0831503	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-WMTB-AL (29X8) BK	0831508	5
LS-WMTB-AL (40X15) BK	0831509	5
LS-WMTB-AL (60X15) BK	0831510	5
LS-WMTB-AL (100X15) BK	0831511	5

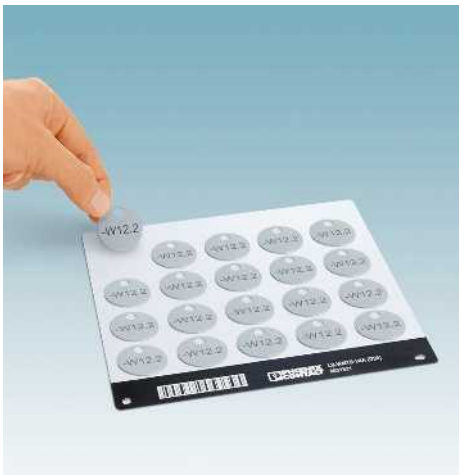
Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Stainless steel and aluminum cable marking for assembly with cable binders



– The LS-WMTB … product range in circular format is available in stainless steel (V4A) or aluminum. LS-WMTB ... provides markers for quick and easy fixing with cable binders
– The LS-WMTB-V4A ... group excels, in particular due to the high resistance against salt water, chloride, and solvents. It is thereby suitable for the most demanding industrial requirements.



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



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

Can be marked using:



Direct laser marking

General data
Can be marked using
Material
Wipe resistance
Components

Description
Stainless steel label, round, for assembly with cable binders
30-section, diameter: 25 mm
20-section, diameter: 30 mm
Aluminum label, round, for assembly with cable binders
30-section, diameter: 25 mm
20-section, diameter: 30 mm

Description
Sheet hopper, for TOPMARK LASER

Notes:

For corresponding stainless steel cable binders, see page 664.



Stainless steel, material thickness: 0.5 mm



Aluminum, material thickness: 0.8 mm



Aluminum, black, material thickness: 0.8 mm

Technical data

TOPMARK LASER
V4A
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-WMTB-V4A (D25)	0831520	5
LS-WMTB-V4A (D30)	0831521	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-WMTB-AL (D25)	0831504	5
LS-WMTB-AL (D30)	0831505	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-WMTB-AL (D25) BK	0831512	5
LS-WMTB-AL (D30) BK	0831513	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Aluminum cable marking for assembly with cable binders



UV LED technology



Aluminum, material thickness: 0.8 mm

The WMTBA... product range is available in aluminum (AL) and is characterized by:
– Two-sided marking option
– High-quality appearance
– Easy assembly with cable binders
– Suitable for large-surface marking of conductors and cables > 2.9 mm in diameter

Notes:
For corresponding stainless steel cable binders, see page 664.

Technical data

General data	
Can be marked using	BLUEMARK CLED
Material	Aluminum
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Aluminum label, 0.8 mm thick, conductor diameter [mm]				
Lettering field size: 29 x 8 mm, > 2.9 mm Ø	aluminum color	**WMTB-AL (29X8)**	0830805	90
Lettering field size: 40 x 15 mm, > 4.6 mm Ø	aluminum color	**WMTB-AL (40X15)**	0830524	45
Lettering field size: 60 x 15 mm, > 4.6	aluminum color	**WMTB-AL (60X15)**	0830525	45
Aluminum label, round, 0.8 mm thick Diameter: 30 mm	aluminum color			

Accessories

Magazine, for BLUEMARK printer, for accommodating aluminum labels			
for WMTB-AL (29X8)	**BLUEMARK MAG WM-M (29X8)**	0802743	1
for WMTB-AL (40X15)	**BLUEMARK MAG WM-M (40X15)**	0802744	1
for WMTB-AL (60X15)	**BLUEMARK MAG WM-M (60X15)**	0802746	1
Magazine, for BLUEMARK printer, for accommodating stainless steel and aluminum labels for WMTB-AL (D30) ...			



Aluminum, material thickness: 0.8 mm

Technical data

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

Ordering data

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

Accessories

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

Clip-on UniCard wire marking



Can be marked using:

UV LED technology

Plotter



Markers for conductor diameters from 1.2 to 1.9 mm

- The UC-WMC ... UniCard marking range includes markers for captive marking of control cables right through to light plastic-sheathed cables with large diameters
- The BLUEMARK marks the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Can be clipped on even after wiring has been completed
- Two marking areas that can be easily read at anytime
- The markers support multiline marking
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

For more variants, see phoenixcontact.net/products.

Technical data

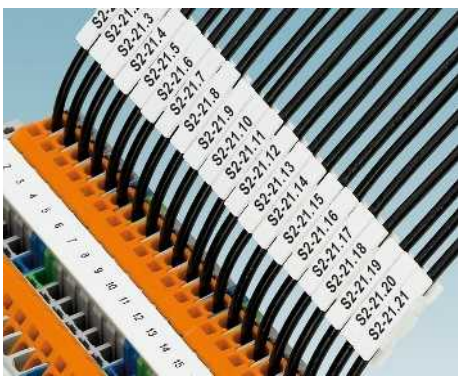
General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen
Conductor diameter range	[mm]	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 marking of conductors, lettering field size 15 x 4 mm, 20-section, 4 individual labels per strip				
	white	**UC-WMC 1,9 (15X4)**	0828004	10
	red	**UC-WMC 1,9 (15X4) RD**	0828006	10
	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 marking of conductors, lettering field size 30 x 4 mm, 12-section, 4 individual labels per strip				
	white	**UC-WMC 1,9 (30X4)**	0830283	10

Accessories

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



Clip-on UniCard wire marking



Markers for conductor diameters from 1.9 to 3.1 mm

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen
Conductor diameter range	[mm]	1.9 ... 3.1
Conductor cross section range	[mm²]	0.5 ... 1.5
Conductor cross section range	AWG	20 ... 16

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size 15 x 4 mm, 20-section, 4 individual labels per strip				
	white	**UC-WMC 3,1 (15X4)**	0818205	10
	red	**UC-WMC 3,1 (15X4) RD**	0818755	10
	orange	**UC-WMC 3,1 (15X4) OG**	0818726	10
	yellow	**UC-WMC 3,1 (15X4) YE**	0818739	10
	violet	**UC-WMC 3,1 (15X4) VT**	0825370	10
	blue	**UC-WMC 3,1 (15X4) BU**	0818742	10
UniCard, for subsequent marking of conductors, lettering field size 23 x 4 mm, 12-section, 4 individual labels per strip				
	white	**UC-WMC 3,1 (23X4)**	0818218	10
	red	**UC-WMC 3,1 (23X4) RD**	0818807	10
	orange	**UC-WMC 3,1 (23X4) OG**	0818771	10
	yellow	**UC-WMC 3,1 (23X4) YE**	0818784	10
	violet	**UC-WMC 3,1 (23X4) VT**	0825371	10
	blue	**UC-WMC 3,1 (23X4) BU**	0818797	10
UniCard, for subsequent marking of conductors, lettering field size 30 x 4 mm, 12-section, 4 individual labels per strip				
	white	**UC-WMC 3,1 (30X4)**	0819631	10
	red	**UC-WMC 3,1 (30X4) RD**	0820769	10
	orange	**UC-WMC 3,1 (30X4) OG**	0823863	10
	yellow	**UC-WMC 3,1 (30X4) YE**	0819644	10
	violet	**UC-WMC 3,1 (30X4) VT**	0825372	10
	blue	**UC-WMC 3,1 (30X4) BU**	0820756	10

Accessories

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

Clip-on UniCard wire marking

Can be marked using:



UV LED technology

Plotter



Markers for conductor diameters from 2.8 to 4.4 mm

- The UC-WMC ... UniCard marking range includes markers for captive marking of control cables right through to light plastic-sheathed cables with large diameters
- The BLUEMARK marks the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Can be clipped on even after wiring has been completed
- Two marking areas that can be easily read at anytime
- The markers support multiline marking
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements



Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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 marking of conductors, lettering field size 15 x 5.5 mm, 15-section, 3 individual labels per strip				
	white	**UC-WMC 4,4 (15X5,5)**	0818182	8
	red	**UC-WMC 4,4 (15X5,5) RD**	0818852	8
	orange	**UC-WMC 4,4 (15X5,5) OG**	0818823	8
	yellow	**UC-WMC 4,4 (15X5,5) YE**	0818836	8
	violet	**UC-WMC 4,4 (15X5,5) VT**	0825373	8
	blue	**UC-WMC 4,4 (15X5,5) BU**	0818849	8
	green	**UC-WMC 4,4 (15X5,5) GN**	0818865	8
UniCard, for subsequent marking of conductors, lettering field size 23 x 5.5 mm, 9-section, 3 individual labels per strip				
	white	**UC-WMC 4,4 (23X5,5)**	0818195	8
	red	**UC-WMC 4,4 (23X5,5) RD**	0818904	8
	orange	**UC-WMC 4,4 (23X5,5) OG**	0818878	8
	yellow	**UC-WMC 4,4 (23X5,5) YE**	0818881	8
	violet	**UC-WMC 4,4 (23X5,5) VT**	0825374	8
	blue	**UC-WMC 4,4 (23X5,5) BU**	0818894	8
	green	**UC-WMC 4,4 (23X5,5) GN**	0818917	8
UniCard, for subsequent marking of conductors, lettering field size 30 x 5.5 mm, 9-section, 3 individual labels per strip				
	white	**UC-WMC 4,4 (30X5,5)**	0819657	10
	red	**UC-WMC 4,4 (30X5,5) RD**	0820882	10
	orange	**UC-WMC 4,4 (30X5,5) OG**	0823944	10
	yellow	**UC-WMC 4,4 (30X5,5) YE**	0819660	10
	violet	**UC-WMC 4,4 (30X5,5) VT**	0825375	10
	blue	**UC-WMC 4,4 (30X5,5) BU**	0820879	10
	green	**UC-WMC 4,4 (30X5,5) GN**	0823957	10

Accessories

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

Clip-on UniCard wire marking



Markers for conductor diameters from 4.2 to 5.6 mm



Markers for conductor diameters from 5 to 7.5 mm

		Technical data	Technical data
General data			
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA	PA
Flammability rating according to UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen	free from silicone and halogen
Conductor diameter range	[mm]	4.2 ... 5.6	5 ... 7.5
Conductor cross section range	[mm²]	4 ... 10	6 ... 16
Conductor cross section range	AWG	12 ... 10	10 ... 6

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size 23 x 8 mm, 6-section, 2 individual labels per strip							
	white	**UC-WMC 5,6 (23X8)**	0825382	5	**UC-WMC 7,5 (23X8)**	0818179	5
	red	**UC-WMC 5,6 (23X8) RD**	0825387	5	**UC-WMC 7,5 (23X8) RD**	0819039	5
	orange	**UC-WMC 5,6 (23X8) OG**	0825385	5	**UC-WMC 7,5 (23X8) OG**	0818920	5
	yellow	**UC-WMC 5,6 (23X8) YE**	0825386	5	**UC-WMC 7,5 (23X8) YE**	0818933	5
	violet	**UC-WMC 5,6 (23X8) VT**	0825388	5	**UC-WMC 7,5 (23X8) VT**	0825376	5
	blue	**UC-WMC 5,6 (23X8) BU**	0825383	5	**UC-WMC 7,5 (23X8) BU**	0818946	5
	green	**UC-WMC 5,6 (23X8) GN**	0825384	5	**UC-WMC 7,5 (23X8) GN**	0818959	5
UniCard, for subsequent marking of conductors, lettering field size 30 x 8 mm, 6-section, 2 individual labels per strip							
	white	**UC-WMC 5,6 (30X8)**	0825396	5	**UC-WMC 7,5 (30X8)**	0819673	5
	red	**UC-WMC 5,6 (30X8) RD**	0825401	5	**UC-WMC 7,5 (30X8) RD**	0820963	5
	orange	**UC-WMC 5,6 (30X8) OG**	0825399	5	**UC-WMC 7,5 (30X8) OG**	0823724	5
	yellow	**UC-WMC 5,6 (30X8) YE**	0825400	5	**UC-WMC 7,5 (30X8) YE**	0819686	5
	violet	**UC-WMC 5,6 (30X8) VT**	0825402	5	**UC-WMC 7,5 (30X8) VT**	0825377	5
	blue	**UC-WMC 5,6 (30X8) BU**	0825397	5	**UC-WMC 7,5 (30X8) BU**	0820950	5
	green	**UC-WMC 5,6 (30X8) GN**	0825398	5	**UC-WMC 7,5 (30X8) GN**	0823708	5

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

Slide-on UniCard wire marking

- The UCT-WMCO ... UniCard marking range includes markers for the subsequent marking of conductors by threading on. The markers are easily slid on with the help of the UC-WMCO ... TOOL
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Large-surface marking in a space-saving design



Markers for conductor diameters from 1.3 to 1.6 mm



Markers for conductor diameters from 1.6 to 2.1 mm

		Technical data	Technical data
General data			
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA	PA
Flammability rating according to UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Components		free from silicone and halogen	free from silicone and halogen
Conductor diameter range	[mm]	1.3 ... 1.6	1.6 ... 2.1
Conductor cross section range	[mm²]	0.25 ... 0.5	0.5 ... 0.75

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size 12 x 3 mm, 40-section, 10 individual labels per strip							
	white	UC-WMCO 1,6 (12X3)	0827092	10	UC-WMCO 2,1 (12X3)	0827120	10
	red	UC-WMCO 1,6 (12X3) RD	0827516	10	UC-WMCO 2,1 (12X3) RD	0827540	10
	orange	UC-WMCO 1,6 (12X3) OG	0827517	10	UC-WMCO 2,1 (12X3) OG	0827541	10
	yellow	UC-WMCO 1,6 (12X3) YE	0827513	10	UC-WMCO 2,1 (12X3) YE	0827537	10
	violet	UC-WMCO 1,6 (12X3) VT	0827518	10	UC-WMCO 2,1 (12X3) VT	0827542	10
	blue	UC-WMCO 1,6 (12X3) BU	0827514	10	UC-WMCO 2,1 (12X3) BU	0827538	10
	green	UC-WMCO 1,6 (12X3) GN	0827515	10	UC-WMCO 2,1 (12X3) GN	0827539	10
UniCard, for subsequent marking of conductors, lettering field size 21 x 3 mm, 40-section, 10 individual labels per strip							
	white	UC-WMCO 1,6 (21X3)	0827106	10	UC-WMCO 2,1 (21X3)	0827134	10
	red	UC-WMCO 1,6 (21X3) RD	0827528	10	UC-WMCO 2,1 (21X3) RD	0827552	10
	orange	UC-WMCO 1,6 (21X3) OG	0827529	10	UC-WMCO 2,1 (21X3) OG	0827553	10
	yellow	UC-WMCO 1,6 (21X3) YE	0827525	10	UC-WMCO 2,1 (21X3) YE	0827549	10
	violet	UC-WMCO 1,6 (21X3) VT	0827530	10	UC-WMCO 2,1 (21X3) VT	0827554	10
	blue	UC-WMCO 1,6 (21X3) BU	0827526	10	UC-WMCO 2,1 (21X3) BU	0807550	10
	green	UC-WMCO 1,6 (21X3) GN	0827527	10	UC-WMCO 2,1 (21X3) GN	0827551	10

		Accessories			Accessories		
Magazine, for CMS-P1-PLOTTER and PLOTMARK		P1 UC-MAG 7	5146568	1	P1 UC-MAG 7	5146568	1
Assembly tool, for easily sliding on UC–WMCO 1,6 and UC–WMCO 2,1 conductor markers		UC-WMCO 2,1 TOOL	0827803	10	UC-WMCO 2,1 TOOL	0827803	10
Assembly tool set, for easily sliding on UC–WMCO 1,6 ... and UC–WMCO 4,9 ... conductor markers		UC-WMCO TOOL SET	0827807	1	UC-WMCO TOOL SET	0827807	1

Slide-on UniCard wire marking



Markers for conductor diameters from 2.1 to 2.9 mm



Markers for conductor diameters from 2.9 to 3.6 mm

		Technical data	Technical data
General data			
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA	PA
Flammability rating according to UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Components		free from silicone and halogen	free from silicone and halogen
Conductor diameter range	[mm]	2.1 ... 2.9	2.9 ... 3.6
Conductor cross section range	[mm²]	0.75 ... 1.5	1.5 ... 2.5

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size 12 x 3.5 mm, 40-section, 10 individual labels per strip							
	white	**UC-WMCO 2,9 (12X3,5)**	0827148	10			
	red	**UC-WMCO 2,9 (12X3,5) RD**	0827564	10			
	orange	**UC-WMCO 2,9 (12X3,5) OG**	0827565	10			
	yellow	**UC-WMCO 2,9 (12X3,5) YE**	0827561	10			
	violet	**UC-WMCO 2,9 (12X3,5) VT**	0827566	10			
	blue	**UC-WMCO 2,9 (12X3,5) BU**	0827562	10			
	green	**UC-WMCO 2,9 (12X3,5) GN**	0827563	10			
UniCard, for subsequent marking of conductors, lettering field size 21 x 3.5 mm, 40-section, 10 individual labels per strip							
	white	**UC-WMCO 2,9 (21X3,5)**	0827162	10			
	red	**UC-WMCO 2,9 (21X3,5) RD**	0827576	10			
	orange	**UC-WMCO 2,9 (21X3,5) OG**	0827577	10			
	yellow	**UC-WMCO 2,9 (21X3,5) YE**	0827573	10			
	violet	**UC-WMCO 2,9 (21X3,5) VT**	0827578	10			
	blue	**UC-WMCO 2,9 (21X3,5) BU**	0827574	10			
	green	**UC-WMCO 2,9 (21X3,5) GN**	0827575	10			
UniCard, for subsequent marking of conductors, lettering field size 12 x 4.5 mm, 32-section, 8 individual labels per strip							
	white				**UC-WMCO 3,6 (12X4,5)**	0827176	10
	red				**UC-WMCO 3,6 (12X4,5) RD**	0827588	10
	orange				**UC-WMCO 3,6 (12X4,5) OG**	0827589	10
	yellow				**UC-WMCO 3,6 (12X4,5) YE**	0827585	10
	violet				**UC-WMCO 3,6 (12X4,5) VT**	0827590	10
	blue				**UC-WMCO 3,6 (12X4,5) BU**	0827586	10
	green				**UC-WMCO 3,6 (12X4,5) GN**	0827587	10
UniCard, for subsequent marking of conductors, lettering field size 21 x 4.5 mm, 32-section, 8 individual labels per strip							
	white				**UC-WMCO 3,6 (21X4,5)**	0827190	10
	red				**UC-WMCO 3,6 (21X4,5) RD**	0827600	10
	orange				**UC-WMCO 3,6 (21X4,5) OG**	0827601	10
	yellow				**UC-WMCO 3,6 (21X4,5) YE**	0827597	10
	violet				**UC-WMCO 3,6 (21X4,5) VT**	0827602	10
	blue				**UC-WMCO 3,6 (21X4,5) BU**	0827598	10
	green				**UC-WMCO 3,6 (21X4,5) GN**	0827599	10

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

Wire and cable marking

Slide-on UniCard wire marking

- The UCT-WMCO ... UniCard marking range includes markers for the subsequent marking of conductors by threading on. The markers are easily slid on with the help of the UC-WMCO ... TOOL
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements
- The BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, and PLOTMARK easily and quickly mark the markers in uniform sheets



Markers for conductor diameters from 3.6 to 4.9 mm



Markers for conductor diameters from 3.6 to 4.9 mm

Technical data

General data			
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA	PA
Flammability rating 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

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size 12 x 5 mm, 24-section, 6 individual labels per strip				
	white	**UC-WMCO 4,9 (12X5)**	0827733	5
	red	**UC-WMCO 4,9 (12X5) RD**	0827737	5
	orange	**UC-WMCO 4,9 (12X5) OG**	0827738	5
	yellow	**UC-WMCO 4,9 (12X5) YE**	0827734	5
	violet	**UC-WMCO 4,9 (12X5) VT**	0827739	5
	blue	**UC-WMCO 4,9 (12X5) BU**	0827735	5
	green	**UC-WMCO 4,9 (12X5) GN**	0827736	5
UniCard, for subsequent marking of conductors, lettering field size 21 x 5 mm, 24-section, 6 individual labels per strip				
	white	**UC-WMCO 4,9 (21X5)**	0827747	5
	red	**UC-WMCO 4,9 (21X5) RD**	0827751	5
	orange	**UC-WMCO 4,9 (21X5) OG**	0827752	5
	yellow	**UC-WMCO 4,9 (21X5) YE**	0827748	5
	violet	**UC-WMCO 4,9 (21X5) VT**	0827753	5
	blue	**UC-WMCO 4,9 (21X5) BU**	0827749	5
	green	**UC-WMCO 4,9 (21X5) GN**	0827750	5

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK	**P1 UC-MAG 7**	5146568	1
Assembly tool, for easily sliding on UC–WMCO 4,9 ... conductor markers	**UC-WMCO 5,8 TOOL**	0827805	10
Assembly tool set, for easily sliding on UC–WMCO 1,6 ... and UC–WMCO 4,9 ... conductor markers	**UC-WMCO TOOL SET**	0827807	1

Technical data

General data			
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA	PA
Flammability rating 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

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for subsequent marking of conductors, lettering field size 12 x 5 mm, 24-section, 6 individual labels per strip				
	white	**UC-WMCO 4,9 (12X5)**	0827733	5
	red	**UC-WMCO 4,9 (12X5) RD**	0827737	5
	orange	**UC-WMCO 4,9 (12X5) OG**	0827738	5
	yellow	**UC-WMCO 4,9 (12X5) YE**	0827734	5
	violet	**UC-WMCO 4,9 (12X5) VT**	0827739	5
	blue	**UC-WMCO 4,9 (12X5) BU**	0827735	5
	green	**UC-WMCO 4,9 (12X5) GN**	0827736	5
UniCard, for subsequent marking of conductors, lettering field size 21 x 5 mm, 24-section, 6 individual labels per strip				
	white	**UC-WMCO 4,9 (21X5)**	0827747	5
	red	**UC-WMCO 4,9 (21X5) RD**	0827751	5
	orange	**UC-WMCO 4,9 (21X5) OG**	0827752	5
	yellow	**UC-WMCO 4,9 (21X5) YE**	0827748	5
	violet	**UC-WMCO 4,9 (21X5) VT**	0827753	5
	blue	**UC-WMCO 4,9 (21X5) BU**	0827749	5
	green	**UC-WMCO 4,9 (21X5) GN**	0827750	5

Accessories

Magazine, for CMS-P1-PLOTTER and PLOTMARK	**P1 UC-MAG 7**	5146568	1
Assembly tool, for easily sliding on UC–WMCO 4,9 ... conductor markers	**UC-WMCO 5,8 TOOL**	0827805	10
Assembly tool set, for easily sliding on UC–WMCO 1,6 ... and UC–WMCO 4,9 ... conductor markers	**UC-WMCO TOOL SET**	0827807	1

Wire marking with ferrules that can be marked



- Ferrules can be marked with BLUEMARK
- Crimping and marking in one step
- Highly resistant and optimum printing quality thanks to modern UV printing technology
- Ferrules made from electrolytic copper
- Electrogalvanized
- Corresponding crimping pliers can be found on page 423.

Can be marked using:

UV

UV LED technology



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

EAC

Technical data

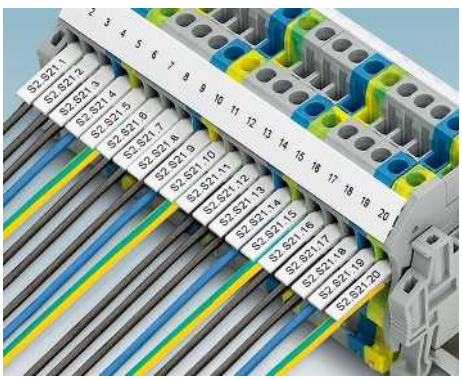
General data	
Can be marked using	BLUEMARK CLED • BLUEMARK LED
Material / coating	E-CU / tin-plated (galvanic)
Temperature range [°C]	-40 ... 120
Components	free from silicone and halogen

Ordering data

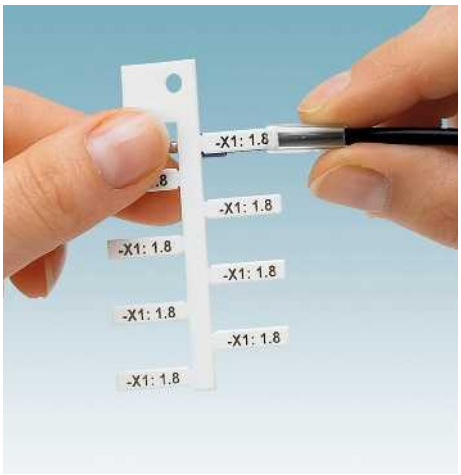
Description	Color	Type	Order No.	Pcs./Pkt.
Ferrules, with plastic sleeve that can be marked, color range according to **DIN 46228-4: 1990-09**				
20 pcs., 0.5 mm² cross section	white	**AI-WM 0,5-8 WH**	3240542	780
20 pcs., 0.75 mm² cross section	gray	**AI-WM 0,75-8 GY**	3240543	780
20 pcs., 1.0 mm² 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 marked			
For 0.5 – 1.5 mm²	**BLUEMARK MAG AI-WM**	5146567	1
For 2.5 mm²	**BLUEMARK MAG AI-WM 2,5**	5146640	1



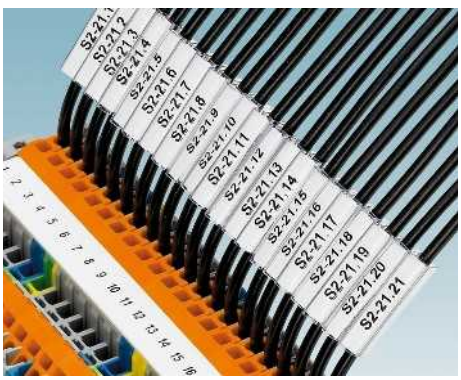
UniCard wire marking for marking collars



– The UC−WMT ... UniCard marking range includes markers for wire marking with marking collars from the PATG/PATO ... system; see page 256.
– The BLUEMARK marks the markers, which are supplied in uniform sheets, quickly and easily
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– Marked insert strips are simply inserted into the collars. This protects the marking against contamination
– The insert labels are aligned in such a way on the UniCard materials that they can be separated branch-wise. This makes mounting easier
– The sheets provide space for including function texts
– Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

PATG/PATO ... system, see page 256.



Can be marked using:

UV LED technology

Plotter



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

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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, for lettering field size 10 x 4 mm, 48-section, 8 individual labels per strip				
	white	**UC-WMT (10X4)**	0819372	10
	red	**UC-WMT (10X4) RD**	0821001	10
	orange	**UC-WMT (10X4) OG**	0823986	10
	yellow	**UC-WMT (10X4) YE**	0819385	10
	violet	**UC-WMT (10X4) VT**	0825360	10
	blue	**UC-WMT (10X4) BU**	0820992	10
	green	**UC-WMT (10X4) GN**	0823999	10
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 12 x 4 mm, 32-section, 8 individual labels per strip				
	white	**UC-WMT (12X4)**	0823517	10
	red	**UC-WMT (12X4) RD**	0823614	10
	orange	**UC-WMT (12X4) OG**	0823588	10
	yellow	**UC-WMT (12X4) YE**	0823591	10
	violet	**UC-WMT (12X4) VT**	0825378	10
	blue	**UC-WMT (12X4) BU**	0823575	10
	green	**UC-WMT (12X4) GN**	0823601	10
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 15 x 4 mm, 32-section, 8 individual labels per strip				
	white	**UC-WMT (15X4)**	0819398	10
	red	**UC-WMT (15X4) RD**	0821043	10
	orange	**UC-WMT (15X4) OG**	0824037	10
	yellow	**UC-WMT (15X4) YE**	0819408	10
	violet	**UC-WMT (15X4) VT**	0825361	10
	blue	**UC-WMT (15X4) BU**	0821030	10
	green	**UC-WMT (15X4) GN**	0824040	10
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 18 x 4 mm, 24-section, 8 individual labels per strip				
	white	**UC-WMT (18X4)**	0820293	10
	red	**UC-WMT (18X4) RD**	0821085	10
	orange	**UC-WMT (18X4) OG**	0824079	10
	yellow	**UC-WMT (18X4) YE**	0820303	10
	violet	**UC-WMT (18X4) VT**	0825362	10
	blue	**UC-WMT (18X4) BU**	0821072	10
	green	**UC-WMT (18X4) GN**	0824082	10

Accessories

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

UniCard wire marking for marking collars



Marker with lettering field size 23 x 4 mm



Marker with lettering field size 30 x 4 mm

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Components		free from silicone and halogen

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, with insert strips for PATG and PATO marking collars, for lettering field size 23 x 4 mm, 24-section, 8 individual labels strip				
	white	**UC-WMT (23X4)**	0819411	10
	red	**UC-WMT (23X4) RD**	0821124	10
	orange	**UC-WMT (23X4) OG**	0824118	10
	yellow	**UC-WMT (23X4) YE**	0819424	10
	violet	**UC-WMT (23X4) VT**	0825363	10
	blue	**UC-WMT (23X4) BU**	0821111	10
	green	**UC-WMT (23X4) GN**	0824121	10
	silver	**UC-WMT (23X4) SR**	0802719	10
UniCard sheet, with insert strips for PATG and PATO marking collars, for lettering field size 30 x 4 mm, 16-section, 8 individual labels Strip				
	white			
	red			
	orange			
	yellow			
	violet			
	blue			
	green			

Ordering data

Type	Order No.	Pcs./Pkt.
UC-WMT (30X4)	0819437	10
UC-WMT (30X4) RD	0821166	10
UC-WMT (30X4) OG	0824150	10
UC-WMT (30X4) YE	0819440	10
UC-WMT (30X4) VT	0825364	10
UC-WMT (30X4) BU	0821153	10
UC-WMT (30X4) GN	0824163	10

Accessories

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

Accessories

P1 UC-MAG 4	5146105	1

UniCard cable marking for assembly with cable binders



Can be marked using:

UV LED technology

Plotter



Markers for cable diameters > 7 mm

- The UCT-WMTB ... and UC-WMTBA ... UniCard marking ranges provide markers for fixing with commercial cable binders
- The BLUEMARK marks the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- For large-surface marking of conductors and cables > 7 mm in diameter
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

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

For corresponding cable binders, see from page 658.

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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 mounting with two cable binders, lettering field size: 44 x 15 mm, 4-section, 1 individual label per strip				
	white	**UC-WMTB (44X15)**	0828376	10
	red	**UC-WMTB (44X15) RD**	0828377	10
	orange	**UC-WMTB (44X15) OG**	0828378	10
	yellow	**UC-WMTB (44X15) YE**	0828379	10
	violet	**UC-WMTB (44X15) VT**	0828380	10
	blue	**UC-WMTB (44X15) BU**	0828381	10
	green	**UC-WMTB (44X15) GN**	0828382	10
	brown	**UC-WMTB (44X15) BN**	0828384	10
	silver	**UC-WMTB (44X15) SR**	0828383	10
UniCard, for mounting with one cable binder				
3-section, lettering field size: 52 x 30 mm	white	**UC-WMTB (52X30)**	5775288	10
2-section, lettering field size: 52 x 50 mm	white	**UC-WMTB (52X50)**	5775289	10

Accessories

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



UniCard cable marking for assembly with cable binders

Notes:

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

For corresponding cable binders, see from page 658.



Markers for cable diameters > 4 mm



Markers for cable diameters > 6 mm

Technical data

General data			
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA	PA
Flammability rating according to UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Components		free from silicone and halogen	free from silicone and halogen
Cable diameter range	[mm]	> 4	> 6

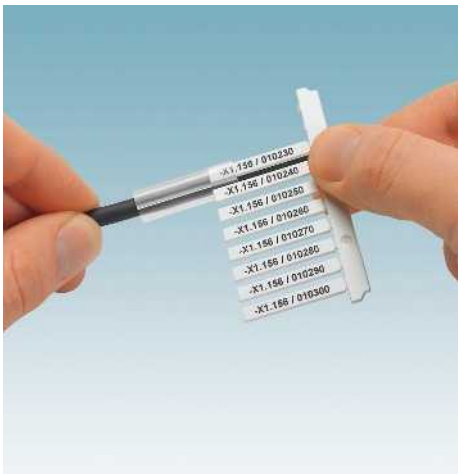
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
UniCard, for assembly with cable binders, lettering field size 24 x 5 mm, 12-section, 4 individual labels per strip							
	white	**UC-WMTBA (24X5)**	0820426	10			
	red	**UC-WMTBA (24X5) RD**	0820565	10			
	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			
	brown	**UC-WMTBA (24X5) BN**	0829476	10			
	silver	**UC-WMTBA (24X5) SR**	0801821	10			
UniCard, for assembly with cable binders, lettering field size 29 x 6 mm, 12-section, 4 individual labels per strip							
	white				**UC-WMTBA (29X8)**	0820183	10
	red				**UC-WMTBA (29X8) RD**	0820604	10
	orange				**UC-WMTBA (29X8) OG**	0825345	10
	yellow				**UC-WMTBA (29X8) YE**	0820390	10
	violet				**UC-WMTBA (29X8) VT**	0825347	10
	blue				**UC-WMTBA (29X8) BU**	0820594	10
	green				**UC-WMTBA (29X8) GN**	0825346	10
	brown				**UC-WMTBA (29X8) BN**	0829477	10
	silver				**UC-WMTBA (29X8) SR**	0802749	10
UniCard, for assembly with cable binders, lettering field size 60 x 11 mm, 4-section, 1 individual label per strip							
	white				**UC-WMTBA (60X11)**	0820468	10
	red				**UC-WMTBA (60X11) RD**	0820646	10
	orange				**UC-WMTBA (60X11) OG**	0825348	10
	yellow				**UC-WMTBA (60X11) YE**	0820471	10
	violet				**UC-WMTBA (60X11) VT**	0825350	10
	blue				**UC-WMTBA (60X11) BU**	0820633	10
	green				**UC-WMTBA (60X11) GN**	0825349	10

Accessories

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

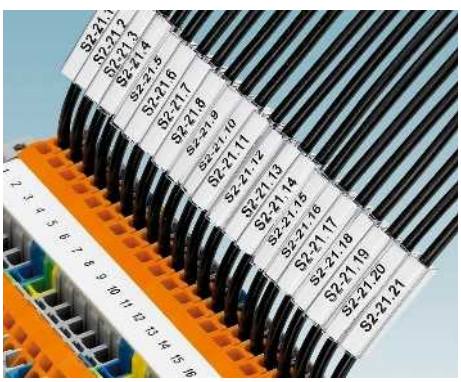
UniCard wire marking for marking collars



- The UCT−WMT ... UniCard marking range includes markers for wire marking with marking collars from the PATG/PATO ... system; see page 256.
- The BLUEMARK CLED, TOPMARK LASER, THERMOMARK PRIME, and the THERMOMARK CARD easily and quickly mark the markers in uniform sheets
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Marked insert strips are simply inserted into the collars. This protects the marking against contamination
- The insert labels are aligned in such a way on the UniCard materials that they can be separated branch-wise. This makes mounting easier
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

PATG/PATO ... system, see page 256.



Can be marked using:



Thermal transfer



UV LED technology



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



Direct laser marking

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC V0
Flammability rating according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 10 x 4 mm, 60-section				
	white	**UCT-WMT (10X4)**	0801430	10
	red	**UCT-WMT (10X4) RD**	0801433	10
	orange	**UCT-WMT (10X4) OG**	0801434	10
	yellow	**UCT-WMT (10X4) YE**	0801431	10
	violet	**UCT-WMT (10X4) VT**	0801436	10
	blue	**UCT-WMT (10X4) BU**	0801437	10
	green	**UCT-WMT (10X4) GN**	0801435	10
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 12 x 4 mm, 50-section				
	white	**UCT-WMT (12X4)**	0801438	10
	red	**UCT-WMT (12X4) RD**	0801440	10
	orange	**UCT-WMT (12X4) OG**	0801441	10
	yellow	**UCT-WMT (12X4) YE**	0801439	10
	violet	**UCT-WMT (12X4) VT**	0801443	10
	blue	**UCT-WMT (12X4) BU**	0801444	10
	green	**UCT-WMT (12X4) GN**	0801442	10
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 15 x 4 mm, 50-section				
	white	**UCT-WMT (15X4)**	0801446	10
	red	**UCT-WMT (15X4) RD**	0801448	10
	orange	**UCT-WMT (15X4) OG**	0801449	10
	yellow	**UCT-WMT (15X4) YE**	0801447	10
	violet	**UCT-WMT (15X4) VT**	0801451	10
	blue	**UCT-WMT (15X4) BU**	0801452	10
	green	**UCT-WMT (15X4) GN**	0801450	10
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 18 x 4 mm, 40-section				
	white	**UCT-WMT (18X4)**	0801462	10
	red	**UCT-WMT (18X4) RD**	0801464	10
	orange	**UCT-WMT (18X4) OG**	0801465	10
	yellow	**UCT-WMT (18X4) YE**	0801463	10
	violet	**UCT-WMT (18X4) VT**	0801467	10
	blue	**UCT-WMT (18X4) BU**	0801468	10
	green	**UCT-WMT (18X4) GN**	0801466	10

Accessories

Magazine, for THERMOMARK CARD, for accommodating UCT-WMT ... sheets, UCT-EM (17X10)		
THERMOMARK CARD-UCT-MAG7	0801734	1
Magazine for THERMOMARK PRIME For accommodating UCT-WMT…, UCT-EM (7 x 10)		
TMP-UCT-MAG7	0803349	1

UniCard wire marking for marking collars



Marker with lettering field size 23 x 4 mm/30 x 4 mm

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC V0
Flammability rating according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 23 x 4 mm				
	white	**UCT-WMT (23X4)**	0801453	10
	red	**UCT-WMT (23X4) RD**	0801455	10
	orange	**UCT-WMT (23X4) OG**	0801456	10
	yellow	**UCT-WMT (23X4) YE**	0801454	10
	violet	**UCT-WMT (23X4) VT**	0801459	10
	blue	**UCT-WMT (23X4) BU**	0801460	10
	green	**UCT-WMT (23X4) GN**	0801457	10
UniCard, with insert strips for PATG and PATO marking collars, with lettering field size 30 x 4 mm				
	white	**UCT-WMT (30X4)**	0801422	10
	red	**UCT-WMT (30X4) RD**	0801424	10
	orange	**UCT-WMT (30X4) OG**	0801425	10
	yellow	**UCT-WMT (30X4) YE**	0801423	10
	violet	**UCT-WMT (30X4) VT**	0801427	10
	blue	**UCT-WMT (30X4) BU**	0801428	10
	green	**UCT-WMT (30X4) GN**	0801426	10

Accessories

Magazine, for THERMOMARK CARD, for accommodating UCT-WMT ... sheets, UCT-EM (17X10)	**THERMOMARK CARD-UCT-MAG7**	0801734	1
Magazine for THERMOMARK PRIME For accommodating UCT-WMT…, UCT-EM (7 x 10)	**TMP-UCT-MAG7**	0803349	1

Slide-on UniCard wire marking



- The UCT-WMS ... UniCard marking range includes markers that can be slid onto conductors
- The BLUEMARK CLED, TOPMARK LASER, THERMOMARK PRIME, and the THERMOMARK CARD easily and quickly mark the markers in uniform sheets
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The markers support multiline marking
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Can be marked using:



Thermal transfer



UV LED technology



Direct laser marking



Marker for conductor diameters of 1.5 to 4.7 mm

Technical data

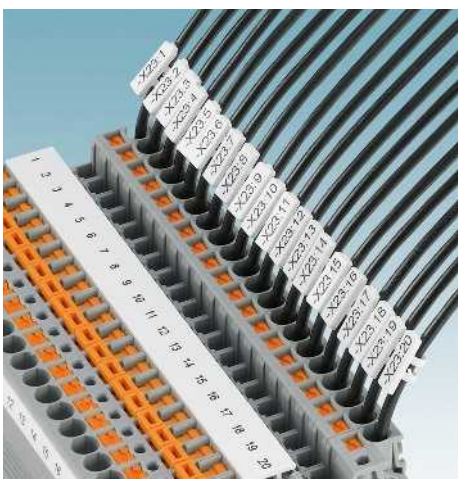
General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC V0
Flammability rating according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, conductor diameter 1.5 - 3.2 mm				
55-section, lettering field size: 12 x 4 mm	white	**UCT-WMS 3,2 (12X4)**	0828570	8
	yellow	**UCT-WMS 3,2 (12X4) YE**	0828572	8
UniCard, conductor diameter 2.5 - 4.7 mm				
45-section, lettering field size: 12 x 5.5 mm	white	**UCT-WMS 4,7 (12X5,5)**	0828571	6
	yellow	**UCT-WMS 4,7 (12X5,5) YE**	0828573	6

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating: UCT–WMS ...	**THERMOMARK CARD-UCT-MAG3**	5146613	1
Magazine for THERMOMARK PRIME for accommodating UCT-WMS...	**TMP-UCT-MAG3**	0803344	1



Clip-on UniCard wire marking



Can be marked using:



Thermal transfer



UV LED technology

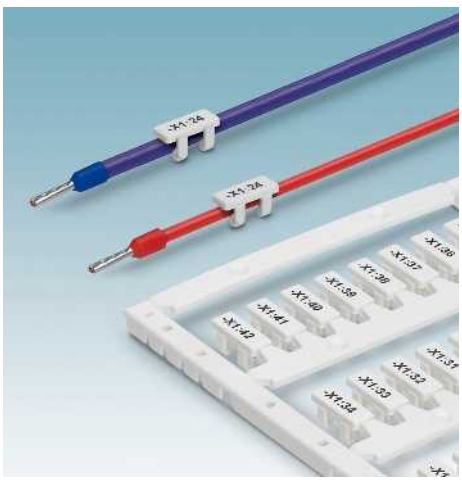


Direct laser marking



Markers for conductor diameters from 1.1 to 7.5 mm

- The UCT-WMCO ... UniCard marking range includes markers for the subsequent marking of conductors by clipping on
- Secure tight fit even in the event of vibrations
- The BLUEMARK CLED, TOPMARK LASER, THERMOMARK PRIME, and the THERMOMARK CARD easily and quickly mark the markers in uniform sheets
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- Large-surface marking in a space-saving design
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements



Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC
Flammability rating 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, conductor diameter 1.1 - 1.9 mm				
24-section, lettering field size: 23 x 4 mm	white	**UCT-WMCO 1,9 (23X4)**	0832100	9
UniCard, conductor diameter 2 - 2.9 mm				
32-section, lettering field size: 12 x 4 mm	white	**UCT-WMCO 2,9 (12X4)**	0830780	9
	yellow	**UCT-WMCO 2,9 (12X4) YE**	0831204	9
32-section, lettering field size: 18 x 4 mm	white	**UCT-WMCO 2,9 (18X4)**	0830781	9
	yellow	**UCT-WMCO 2,9 (18X4) YE**	0831205	9
24-section, lettering field size: 23 x 4 mm	white	**UCT-WMCO 2,9 (23X4)**	0832101	9
UniCard, conductor diameter 2.9 - 3.5 mm				
32-section, lettering field size: 12 x 4 mm	white	**UCT-WMCO 3,5 (12X4)**	0830782	7
	yellow	**UCT-WMCO 3,5 (12X4) YE**	0831206	7
32-section, lettering field size: 18 x 4 mm	white	**UCT-WMCO 3,5 (18X4)**	0830783	7
	yellow	**UCT-WMCO 3,5 (18X4) YE**	0831207	7
24-section, lettering field size: 23 x 4 mm	white	**UCT-WMCO 3,5 (23X4)**	0832102	7
UniCard, conductor diameter 3.5 - 4.1 mm				
32-section, lettering field size: 12 x 4 mm	white	**UCT-WMCO 4,1 (12X4)**	0830784	6
	yellow	**UCT-WMCO 4,1 (12X4) YE**	0831208	6
32-section, lettering field size: 18 x 4 mm	white	**UCT-WMCO 4,1 (18X4)**	0830785	6
	yellow	**UCT-WMCO 4,1 (18X4) YE**	0831209	6
24-section, lettering field size: 23 x 4 mm	white	**UCT-WMCO 4,1 (23X4)**	0832103	7
UniCard, conductor diameter 4.1 - 4.7 mm				
32-section, lettering field size: 12 x 4 mm	white	**UCT-WMCO 4,7 (12X4)**	0830786	6
	yellow	**UCT-WMCO 4,7 (12X4) YE**	0831210	6
32-section, lettering field size: 18 x 4 mm	white	**UCT-WMCO 4,7 (18X4)**	0830787	6
	yellow	**UCT-WMCO 4,7 (18X4) YE**	0831211	6
24-section, lettering field size: 23 x 4 mm	white	**UCT-WMCO 4,7 (23X4)**	0832104	6
UniCard, conductor diameter 4.7 - 5.4 mm				
18-section, lettering field size: 23 x 8 mm	white	**UCT-WMCO 5,4 (23X8)**	0832105	5
UniCard, conductor diameter 5.4 - 6.1 mm				
18-section, lettering field size: 23 x 8 mm	white	**UCT-WMCO 6,1 (23X8)**	0832106	5
UniCard, conductor diameter 6.1 - 6.8 mm				
18-section, lettering field size: 23 x 8 mm	white	**UCT-WMCO 6,8 (23X8)**	0832107	4
UniCard, conductor diameter 6.8 - 7.5 mm				
18-section, lettering field size: 23 x 8 mm	white	**UCT-WMCO 7,5 (23X8)**	0832108	4

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating UCT–WMCO ...(12x4)	**THERMOMARK CARD-UCT-MAG25**	0802935	1
Magazine for THERMOMARK CARD, for accommodating UCT–WMCO...(18x4)	**THERMOMARK CARD-UCT-MAG28**	0803205	1
Magazine for THERMOMARK PRIME for accommodating: UCT–WMCO...(12 x 4)	**TMP-UCT-MAG25**	0803369	1
Magazine for THERMOMARK PRIME for accommodating: UCT–WMCO...(18 x 4)	**TMP-UCT-MAG28**	0803372	1
Magazine for THERMOMARK PRIME for accommodating: UCT–WMCO...(23 x X)	**TMP-UCT-MAG29**	0803373	1

UniCard cable marking for assembly with cable binders



Can be marked using:



Thermal transfer



UV LED technology



Direct laser marking



Markers for cable diameters > 5mm

- The UCT-WMTBA ... UniCard marking range provides markers for fastening with commercial cable binders
- The BLUEMARK CLED, TOPMARK LASER, THERMOMARK PRIME, and the THERMOMARK CARD easily and quickly mark the markers in uniform sheets
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- For large-surface marking of conductors and cables > 5 mm in diameter
- The sheets provide space for including function texts
- Thanks to their angular shape the markers fit perfectly onto cables
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

For cable binders up to 5 mm wide.

For matching cable binders, see page 658 onwards or the product area on our website at phoenixcontact.net/products.

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC
Flammability rating according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Components		free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for assembly with cable binders, for conductor diameters > 5 mm, 15-section, 5 individual labels per strip				
Lettering field size: 24 x 4 mm	white	**UCT-WMTBA (24X4)**	1014082	10
	yellow	**UCT-WMTBA (24X4) YE**	1014083	10
UniCard, for assembly with cable binders, for conductor diameters > 6 mm, 12-section, 4 individual labels per strip				
Lettering field size: 29 x 6 mm	white	**UCT-WMTBA (29X6)**	1014084	10
	yellow	**UCT-WMTBA (29X6) YE**	1014085	10
UniCard, for assembly with cable binders, for conductor diameters > 6 mm, 3-section, 1 individual label per strip				
Lettering field size: 40 x 17 mm	white	**UCT-WMTBA (40X17)**	1014086	10
	yellow	**UCT-WMTBA (40X17) YE**	1014087	10

Accessories

Magazine, for THERMOMARK CARD ..., for accommodating: UCT–WMTBA ...	**THERMOMARK CARD-UCT-MAG27**	0802989	1
Magazine for THERMOMARK PRIME for accommodating UCT-WMTBA (25 x 6), UCT-WMTBA (29 x 8), UCT-WMTBA (40 x 17)	**TMP-UCT-MAG27**	0803371	1

UniCard cable marking for assembly with cable binders



- The UCT-WMTB ... UniCard marking range provides markers for fastening with commercial cable binders
- The BLUEMARK CLED, TOPMARK LASER, THERMOMARK PRIME, and the THERMOMARK CARD easily and quickly mark the markers in uniform sheets
- The format automatically ensures printing with a high degree of positioning accuracy
- For large-surface marking of conductors and cables > 2.9 mm in diameter
- The sheets provide space for including function texts
- Due to the lateral notches for the cable binders, the markers optimally adjust to smaller cable and conductor diameters > 2.9 mm
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

For matching cable binders, see page 658 onwards or the product area on our website at phoenixcontact.net/products.

Can be marked using:



Thermal transfer



UV LED technology



Direct laser marking



Markers for cable diameters > 2.9 mm

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC V0
Flammability rating according to UL 94		V0
Temperature range	[°C]	-40 ... 120
Components		free from silicone and halogen

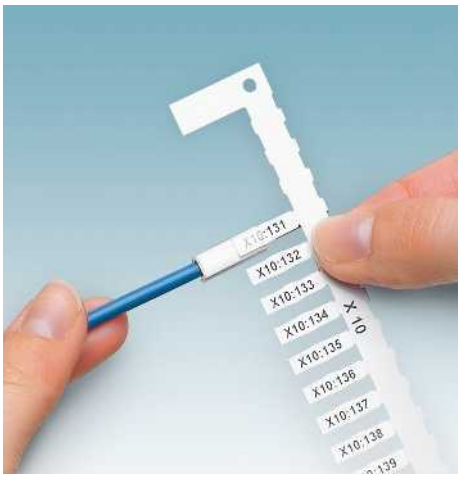
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for assembly with cable binders, for conductor diameters > 2.9 mm, 6-section, 1 individual label per strip				
Lettering field size: 29 x 8 mm	white	**UCT-WMTB (29X8)**	0803321	10
Lettering field size: 29 x 8 mm	red	**UCT-WMTB (29X8) RD**	0803323	10
Lettering field size: 29 x 8 mm	yellow	**UCT-WMTB (29X8) YE**	0803322	10
Lettering field size: 29 x 8 mm	blue	**UCT-WMTB (29X8) BU**	0803324	10
Lettering field size: 29 x 8 mm	green	**UCT-WMTB (29X8) GN**	0803325	10
Lettering field size: 29 x 8 mm	gray	**UCT-WMTB (29X8) GY**	0803326	10

Accessories

Magazine, for THERMOMARK CARD for accommodating UCT-EM (10 x 7), UCT-WMTB (29 x 8)	**THERMOMARK CARD-UCT-MAG20**	0830751	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (10 x 7), UCT-WMTB (29 x 8)	**TMP-UCT-MAG20**	0803364	1

UniSheet wire marking for marking collars



- The US-WMT ... UniSheet marking range includes markers for wire marking with marking collars from the PATG/PATO ... system
- The THERMOMARK CARD and THERMOMARK PRIME mark the markers in uniform cards, easily, quickly, and cost effectively
- 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
- Marking service: Phoenix Contact can custom-mark all UniSheet markers in accordance with your requirements

Notes:

For PATG/PATO... plant marking collars, see page 256.

Can be marked using:

Thermal transfer



Marker with lettering field size 10 x 4 mm to 15 x 4 mm

Technical data

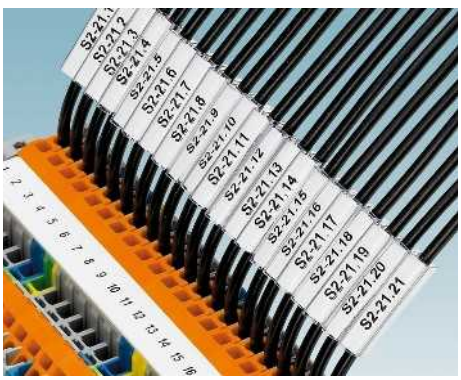
General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Number of individual labels		112
Number of individual labels per strip		14
Material		PVC
Flammability rating according to UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with insert strips for PATG and PATO marking collars, 112-section, lettering field size 10 x 4 mm				
	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 PATG and PATO marking collars, 96-section, lettering field size 12 x 4 mm				
	white	**US-WMT (12X4)**	0828766	10
	red	**US-WMT (12X4) RD**	0829280	10
	orange	**US-WMT (12X4) OG**	0829281	10
	yellow	**US-WMT (12X4) YE**	0828953	10
	violet	**US-WMT (12X4) VT**	0829283	10
	blue	**US-WMT (12X4) BU**	0829284	10
	green	**US-WMT (12X4) GN**	0829285	10
UniSheet, with insert strips for PATG and PATO marking collars, 84-section, lettering field size 15 x 4 mm				
	white	**US-WMT (15X4)**	0828767	10
	red	**US-WMT (15X4) RD**	0829287	10
	orange	**US-WMT (15X4) OG**	0829288	10
	yellow	**US-WMT (15X4) YE**	0828954	10
	violet	**US-WMT (15X4) VT**	0829290	10
	blue	**US-WMT (15X4) BU**	0829291	10
	green	**US-WMT (15X4) GN**	0829292	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1



UniSheet wire marking for marking collars



Marker with lettering field size 18 x 4 to 30 x 4 mm

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Number of individual labels per strip		14
Material		PVC
Flammability rating 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, 70-section, lettering field size 18 x 4 mm				
	white	**US-WMT (18X4)**	0828768	10
	red	**US-WMT (18X4) RD**	0829294	10
	orange	**US-WMT (18X4) OG**	0829295	10
	yellow	**US-WMT (18X4) YE**	0828955	10
	violet	**US-WMT (18X4) VT**	0829297	10
	blue	**US-WMT (18X4) BU**	0829298	10
	green	**US-WMT (18X4) GN**	0829299	10
UniSheet, with insert strips for PATG and PATO marking collars, 56-section, lettering field size 23 x 4 mm				
	white	**US-WMT (23X4)**	0828769	10
	red	**US-WMT (23X4) RD**	0829301	10
	orange	**US-WMT (23X4) OG**	0829302	10
	yellow	**US-WMT (23X4) YE**	0828956	10
	violet	**US-WMT (23X4) VT**	0829304	10
	blue	**US-WMT (23X4) BU**	0829305	10
	green	**US-WMT (23X4) GN**	0829306	10
UniSheet, with insert strips for PATG and PATO marking collars, 42-section, lettering field size 30 x 4 mm				
	white	**US-WMT (30X4)**	0828770	10
	red	**US-WMT (30X4) RD**	0829308	10
	orange	**US-WMT (30X4) OG**	0829309	10
	yellow	**US-WMT (30X4) YE**	0828957	10
	violet	**US-WMT (30X4) VT**	0829311	10
	blue	**US-WMT (30X4) BU**	0829312	10
	green	**US-WMT (30X4) GN**	0829313	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

UniSheet wire marking for assembly with cable binders

Can be marked using:



Thermal transfer



Marker for conductor diameters > 13 mm

- The US-WMTB... UniSheet marking range provides markers for fastening with commercial cable binders
- The THERMOMARK CARD and THERMOMARK PRIME mark the markers in uniform sheets, easily, quickly, and cost effectively
- The perforated marking strips are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers according to your requirements

Notes:

For corresponding cable binders, see from page 658.

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Material		PVC
Flammability rating according to UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

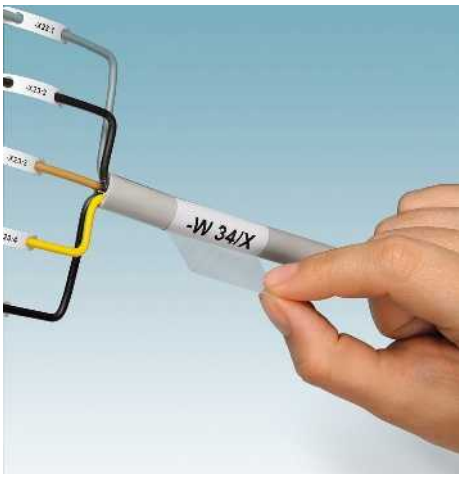
Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, markers for attachment with cable binders, for conductor diameters ≥ 13 mm				
35-section, lettering field size: 24 x 5 mm	white	**US-WMTB (24X5)**	0828771	10
	red	**US-WMTB (24X5) RD**	0829320	10
	orange	**US-WMTB (24X5) OG**	0829321	10
	yellow	**US-WMTB (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 ≥ 13 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

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1



Self-adhesive wire marking with transparent protective film



- The US-WML ... cable marker labels consist of a marking field and a transparent protective film
- The protective film is wrapped over the marking. This means the film protects against contamination and abrasion
- The cable marker labels do not increase the cross section of the cable, allowing the cable to be subsequently drawn through cable ducts, for example
- The THERMOMARK CARD and THERMOMARK PRIME mark the markers in uniform sheets, easily, quickly, and cost effectively
- Quick and easy handling
- Resistant to solvents
- Marking service: Phoenix Contact can custom-mark all UniSheet markers according to your requirements

Can be marked using:



Thermal transfer



Marker for conductor diameters of up to 36 mm

Technical data

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

Ordering data

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

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials		
THERMOMARK CARD-US-MAG1	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials		
TMP-US-MAG1	0803341	1



Self-adhesive wire marking with transparent protective film



- WML ... cable marker labels consist of a marking field and a transparent protective film
- The protective film is wrapped over the marking. This means the film protects against contamination and abrasion
- The cable marker labels do not increase the cross section of the cable, allowing the cable to be subsequently drawn through cable ducts, for example
- Quick and easy handling
- Resistant to solvents
- Marking service: Phoenix Contact can custom-mark all sheet markers according to your requirements
- **Designation example:**
  WML 3 (13x10)A4
  Conductor diameter: up to 3 mm Ø
  Lettering area width: 13 mm
  Lettering area height: 10 mm
  Type of packaging: sheet

Notes:

Print image may vary depending on laser printer

Can be marked using:



Office laser printing



Marker for conductor diameter up to 36 mm

Technical data

General data		
Can be marked using		- • 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	10
1 sheet = 168 labels, up to 3.0 mm Ø	yellow	**WML 3 (13X10)A4 YE**	0830688	10
1 sheet = 77 labels, up to 5.0 mm Ø	white	**WML 5 (25X10)A4**	0830689	10
1 sheet = 77 labels, up to 5.0 mm Ø	yellow	**WML 5 (25X10)A4 YE**	0830690	10
1 sheet = 56 labels, up to 7.5 mm Ø	white	**WML 7,5 (25X13)A4**	0830691	10
1 sheet = 56 labels, up to 7.5 mm Ø	yellow	**WML 7,5 (25X13)A4 YE**	0830692	10
1 sheet = 28 labels, up to 14 mm Ø	white	**WML 14 (25X19)A4**	0830693	10
1 sheet = 28 labels, up to 14 mm Ø	yellow	**WML 14 (25X19)A4 YE**	0830694	10
1 sheet = 28 labels, up to 16 mm Ø	white	**WML 16 (25X12)A4**	0820196	10
1 sheet = 10 labels, up to 22 mm Ø	white	**WML 22 (35X25)A4**	0830695	10
1 sheet = 10 labels, up to 22 mm Ø	yellow	**WML 22 (35X25)A4 YE**	0830696	10
1 sheet = 14 labels, up to 36 mm Ø	white	**WML 36 (25X38)A4**	0830697	10
1 sheet = 14 labels, up to 36 mm Ø	yellow	**WML 36 (25X38)A4 YE**	0830698	10



Self-adhesive wire marking with transparent protective film



- The cable marker labels consist of a marking field and a transparent protective film
- The protective film is wrapped over the marking. This means the film protects against contamination and abrasion
- The cable marker labels do not increase the cross section of the cable, allowing the cable to be subsequently drawn through cable ducts, for example
- Quick and easy handling
- Resistant to solvents

Radio-frequency identification, RFID

- The WML-RFID/HF conductor markers are also equipped with an integrated high-frequency transponder. They are used for contact-free identification, data exchange, and localization with the aid of an RFID handheld device

Notes:

Due to the wide variety of cable and conductor types, the transponder function must always be checked by the end customer.

WML-RFID/HF conductor markers cannot be marked by the THERMOMARK S1.1 and THERMOMARK X1.1.



Can be marked using:



Thermal transfer for rolls

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Marker for conductor diameters of up to 46 mm

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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, can be marked with a thermal transfer printer				
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
1,500 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
1,500 labels, up to 14 mm Ø	white	**WML 14 (25X19)R**	0817536	1
1,500 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
1000 labels, up to 14 mm Ø	yellow	**WML 14 (38X19)R YE**	0830675	1
2500 labels, up to 18 mm Ø	white	**WML 18 (12X12)R**	0817507	1
500 labels, up to 20 mm Ø	white	**WML 20 (31X25)R**	0828457	1
900 labels, up to 22 mm Ø	white	**WML 22 (25X25)R**	0800078	1
500 labels, up to 36 mm Ø	white	**WML 36 (25X38)R**	0817510	1
250 labels, up to 46 mm Ø	white	**WML 46 (25X38)R**	0800067	1
Cable marker labels, on large roll				
10,000 labels, up to 5 mm Ø	white	**WML 5 (25X10)RL**	0830676	1
15,000 labels, up to 6 mm Ø	white	**WML 6 (13X13)RL**	0830677	1
5000 labels, up to 14 mm Ø	white	**WML 14 (25X19)RL**	0830678	1
3000 labels, up to 14 mm Ø	white	**WML 14 (38X19)RL**	0830679	1
Cable marker labels, with integrated high-frequency transponder, can be marked with a thermal transfer printer Reading performance: max. 0.02 m, depending on the environment Frequency: 13.56 MHz, Memory capacity: 1 kbps, ISO 15693 and ISO 18000-3 mode 1				
750 labels, min. 6 mm to 14 mm Ø	white	**WML-RFID/HF 14 (25X19)R**	0803386	1

Accessories

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

Self-adhesive wire marking with transparent protective film, halogen-free



- The halogen-free cable marker labels consist of a marking field and a transparent protective film
- The protective film is wrapped over the marking. This means the film protects against contamination and abrasion
- The cable marker labels do not increase the cross section of the cable, allowing the cable to be subsequently drawn through cable ducts, for example
- The thermal transfer printer creates a high-quality print image
- Quick and easy handling
- Resistant to solvents
- **Designation example:**
  WML HF 3 (13x10)A4
  HF: halogen-free material
  Conductor diameter: up to 3 mm Ø
  Lettering area width: 13 mm
  Lettering area height: 10 mm
  Type of packaging: roll

Can be marked using:

Thermal transfer for rolls

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Marker for conductor diameter up to 36 mm

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		Polyethylene
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker labels, halogen-free				
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
1,500 labels, up to 14 mm Ø	white	**WML HF 14(25X19)R**	0830818	1
1,500 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

Accessories

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



Self-adhesive wire marking as a flag, vertical



The WML-FLAGV... conductor marking flags support large-surface marking of conductors with a diameter of up to 6 mm perpendicular to the conductor direction. They are characterized by:

– Can be printed on both sides
– The thermal transfer printer creates a high-quality print image
– Quick and easy handling
– Resistant to solvents

Notes:

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



Marker for conductor diameter up to 6 mm

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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, can be marked with thermal transfer printer				
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

Self-adhesive wire marking as a flag, horizontal



The WML-FLAG... conductor marking flags support large-surface marking of conductors with a diameter of up to 6 mm parallel to the conductor direction. They are characterized by:

– Can be printed on both sides
– The thermal transfer printer creates a high-quality print image
– Quick and easy handling
– Resistant to solvents

Notes:

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



Marker for conductor diameter up to 6 mm

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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

Pre-assembled shrink sleeves, halogen-free



Can be marked using:

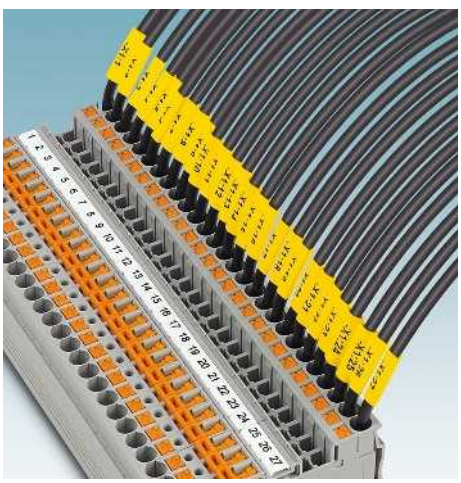


Thermal transfer for rolls



Conductor diameter from 1.2 to 50.8 mm, various shades

- WMS-2 HF... shrink sleeves provide permanent and captive conductor and cable marking
- The material is offered pre-assembled in a handy conductor format
- Up to four markings, separated from each other, are positioned on the carrier material on each row. Each is arranged separately
- Feed the conductor through the sleeve. If required, fix the conductor by shrinking the sleeve
- The shrink sleeves also provide electrical insulation. They also provide mechanical protection
- The shrink rate is 2:1
- The shrink sleeves can be printed on one side
- The WMS-2 HF... product range fulfills the high requirements of DIN EN 45545-2 (R22/R23/R24:HL3) and is thereby ideally suited to the rail industry



Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		Polyolefine
Temperature range	[°C]	-30 ... 105
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink rate		2:1

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shrink sleeve, for conductor diameter of 1.2 - 2.4 mm				
1 roll = 4000 markers, each 15 mm long	white	**WMS-2 HF 2,4 (15X4)RL**	0801000	1
	yellow	**WMS-2 HF 2,4 (15X4)RL YE**	0801004	1
1 roll = 2000 markers, each 30 mm long	white	**WMS-2 HF 2,4 (30X4)RL**	0801006	1
	yellow	**WMS-2 HF 2,4 (30X4)RL YE**	0801007	1
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 2,4 (60X4)RL**	0801008	1
	yellow	**WMS-2 HF 2,4 (60X4)RL YE**	0801009	1
Shrink sleeve, for conductor diameter of 1.5 -3.2 mm				
1 roll = 4000 markers, each 15 mm long	white	**WMS-2 HF 3,2 (15X5)RL**	0801001	1
	yellow	**WMS-2 HF 3,2 (15X5)RL YE**	0801010	4000
1 roll = 2000 markers, each 30 mm long	white	**WMS-2 HF 3,2 (30X5)RL**	0801011	1
	yellow	**WMS-2 HF 3,2 (30X5)RL YE**	0801012	1
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 3,2 (60X5)RL**	0801002	1
	yellow	**WMS-2 HF 3,2 (60X5)RL YE**	0801013	1
1 roll = 2500 markers, each 60 mm long	white	**WMS-2 HF 3,2 (60X5)RXL**	0810100	1
Shrink sleeve, for conductor diameter of 2.4 - 4.8 mm				
1 roll = 4000 markers, each 15 mm long	white	**WMS-2 HF 4,8 (15X9)RL**	0801014	1
	yellow	**WMS-2 HF 4,8 (15X9)RL YE**	0801015	1
1 roll = 2000 markers, each 30 mm long	white	**WMS-2 HF 4,8 (30X9)RL**	0801016	1
	yellow	**WMS-2 HF 4,8 (30X9)RL YE**	0801017	1
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 4,8 (60X9)RL**	0801019	1
	yellow	**WMS-2 HF 4,8 (60X9)RL YE**	0801020	1
1 roll = 2500 markers, each 60 mm long	white	**WMS-2 HF 4,8 (60X9)RXL**	0810101	1

Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm		
THERMOMARK-RIBBON 110-WMSU	0801358	1
Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm		
THERMOMARK-RIBBON 110-WMTB HF	5148007	1

Can be marked using:

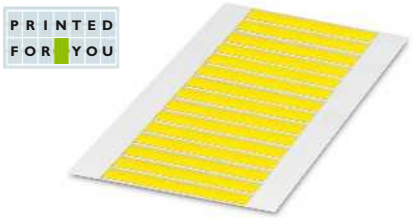
Notes:

The 110-WMSU, 64-WMSU, 25-WMSU or 110-WMTB HF ink ribbon is required for marking WMS-2 HF shrink sleeves, see Printer, Page 46

The following apply to all roll printers: R and RL rolls can be directly inserted in the device.



Thermal transfer for rolls



Conductor diameter from 1.2 to 50.8 mm, various shades

Technical data

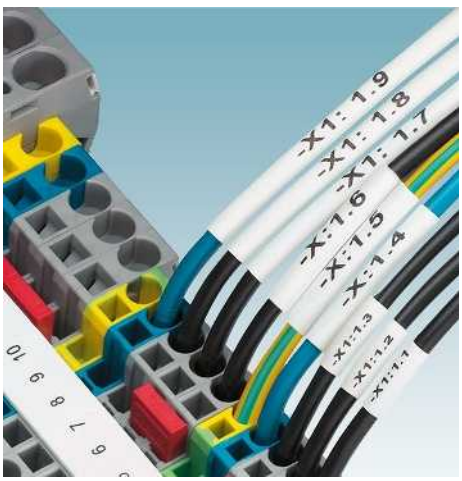
General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		Polyolefine
Temperature range	[°C]	-30 ... 105
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink rate		2:1

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shrink sleeve, for conductor diameter of 3.2 - 6.4 mm				
1 roll = 2000 markers, each 30 mm long	white	**WMS-2 HF 6,4 (30X10)RL**	0801022	1
	yellow	**WMS-2 HF 6,4 (30X10)RL YE**	0801023	1
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 6,4 (60X10)RL**	0801024	1
	yellow	**WMS-2 HF 6,4 (60X10)RL YE**	0801025	1
Shrink sleeve, for conductor diameter of 4.8 - 9.5 mm				
1 roll = 4000 markers, each 15 mm long	white	**WMS-2 HF 9,5 (15X16)RL**	0801003	1
1 roll = 2000 markers, each 30 mm long	white	**WMS-2 HF 9,5 (30X16)RL**	0801026	1
	yellow	**WMS-2 HF 9,5 (30X16)RL YE**	0801027	1
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 9,5 (60X16)RL**	0801028	1
	yellow	**WMS-2 HF 9,5 (60X16)RL YE**	0801029	1
Shrink sleeve, for conductor diameter of 6.4 - 12.7 mm				
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 12,7 (60X20)RL**	0833200	1
	yellow	**WMS-2 HF 12,7 (60X20)RL YE**	0833201	1
Shrink sleeve, for conductor diameter of 9.5 - 19.1 mm				
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 19,1 (60X30)RL**	0833202	1
	yellow	**WMS-2 HF 19,1 (60X30)RL YE**	0833203	1
Shrink sleeve, for conductor diameter of 12.7 - 25.4 mm				
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 25,4 (60X40)RL**	0833204	1
	yellow	**WMS-2 HF 25,4 (60X40)RL YE**	0833205	1
Shrink sleeve, for conductor diameter of 19.1 - 38.1 mm				
1 roll = 1000 markers, each 60 mm long	white	**WMS-2 HF 38,1 (60X60)RL**	0833206	1
	yellow	**WMS-2 HF 38,1 (60X60)RL YE**	0833207	1

Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMSU**	0801358	1
Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1



Pre-assembled shrink sleeves, halogen-free



Can be marked using:



Thermal transfer for rolls

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Conductor diameter from 1.2 to 50.8 mm, various shades

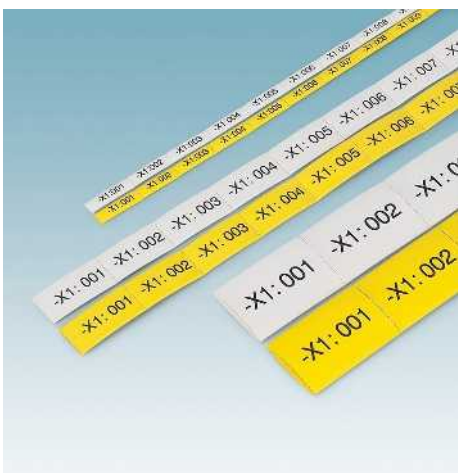
- WMS-2 HF... shrink sleeves provide permanent and captive conductor and cable marking
- The material is offered pre-assembled in a handy conductor format
- Up to four markings, separated from each other, are positioned on the carrier material on each row. Each is arranged separately
- Feed the conductor through the sleeve. If required, fix the conductor by shrinking the sleeve
- The shrink sleeves also provide electrical insulation. They also provide mechanical protection
- The shrink rate is 2:1
- The shrink sleeves can be printed on one side
- The WMS-2 HF... product range fulfills the high requirements of DIN EN 45545-2 (R22/R23/R24:HL3) and is thereby ideally suited to the rail industry

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK W1 • THERMOMARK W2
Material		Polyolefine
Temperature range	[°C]	-30 ... 105
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink rate		2:1

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shrink sleeve, for conductor diameter of 1.6 - 3.2 mm				
1 roll = 30 m continuous	white	**WMS-2 HF 3,2 (EX5)R**	0803994	1
1 roll = 120 m continuous	white	**WMS-2 HF 3,2 (EX5)RL**	0803903	1
	yellow	**WMS-2 HF 3,2 (EX5)RL YE**	0833242	1
Shrink sleeve, for conductor diameter of 2.4 - 4.8 mm				
1 roll = 30 m continuous	white	**WMS-2 HF 4,8(EX9)R**	0803995	1
	yellow	**WMS-2 HF 4,8 (EX9)R YE**	0804520	1
	blue	**WMS-2 HF 4,8 (EX9)R BU**	0819991	1
	red	**WMS-2 HF 4,8 (EX9)R RD**	0819992	1
1 roll = 120 m continuous	white	**WMS-2 HF 4,8 (EX9)RL**	0803904	1
	yellow	**WMS-2 HF 4,8 (EX9)RL YE**	0833243	1
Shrink sleeve, for conductor diameter of 3.2 - 6.4 mm				
1 roll = 25 m continuous	blue	**WMS-2 HF 6,4 (EX10)R BU**	0819993	1
	red	**WMS-2 HF 6,4 (EX10)R RD**	0819994	1
1 roll = 100 m continuous	white	**WMS-2 HF 6,4 (EX10)RL**	0803905	1
	yellow	**WMS-2 HF 6,4 (EX10)RL YE**	0833244	1
Shrink sleeve, for conductor diameter of 4.8 - 9.5 mm				
1 roll = 80 m continuous	yellow	**WMS-2 HF 9,5 (EX16)RL YE**	0833245	1
1 roll = 20 m continuous	yellow	**WMS-2 HF 9,5 (EX16)R YE**	0804535	1
	white	**WMS-2 HF 9,5 (EX16)R**	0804524	1
	blue	**WMS-2 HF 9,5 (EX16)R BU**	0804525	1
	red	**WMS-2 HF 9,5 (EX16)R RD**	0804526	1



Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm		
THERMOMARK-RIBBON 110-WMSU	0801358	1
Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm		
THERMOMARK-RIBBON 110-WMTB HF	5148007	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm		
THERMOMARK-RIBBON 64-WMSU	0801360	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm		
THERMOMARK-RIBBON 25-WMSU	0803390	1

Can be marked using:

Notes:

The 110-WMSU, 64-WMSU, 25-WMSU or 110-WMTB HF ink ribbon is required for marking WMS-2 HF shrink sleeves, see Printer, Page 46

The following apply to all roll printers: R and RL rolls can be directly inserted in the device.



Thermal transfer for rolls

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Conductor diameter from 1.2 to 50.8 mm, various shades

Technical data

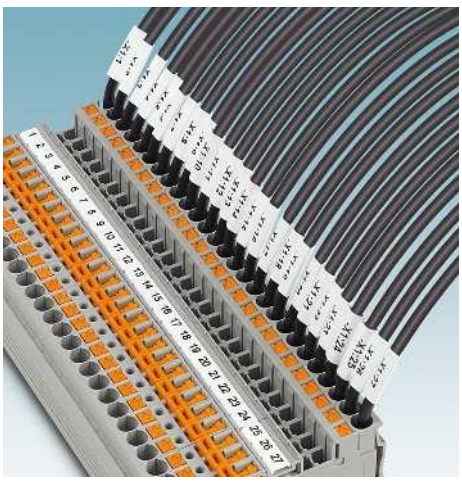
General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.1 • THERMOMARK X1.2 • THERMOMARK W1 • THERMOMARK W2
Material		Polyolefine
Temperature range	[°C]	-30 ... 105
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Halogen-free
Shrink rate		2:1

Ordering data

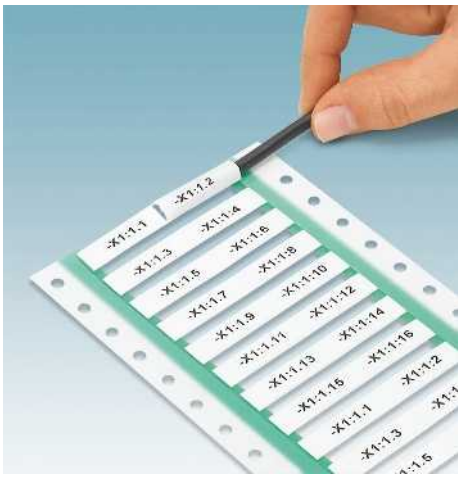
Description	Color	Type	Order No.	Pcs./Pkt.
Shrink sleeve, for conductor diameter of 6.4 - 12.7 mm				
1 roll = 80 m continuous	white	**WMS-2 HF 12,7 (EX20)RL**	0864100	1
	yellow	**WMS-2 HF 12,7 (EX20)RL YE**	0833246	1
	red	**WMS-2 HF 12,7 (EX20)RL RD**	0864101	1
	blue	**WMS-2 HF 12,7 (EX20)RL BU**	0864102	1
1 roll = 20 m continuous	yellow	**WMS-2 HF 12,7 (EX20)R YE**	0804521	1
Shrink sleeve, for conductor diameter of 9.5 - 19.1 mm				
1 roll = 80 m continuous	white	**WMS-2 HF 19,1 (EX30)RL**	0864103	1
	red	**WMS-2 HF 19,1 (EX30)RL RD**	0864104	1
	blue	**WMS-2 HF 19,1 (EX30)RL BU**	0864105	1
1 roll = 20 m continuous	yellow	**WMS-2 HF 19,1 (EX30)R YE**	0804537	1
Shrink sleeve, for conductor diameter of 12.7 - 25.4 mm				
1 roll = 80 m continuous	white	**WMS-2 HF 25,4 (EX40)RL**	0864106	1
	red	**WMS-2 HF 25,4 (EX40)RL RD**	0864107	1
	blue	**WMS-2 HF 25,4 (EX40)RL BU**	0864108	1
Shrink sleeve, for conductor diameter of 19.1 - 38.1 mm				
1 roll = 80 m continuous	blue	**WMS-2 HF 38,1(EX60)RL BU**	0864111	1
1 roll = 80 m continuous	red	**WMS-2 HF 38,1(EX60)RL RD**	0864110	1
1 roll = 80 m continuous	white	**WMS-2 HF 38,1(EX60)RL**	0864109	1
1 roll = 20 m continuous	yellow	**WMS-2 HF 38,1 (EX60)R YE**	0804538	1
Shrink sleeve, for conductor diameter of 25.4 - 50.8 mm				
1 roll = 15 m continuous	yellow	**WMS-2 HF 50,8 (EX80)R YE**	0804539	1

Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMSU**	0801358	1
Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMSU**	0801358	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 64 mm	**THERMOMARK-RIBBON 64-WMSU**	0801360	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 25 mm	**THERMOMARK-RIBBON 25-WMSU**	0803390	1



Pre-assembled shrink sleeves



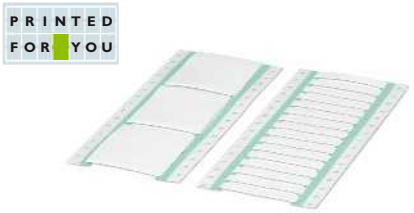
- The WMS ... shrink sleeves permanently identify conductors and cables
- The sleeves are pre-assembled for optimum use of material
- Up to four markers per sleeve are separated by perforation
- Thread the conductors to be marked through the sleeve.Then fix the sleeve to the conductor by shrinking
- 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, all tubing-1)
- CSA.C22.2 No. 198.1 (125°C, 600 V, all tubing-1)
- MIL-STD-202G, SAE AMS-DTL-23053, ASTM E162, E662, E1354

Can be marked using:



Thermal transfer for rolls



Conductor diameter from 0.8 to 38 mm, white and yellow

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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, each 15 mm long	white	**WMS 2,4 (15X4)R**	0800379	1
	yellow	**WMS 2,4 (15X4)R YE**	0800412	1
1 roll = 500 markers, each 30 mm long	white	**WMS 2,4 (30X4)R**	0800373	1
	yellow	**WMS 2,4 (30X4)R YE**	0800407	1
1 roll = 250 markers, each 60 mm long	white	**WMS 2,4 (60X4)R**	0800363	1
	yellow	**WMS 2,4 (60X4)R YE**	0800398	1
Shrink sleeve, for conductor diameters 1.0 - 3.2 mm				
1 roll = 1000 markers, each 15 mm long	white	**WMS 3,2 (15X5)R**	0800380	1
	yellow	**WMS 3,2 (15X5)R YE**	0800413	1
1 roll = 500 markers, each 30 mm long	white	**WMS 3,2 (30X5)R**	0800374	1
	yellow	**WMS 3,2 (30X5)R YE**	0800408	1
1 roll = 250 markers, each 60 mm long	white	**WMS 3,2 (60X5)R**	0800364	1
	yellow	**WMS 3,2 (60X5)R YE**	0800399	1
Shrink sleeve, for conductor diameters 1.6 - 4.8 mm				
1 roll = 1000 markers, each 15 mm long	white	**WMS 4,8 (15X9)R**	0800382	1
	yellow	**WMS 4,8 (15X9)R YE**	0800414	1
1 roll = 500 markers, each 30 mm long	white	**WMS 4,8 (30X9)R**	0800375	1
	yellow	**WMS 4,8 (30X9)R YE**	0800409	1
1 roll = 250 markers, each 60 mm long	white	**WMS 4,8 (60X9)R**	0800366	1
	yellow	**WMS 4,8 (60X9)R YE**	0800400	1
Shrink sleeve, for conductor diameters 2.1 - 6.4 mm				
1 roll = 1000 markers, each 15 mm long	white	**WMS 6,4 (15X10)R**	0801593	1
1 roll = 500 markers, each 30 mm long	white	**WMS 6,4 (30X10)R**	0800376	1
	yellow	**WMS 6,4 (30X10)R YE**	0800410	1
1 roll = 250 markers, each 60 mm long	white	**WMS 6,4 (60X10)R**	0800367	1
	yellow	**WMS 6,4 (60X10)R YE**	0800401	1
Shrink sleeve, for conductor diameters 3.2 - 9.5 mm				
1 roll = 500 markers, each 30 mm long	white	**WMS 9,5 (30X16)R**	0800377	1
	yellow	**WMS 9,5 (30X16)R YE**	0800411	1
1 roll = 250 markers, each 60 mm long	white	**WMS 9,5 (60X16)R**	0800368	1
	yellow	**WMS 9,5 (60X16)R YE**	0800402	1
Shrink sleeve, for conductor diameters 4.2 - 12.7 mm				
1 roll = 500 markers, each 30 mm long	white	**WMS 12,7 (30X20)R**	0804266	1
1 roll = 250 markers, each 60 mm long	white	**WMS 12,7 (60X20)R**	0800369	1
	yellow	**WMS 12,7 (60X20)R YE**	0800403	1
Shrink sleeve, for conductor diameters 6.4 - 19.1 mm				
1 roll = 250 markers, each 60 mm long	white	**WMS 19,1 (60X30)R**	0800370	1
	yellow	**WMS 19,1 (60X30)R YE**	0800404	1
Shrink sleeve, for conductor diameters 8.5 - 25.4 mm				
1 roll = 250 markers, each 60 mm long	white	**WMS 25,4 (60X40)R**	0800371	1
	yellow	**WMS 25,4 (60X40)R YE**	0800405	1

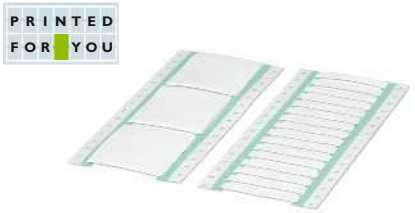
Pre-assembled shrink sleeves

Notes:

The 110-WMSU, 64-WMSU, 25-WMSU or 64-WMSE ink ribbon is required for marking WMS ... shrink sleeves, see Printer, page 46.

THERMOMARK ROLL:
The R roll shrink sleeves are fed into the printer directly from the packaging. Use the external THERMOMARK ROLL-ERH media hub for RL and RXL rolls see Printer, page 46.

THERMOMARK ROLLMASTER 300 and ROLLMASTER 600, THERMOMARK ROLL X1 and THERMOMARK X1.2:
The R roll shrink sleeves are fed into the printer directly from the packaging. R and RXL rolls can be directly inserted in the device.



Conductor diameter from 0.8 to 4.8 mm, white and yellow, on large roll



Conductor diameter from 0.8 to 4.8 mm, white and yellow, on extra large roll

Technical data

General data			
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2	THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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

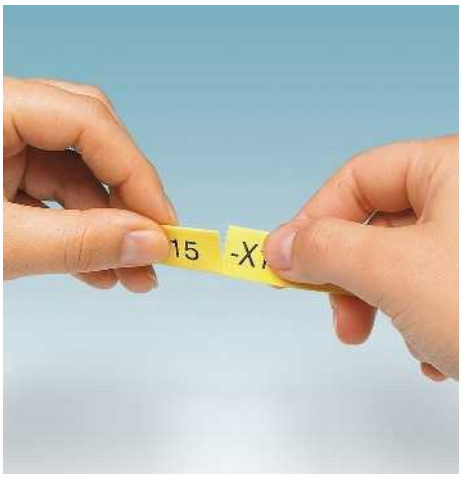
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Shrink sleeve, for conductor diameters 0.8 - 2.4 mm							
1 roll = 4000 markers, each 15 mm long	white	**WMS 2,4 (15X4)RL**	0800389	1			
1 roll = 10000 markers, each 15 mm long	white				**WMS 2,4 (15X4)RXL**	0800396	1
1 roll = 2000 markers, each 30 mm long	white	**WMS 2,4 (30X4)RL**	0800386	1			
1 roll = 5000 markers, each 30 mm long	white				**WMS 2,4 (30X4)RXL**	0800394	1
1 roll = 1000 markers, each 60 mm long	white	**WMS 2,4 (60X4)RL**	0800383	1			
1 roll = 2500 markers, each 60 mm long	white				**WMS 2,4 (60X4)RXL**	0800392	1
Shrink sleeve, for conductor diameters 1.0 - 3.2 mm							
1 roll = 4000 markers, each 15 mm long	white	**WMS 3,2 (15X5)RL**	0800390	1			
1 roll = 2000 markers, each 30 mm long	white	**WMS 3,2 (30X5)RL**	0800387	1			
1 roll = 5000 markers, each 30 mm long	white				**WMS 3,2 (30X5)RXL**	0804268	1
1 roll = 1000 markers, each 60 mm long	white	**WMS 3,2 (60X5)RL**	0800384	1			
1 roll = 2500 markers, each 60 mm long	yellow				**WMS 3,2 (60X5)RXL YE**	0803102	1
Shrink sleeve, for conductor diameters 1.6 - 4.8 mm							
1 roll = 4000 markers, each 15 mm long	white	**WMS 4,8 (15X9)RL**	0800391	1			
1 roll = 10000 markers, each 15 mm long	white				**WMS 4,8 (15X9)RXL**	0800397	1
1 roll = 2000 markers, each 30 mm long	white	**WMS 4,8 (30X9)RL**	0800388	1			
1 roll = 5000 markers, each 30 mm long	white				**WMS 4,8 (30X9)RXL**	0800395	1
1 roll = 5000 markers, each 30 mm long	yellow				**WMS 4,8 (30X9)RXL YE**	0803313	1
1 roll = 1000 markers, each 60 mm long	white	**WMS 4,8 (60X9)RL**	0800385	1			
1 roll = 2500 markers, each 60 mm long	white				**WMS 4,8 (60X9)RXL**	0800393	1
1 roll = 2500 markers, each 60 mm long	yellow				**WMS 4,8 (60X9)RXL YE**	0803103	1
Shrink sleeve, for conductor diameters 2.1 - 6.4 mm							
1 roll = 4000 markers, each 15 mm long	white	**WMS 6,4 (15X10)RL**	0801594	1			
1 roll = 2500 markers, each 15 mm long	white				**WMS 6,4 (15X10)RXL**	0801595	1
1 roll = 2500 markers, each 60 mm long	yellow				**WMS 6,4 (60X10)RXL YE**	0803104	1
Shrink sleeve, for conductor diameters 3.2 - 9.5 mm							
1 roll = 2000 markers, each 30 mm long	white	**WMS 9,5 (30X16)RL**	0804267	1			
1 roll = 1000 markers, each 60 mm long	white	**WMS 9,5 (60X16)RL**	0803105	1			
1 roll = 1000 markers, each 60 mm long	yellow	**WMS 9,5 (60X16)RL YE**	0803106	1			
Shrink sleeve, for conductor diameters 4.2 - 12.7 mm							
1 roll = 1000 markers, each 60 mm long	yellow	**WMS 12,7 (60X20)RL YE**	0803107	1			
Shrink sleeve, for conductor diameters 6.4 - 19.1 mm							
1 roll = 1000 markers, each 60 mm long	yellow	**WMS 19,1 (60X30)RL YE**	0803108	1			

Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm		**THERMOMARK-RIBBON 110-WMSU**	0801358	1	**THERMOMARK-RIBBON 110-WMSU**	0801358	1

Continuous shrink sleeve



- Equip your printer with the CUTTER/P perforation unit, to automatically perforate shrink sleeves to the desired length
- Thanks the CUTTER cutting unit, the shrink sleeves in continuous format can be individually cut
- The THERMOMARK W2 continuously prints shrink sleeves in rolls on both sides
- Individual markers are cut to any length The following standards are satisfied:
- UL 224 (125°C, 600 V, all tubing-1)
- CSA.C22.2 No. 198.1 (125°C, 600 V, all tubing-1)
- MIL-STD-202G, SAE AMS-DTL-23053, ASTM E162, E662, E1354

Notes:

For marking WMS ... shrink sleeves, the ink ribbon 110-WMSU, 64-WMSU, 25-WMSU, 64-WMSE, 110-WMSU WH or 64-WMSU WH is required,
Refer to Printer, page 46.

THERMOMARK ROLL:
Use the external THERMOMARK ROLL-ERH media hub for R and RL rolls see Printer, page 46.

THERMOMARK ROLLMASTER 300 and ROLLMASTER 600, THERMOMARK ROLL X1, THERMOMARK X1.2:
R rolls can be directly inserted in the device. Use the external THERMOMARK ROLL-ERH media hub for RL rolls see Printer, page 55.

THERMOMARK W2:
R and RL rolls can be directly inserted in the device.

Can be marked using:

Thermal transfer for rolls

PRINTED FOR YOU



Conductor diameter from 0.8 to 50.8 mm, white

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK W1 • THERMOMARK W2
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

Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMSU**	0801358	1
	THERMOMARK-RIBBON 64-WMSU	0801360	1
	THERMOMARK-RIBBON 64-WMSE	5145724	1
	THERMOMARK-RIBBON 25-WMSU	0803390	1
Ink ribbon for roll printer, ink color: white, length: 300 m, width: 110 mm			



Conductor diameter from 0.8 to 50.8 mm, yellow



Conductor diameter from 0.8 to 50.8 mm, black

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK W1 • THERMOMARK W2
Polyolefine
-55 ... 135
DIN EN 61010-1 (VDE 0411-1)
Halogen-free
3:1

Ordering data

Type	Order No.	Pcs./Pkt.
WMS 2,4 (EX4)R YE	0800300	1
WMS 3,2 (EX5)R YE	0800301	1
WMS 4,8 (EX9)R YE	0800302	1
WMS 6,4 (EX10)R YE	0800303	1
WMS 9,5 (EX16)R YE	0800304	1
WMS 12,7 (EX20)R YE	0800305	1
WMS 19,1 (EX30)R YE	0800306	1
WMS 25,4 (EX40)R YE	0800308	1
WMS 38,1 (EX60)R YE	0800309	1
WMS 50,8 (EX80)R YE	0800311	1
WMS 2,4 (EX4)RL YE	0800328	1
WMS 3,2 (EX5)RL YE	0800329	1
WMS 4,8 (EX9)RL YE	0800330	1
WMS 6,4 (EX10)RL YE	0800331	1
WMS 9,5 (EX16)RL YE	0800332	1
WMS 12,7 (EX20)RL YE	0800333	1
WMS 19,1 (EX30)RL YE	0800334	1
WMS 25,4 (EX40)RL YE	0800335	1

Accessories

THERMOMARK-RIBBON 110-WMSU	0801358	1
THERMOMARK-RIBBON 64-WMSU	0801360	1
THERMOMARK-RIBBON 64-WMSE	5145724	1
THERMOMARK-RIBBON 25-WMSU	0803390	1

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK W1 • THERMOMARK W2
Polyolefine
-55 ... 135
DIN EN 61010-1 (VDE 0411-1)
Halogen-free
3:1

Ordering data

Type	Order No.	Pcs./Pkt.
WMS 2,4 (EX4)R BK	0800415	1
WMS 3,2 (EX5)R BK	0800416	1
WMS 4,8 (EX9)R BK	0800418	1
WMS 6,4 (EX10)R BK	0800419	1
WMS 9,5 (EX16)R BK	0800421	1
WMS 12,7 (EX20)R BK	0800422	1
WMS 19,1 (EX30)R BK	0800423	1
WMS 25,4 (EX40)R BK	0800424	1
WMS 38,1 (EX60)R BK	0800425	1
WMS 50,8 (EX80)R BK	0800426	1
WMS 2,4 (EX4)RL BK	0800427	1
WMS 3,2 (EX5)RL BK	0800428	1
WMS 4,8 (EX9)RL BK	0800429	1
WMS 6,4 (EX10)RL BK	0800430	1
WMS 9,5 (EX16)RL BK	0800431	1
WMS 12,7 (EX20)RL BK	0800432	1
WMS 19,1 (EX30)RL BK	0800434	1
WMS 25,4 (EX40)RL BK	0800435	1

Accessories

THERMOMARK-RIBBON 110-WMSU WH	0801359	1
THERMOMARK-RIBBON 64-WMSU WH	0801361	1

Insertable wire marking for marking collars



– EMT ... insert labels for marking various marking collars
– Can be printed using the thermal transfer roll printers
– Thanks to their special contour, EMT ... insert labels remain securely inside the collar once inserted
– The PABL ... sheets are available to allow marking with a laser printer
– Marking service: Phoenix Contact can custom-mark all conductor markers in accordance with your requirements
– **Designation example:**
EMT (10x4)R
Lettering area width: 10 mm
Lettering area height: 4 mm
Type of packaging: roll

Notes:
PATG/PATO ... system, see page 256.
KMK ..., see page 244.
LM ..., see page 245.

Can be marked using:



Thermal transfer for rolls



Insert labels for marker carriers

Technical data

General data	
Can be marked using	THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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

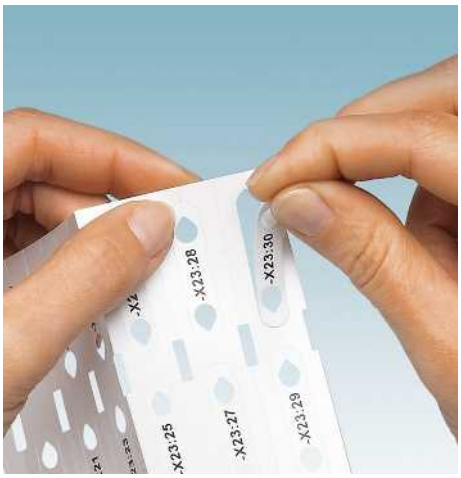
Description	Color	Type	Order No.	Pcs./Pkt.
Insert strips, can be marked with thermal transfer printer				
7500 labels per roll	white	**EMT (10X4)R**	0816235	1
7500 labels per roll	white	**EMT (15X4)R**	0817329	1
	red	**EMT (15X4)R RD**	0816249	1
	yellow	**EMT (15X4)R YE**	0817358	1
	blue	**EMT (15X4)R BU**	0817332	1
5000 labels per roll	white	**EMT (23X4)R**	0817361	1
	yellow	**EMT (23X4)R YE**	0817374	1
1 roll = 5000 markers	white	**EMT (24X4)R**	0816265	1
1 roll = 5000 markers	white	**EMT (25X6)R**	0817264	1
1 roll = 5400 markers	white	**EMT (29X8)R**	0817277	1
	yellow	**EMT (29X8)R YE**	0817280	1
1 roll = 2300 markers	white	**EMT (40X17)R**	0817293	1
1 roll = 500 labels, lettering field size: 44 x 7 mm	white	**EMT (44X7)R**	0819275	1
1 roll = 500 labels, lettering field size: 60 x 10 mm	white	**EMT (60X10)R**	0804288	1
1 roll = 2500 markers	white	**EMT (60X15)R**	0801846	1
Insert strips, for PATG/PATO, perforated, DIN A4 sheet, lettering field size: 15 x 4 mm, 1 sheet = 360 labels, for office laser printers	white	**PABL 15X4**	0808260	10

Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm				
		THERMOMARK-RIBBON 110-WMTB HF	5148007	1



Slide-on wire marking



- The conductor is pushed through the two punch-outs on the marker. In this way, the marker is aligned on the conductor
- The special hole geometry ensures a strong axial hold
- Made from high-quality polyester foil
- Available for different conductor diameters
- Custom marking and easy handling
- The thermal transfer printer creates a high-quality print image
- Special packaging protects the conductor markers against external influences, dust, and dirt
- Marking service: Phoenix Contact can custom-mark all conductor markers in accordance with your requirements
- **Designation example:**
  WMT 2.4 (15 x 4)R
  Conductor diameter: up to 2.4 mm
  Lettering area width: 15 mm
  Lettering area height: 4 mm
  Type of packaging: roll

Can be marked using:

Thermal transfer for rolls



Marker for conductor diameters of 1.0 to 8.4 mm

Technical data

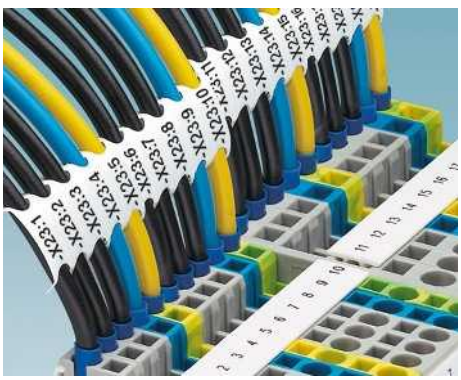
General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK S1.1
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

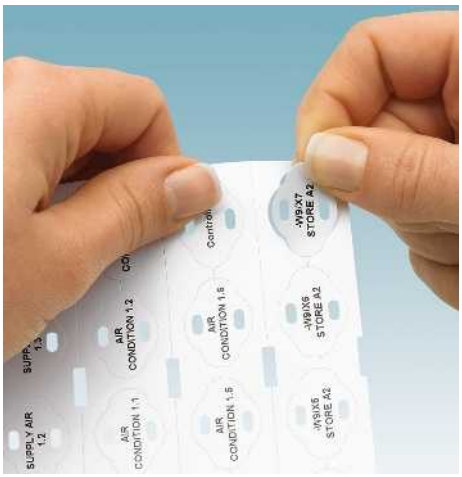
Description	Color	Type	Order No.	Pcs./Pkt.
Conductor markers for threading on, can be marked with thermal transfer printer				
4000 markers per roll, conductor diameter: 1.0 - 2.4 mm	white	**WMT 2,4 (15X4)R**	0816281	1
4000 markers per roll, conductor diameter: 2.0 - 3.5 mm	white	**WMT 3,5 (15X5)R**	0817222	1
4000 markers per roll, conductor diameter: 3.0 - 4.2 mm	white	**WMT 4,2 (15X6)R**	0817235	1
4000 markers per roll, conductor diameter: 4.0 - 5.5 mm	white	**WMT 5,5 (15X8)R**	0817248	1
4000 markers per roll, conductor diameter: 5.0 - 8.4 mm	white	**WMT 8,4 (17X10)R**	0817251	1

Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1



Wire marking for cable binder assembly



- Wire marking, marks and bundles conductors for internal areas
- Made from high-quality polyester foil
- The PKB.. cable binders are affixed to both fastening lugs on the marker
- Marking service: Phoenix Contact can custom-mark all conductor markers in accordance with your requirements
- **Designation example:**
  WMTB (24x8) R
  Lettering area width: 24 mm
  Lettering area height: 8 mm
  Type of packaging: roll

Notes:

For corresponding cable binders, see from page 658.

Can be marked using:



Thermal transfer for rolls



Marker for conductor diameters of 6 mm and above

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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

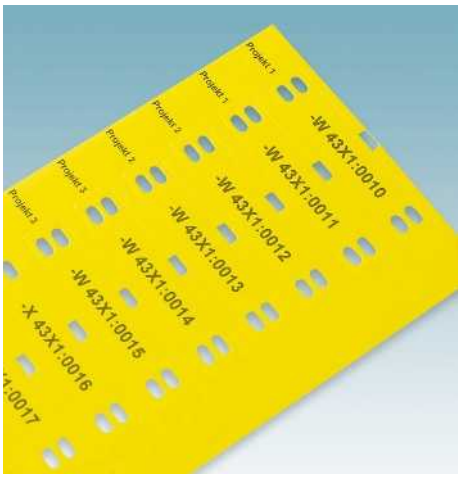
Description	Color	Type	Order No.	Pcs./Pkt.
Cable markers for assembly with cable binders, max. cable binder width: 5 mm, can be marked with thermal transfer printer				
4000 cable markers per roll	white	**WMTB (24X8)R**	0816278	1
1700 cable markers per roll	white	**WMTB (35X15)R**	0817316	1

Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm			
	THERMOMARK-RIBBON 110-WMTB HF	5148007	1



Wire marking for cable binder assembly



The halogen-free wire and cable marking is used for marking and bundling conductors and cables indoors and outdoors

– Made from high-quality thermoplastic polyether urethane
– Highly flexible material, adapts to the bending of the conductors or cables
– The carrier material is ideal for printing additional markings, e.g., project information. This makes it easier to assign the markers during mounting
– Very high tensile strength
– Flame-retardant material
– The marker is attached to the conductor with cable binders. There are two fastening lugs for this
– Marking service: Phoenix Contact can custom-mark all conductor markers in accordance with your requirements
– **Designation example:**
WMTB HF (40x12)R
HF: halogen-free material
Lettering area width: 40 mm
Lettering area height: 12 mm
Type of packaging: roll

Notes:

For corresponding cable binders, see from page 658.

Can be marked using:



Thermal transfer for rolls

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Marker for conductor diameters of 6 mm and above

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600
Material		PUR
Flammability rating 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, max. cable binder width: 5 mm, can be marked with thermal transfer printer				
1 roll = 1000 markers	white	**WMTB HF (40X12)R**	0830407	1
	yellow	**WMTB HF (40X12)R YE**	0830408	1
	red	**WMTB HF (40X12)R RD**	0803314	1
	blue	**WMTB HF (40X12)R DBU**	0802991	1
	blue	**WMTB HF (40X12)R BU**	0804977	1
	green	**WMTB HF (40X12)R GN**	0804978	1
1 roll = 1000 markers	white	**WMTB HF (55X15)R**	0830409	1
	yellow	**WMTB HF (55X15)R YE**	0830410	1
	red	**WMTB HF (55X15)R RD**	0803315	1
	blue	**WMTB HF (55X15)R DBU**	0802992	1
	blue	**WMTB HF (55X15)R BU**	0804979	1
	green	**WMTB HF (55X15)R GN**	0804980	1
1 roll = 500 labels	white	**WMTB HF (55X25)R**	0830411	1
	yellow	**WMTB HF (55X25)R YE**	0830412	1
	red	**WMTB HF (55X25)R RD**	0803316	1
	blue	**WMTB HF (55X25)R DBU**	0802993	1
	blue	**WMTB HF (55X25)R BU**	0804981	1
	green	**WMTB HF (55X25)R GN**	0804982	1

Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm		
THERMOMARK-RIBBON 110-WMTB HF	5148007	1
Ink ribbon for roll printer, ink color: white, length: 300 m, width: 110 mm		
TM-RIBBON 110-WMTB HF WH	0802990	1



Conductor marker carriers for assembly with cable binders, for labels with laminated protective film



- The WM-CARRIER /B... conductor marker carriers consist of a marking field for labels and a transparent, self-adhesive laminated protective film
- The protective film provides permanent protection against contamination and abrasion
- The thermal transfer printer creates a high-quality print image
- Quick and easy handling
- The marker is attached to the conductor with cable binders. There are two fastening lugs for this
- Resistant to solvents
- Marking service: Phoenix Contact can custom-mark all cable marker labels in accordance with your requirements

Notes:

For corresponding cable binders, see from page 658.



Marker 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

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm		**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm		**THERMOMARK-RIBBON 110/50**	0800687	1
Labels, can be marked with a thermal transfer printer				
1 roll = 2500 labels	white	**EML (40X6)R**	0830481	1
1 roll = 2500 labels	yellow	**EML (40X6)R YE**	0830482	1
1 roll = 2500 labels	white	**EML (50X10)R**	0830483	1
1 roll = 2500 labels	yellow	**EML (50X10)R YE**	0830484	1
1 roll = 2500 labels	white	**EML (75X10)R**	0830485	1
1 roll = 2500 labels	yellow	**EML (75X10)R YE**	0830486	1



Plastic cable marker for insert labels, for assembly with cable binders

Notes:

For corresponding cable binders, see from page 658.





Lettering field size 25 x 6 mm, for cable diameter > 6 mm

- The KMK... versions have eyelets and are attached with cable binders
- Plastic cable markers mark and bundle conductors and cables indoors
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements
- **Designation example: ESL (25x6)**
  Lettering area width: 25 mm
  Lettering area height: 6 mm
  Type of packaging: sheet

Technical data

General data		
Material		Polyethylene
Temperature range	[°C]	-40 ... 80
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker carrier for cable binder assembly				
Lettering field size: 25 x 6 mm	transparent	**KMK 1**	0830745	100
Lettering field size: 29 x 8 mm	transparent			
	transparent			
Lettering field size: 40 x 17 mm	transparent			
Lettering field size: 60 x 15 mm	transparent			

Accessories

Insert labels, DIN A4, can be marked with laser printer			
1 sheet = 252 labels 1 sheet = 174 labels	**ESL (25X6)**	0801849	10
1 sheet = 56 labels 1 sheet = 51 labels			
Roll, insert labels, can be marked with thermal transfer printer			
1 roll = 5000 markers 1 roll = 5400 markers 1 roll = 2300 markers 1 roll = 2500 markers	**EMT (25X6)R**	0817264	1
UniSheet, insert labels, can be marked with thermal transfer printer 1 UniSheet = 84 labels 1 UniSheet = 48 labels 1 UniSheet = 16 labels 1 UniSheet = 9 labels	**US-EMP (25X6)-1**	0802754	10
Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1





Lettering field size 29 x 8 mm, for cable diameter > 6 mm



Lettering field size 40 x 17 mm, for cable diameter > 9 mm



Lettering field size 60 x 15 mm, for cable diameter > 9 mm

Technical data

Polyethylene
-40 ... 80
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KMK 2	1005266	100
KMK 2-1000	0815004	1000

Accessories

ESL 29X8	0808257	10
ESL 29X8 YE	0811930	10
EMT (29X8)R	0817277	1
US-EMP (29X8)	0829436	10
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Technical data

Polyethylene
-40 ... 80
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KMK 4	1005305	50

Accessories

ESL 40X17	0808095	10
EMT (40X17)R	0817293	1
US-EMP (40X17)	0829437	10
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Technical data

Polyethylene
-40 ... 80
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KMK 5	0830746	50

Accessories

ESL (60X15)	0801851	10
EMT (60X15)R	0801846	1
US-EMP (60X15)	0828781	10
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Plastic cable marker for insert labels, for assembly with cable binders



- Plastic cable markers mark and bundle conductors and cables indoors
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements
- **Designation example: ESL(29x8)**
  Lettering area width: 29 mm
  Lettering area height: 8 mm
  Type of packaging: sheet



Notes:
For corresponding cable binders, see from page 658.
The print image may vary depending on laser printer.



For insert labels with lettering field size 29 x 8 mm, for cable diameters > 10 mm

Technical data

General data	
Material	Polyethylene
Temperature range [°C]	-40 ... 80
Components	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plastic cable markers for insert labels, with cable binders with a pointed end, can be marked with ESL..., EMT... or US-EMP... insert labels, diameter: 10 ... 25 mm, lettering field size: 29 x 8 mm	transparent	**KMK**	1005208	100
Plastic cable markers for insert labels, with cable binders with a pointed end, can be marked with ESL..., EMT... or US-EMP... insert labels, diameter: 16 ... 35 mm, lettering field size: 40 x 17 mm	transparent			
Cable and conductor markers for insert labels, can be marked with EST or ESL, diameter of 1 - 12 mm, lettering field size: 24 x 4 mm	white			
Cable and conductor markers for labels, can be marked with EML or EMLC, diameter of 1 - 20 mm, lettering field size: 20 x 8 mm	white			

Accessories

Insert strips for laser printers, DIN A4, perforated 1 sheet = 174 labels 1 sheet = 56 labels 1 sheet = 488 labels	**ESL 29X8**	0808257	10
Roll, insert labels, can be marked with thermal transfer printer 1 roll = 5400 markers 1 roll = 2300 markers 1 roll = 5000 markers	**EMT (29X8)R**	0817277	1
UniSheet, insert labels, can be marked with thermal transfer printer 1 UniSheet = 48 labels 1 UniSheet = 16 labels	**US-EMP (29X8)**	0829436	10
Fabric label 1 roll = 2500 labels 1 roll = 2500 labels			
UniSheet, self-adhesive labels for thermal transfer printer 1 UniSheet = 64 labels, lettering field size: 20 x 8 mm			
Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1



Insert label, with lettering field size 40 x 17 mm, for cable diameters > 16 mm



For insert labels with lettering field size 24 x 4 mm, for cable diameters > 1 mm



For adhesive labels, with lettering field size 20 x 8 mm, for cable diameters > 1 mm

Technical data

Polyethylene
-40 ... 80
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KMK 3	1005211	50

Accessories

ESL 40X17	0808095	10
EMT (40X17)R	0817293	1
US-EMP (40X17)	0829437	10
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Technical data

PA
-40 ... 100
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
LM	1004377	100

Accessories

ESL 24X4	0808231	10
EMT (24X4)R	0816265	1

Technical data

PA
-40 ... 100
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KME	0807083	50

Accessories

EMLC (20X8)R	0815680	1
EML (20X8)R	0816786	1
US-EML (20X8)	0800458	10
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Plastic cable marker for insert labels, for assembly with cable binders

Notes:

For matching cable binders, see page 658 onwards or the product area on our website at phoenixcontact.net/products.





Lettering field size: 25 x 6 mm, for cable diameter > 6 mm

- KMK HP ... plastic cable markers mark and bundle conductors and cables indoors
- Inflammability class V0 acc. to UL 94
- The KMK HP.. cable markers are particularly suitable for use in the railway industry, transportation technology, and building technology, thanks to their outstanding material properties
- The KMK... versions have eyelets and are attached with cable binders
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements
- **Designation example:**
  UCT-EMP (25x6)
  Lettering area width: 25 mm
  Lettering area height: 6 mm
  Type of packaging: sheet

Technical data

General data		
Material		PC
Flammability rating according to UL 94		V0
Temperature range	[°C]	-40 ... 125
Components		Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker carrier for cable binder assembly	transparent	**KMK HP (25X6)**	0830720	100

Accessories

UniCard, insert strip for KMK... cable marker carriers, can be marked with THERMOMARK CARD..., BLUEMARK CLED, and TOPMARK LASER 1 sheet = 15 labels 1 sheet = 15 labels 1 sheet = 3 labels 1 sheet = 3 labels	**UCT-EMP (25X6)**	1014117	10
Roll, insert labels, can be marked with thermal transfer printer 1 roll = 5000 markers 1 roll = 5400 markers 1 roll = 2500 markers 1 roll = 2300 markers	**EMT (25X6)R**	0817264	1
Cable binder, inflammability class according to UL 94: V0, halogen-free, temperature range: -40°C ... 85°C, maximum bundle Ø [mm]/minimum tensile strength [N]			
35 / 130	**WT-HP HF 3,6X140**	0830982	100
50 / 220	**WT-HP HF 4,8X200**	0830983	100
79 / 220	**WT-HP HF 4,5X290**	0830984	100
Magazine, for THERMOMARK CARD ..., for accommodating UCT-EMP ...	**THERMOMARK CARD-UCT-MAG26**	0802988	1
Magazine for THERMOMARK PRIME for accommodating UCT-EMP ...	**TMP-UCT-MAG26**	0803370	1





Lettering field size: 29 x 8 mm, for cable diameter > 6 mm



Lettering field size: 60 x 15 mm, for cable diameter > 9 mm



Lettering field size: 40 x 17 mm, for cable diameter > 9 mm

Technical data

PC
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (29X8)	0830721	100

Accessories

UCT-EMP (29X8)	1014118	10
EMT (29X8)R	0817277	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1
TMP-UCT-MAG26	0803370	1

Technical data

PC
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (60X15)	0830722	50

Accessories

UCT-EMP (60X15)	1014119	10
EMT (60X15)R	0801846	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1
TMP-UCT-MAG26	0803370	1

Technical data

PC
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (40X17)	0830723	50

Accessories

UCT-EMP (40X17)	1014120	10
EMT (40X17)R	0817293	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1
TMP-UCT-MAG26	0803370	1

Plastic cable marker for insert labels, for assembly with cable binders



- KMK UV ... plastic cable markers mark and bundle conductors and cables outdoors
- The KMK UV... cable markers are transparent, impact resistant, and have excellent weathering resistance. At the same time, they also possess outstanding chemical resistance
- The KMK... versions have eyelets and are attached with cable binders
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements
- **Designation example: UCT-EMP (25x6)**
  Lettering area width: 25 mm
  Lettering area height: 6 mm
  Type of packaging: roll



Notes:

For matching cable binders, see page 658 onwards or the product area on our website at phoenixcontact.net/products.

[1]) WT-UV HF...BK cable binders are weatherproof and UV resistant according to ISO 4892 (after QUV-B 600 hours) for up to 10 years.



Lettering field size: 25 x 6 mm, for cable diameter > 6 mm

Technical data

General data		
Material		PA
Flammability rating according to UL 94		HB
Temperature range	[°C]	-40 ... 100
Components		Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker carrier for cable binder assembly	transparent	**KMK UV (25X6)**	1014106	100

Accessories

UniCard, insert strip for KMK... cable marker carriers, can be marked with THERMOMARK CARD..., BLUEMARK CLED, and TOPMARK LASER 1 sheet = 15 labels 1 sheet = 15 labels 1 sheet = 3 labels 1 sheet = 3 labels	**UCT-EMP (25X6)**	1014117	10
UniSheet, insert labels, can be marked with thermal transfer printer 1 UniSheet = 84 labels 1 UniSheet = 48 labels 1 UniSheet = 9 labels 1 UniSheet = 16 labels	**US-EMP (25X6)-1**	0802754	10
Roll, insert labels, can be marked with thermal transfer printer 1 roll = 5000 markers 1 roll = 5400 markers 1 roll = 2500 markers 1 roll = 2300 markers	**EMT (25X6)R**	0817264	1
Cable binder, halogen-free, inflammability class according to UL 94: V2, maximum bundle Ø [mm] / min. tensile strength [N][1])			
35 / 130	**WT-UV HF 3,6X140 BK**	3240832	100
50 / 220	**WT-UV HF 4,5X200 BK**	3240834	100
79 / 220	**WT-UV HF 4,5X290 BK**	3240835	100
Magazine, for THERMOMARK CARD ..., for accommodating UCT-EMP ...	**THERMOMARK CARD-UCT-MAG26**	0802988	1
Magazine for THERMOMARK PRIME for accommodating UCT-EMP ...	**TMP-UCT-MAG26**	0803370	1
Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2–TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1



Lettering field size: 29 x 8 mm, for cable diameter > 6 mm



Lettering field size: 60 x 15 mm, for cable diameter > 9 mm



Lettering field size: 40 x 17 mm, for cable diameter > 9 mm

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK UV (29X8)	1014107	100

Accessories

UCT-EMP (29X8)	1014118	10
US-EMP (29X8)	0829436	10
EMT (29X8)R	0817277	1
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
THERMOMARK CARD-UCT-MAG26	0802988	1
TMP-UCT-MAG26	0803370	1
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK UV (60X15)	1014108	50

Accessories

UCT-EMP (60X15)	1014119	10
US-EMP (60X15)	0828781	10
EMT (60X15)R	0801846	1
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
THERMOMARK CARD-UCT-MAG26	0802988	1
TMP-UCT-MAG26	0803370	1
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Technical data

PA
HB
-40 ... 100
Halogen-free

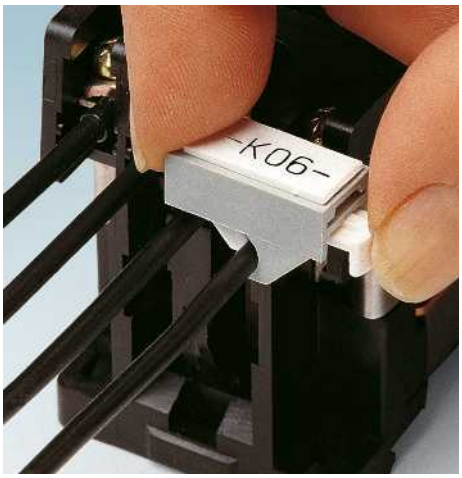
Ordering data

Type	Order No.	Pcs./Pkt.
KMK UV (40X17)	1014109	50

Accessories

UCT-EMP (40X17)	1014120	10
US-EMP (40X17)	0829437	10
EMT (40X17)R	0817293	1
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
THERMOMARK CARD-UCT-MAG26	0802988	1
TMP-UCT-MAG26	0803370	1
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

GKM ... conductor marker



- The GMK... conductor markers mark large areas on conductors
- Flexible application, thanks to spring-loaded conductor attachment
- Particularly suitable for temporary marking
- Quick and easy to use



Conductor diameter from 0 to 5.2 mm

Technical data

General data		
Material		PA/ABS
Temperature range	[°C]	-40 ... 80
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Conductor marker, For conductor diameters of 0 - 5.2 mm	gray	**GKM 1 GY**	1750498	100
For conductor diameters of 4.8 - 11 mm	gray			

Accessories

Contactor label zack marker strip, 5-section, can be marked with X-PEN, B-STIFT, plotter or label 20 x 8				
Lettering field size: 20 x 8 mm	white	**SS-ZB WH**	5031171	50
Lettering field size: 20 x 8 mm	yellow	**SS-ZB YE**	5031650	50
UniCard, for marking devices from the following manufacturers: ABB, CONTA-CLIP, Escha, Festo, ifm-electronik, Harting, Moeller, Phoenix Contact, Siemens				
Lettering field size: 20 x 9 mm	white	**UC-EM (20X9)**	0825503	10
Lettering field size: 20 x 9 mm	yellow	**UC-EM (20X9) YE**	0827637	10
UniCard, for marking devices from the following manufacturers: ABB, CONTA-CLIP, Escha, Festo, ifm-electronik, Lumberg, Moeller, Murr Elektronik, Pepperl & Fuchs, Phoenix Contact, Siemens, Turck, Weidmüller				
Lettering field size: 20 x 9 mm	white	**UCT-EM (20X9)**	0801471	10
Lettering field size: 20 x 9 mm	yellow	**UCT-EM (20X9) YE**	0801472	10
Magazine, for THERMOMARK CARD for accommodating UCT-EM (20x9)		**THERMOMARK CARD-UCT-MAG15**	0830402	1
Magazine for THERMOMARK PRIME For accommodating UCT-EM (20x9)		**TMP-UCT-MAG15**	0803357	1



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
THERMOMARK CARD-UCT-MAG15	0830402	1
TMP-UCT-MAG15	0803357	1

Type key for SD-WMTBS ...



Ordering example
For letters, numbers, and symbols, there are items that have to be configured.
Ordering the letter A in yellow =
0826611: A - SD-WMTBS (CH)YE

Example 0826514 SD-WMTBS (S) YE

0826514	SD-WMTBS	(S)	YE
Order number	**Product type**	**Printing**	**Color**
0826637	SD-WMTBS (NEUTRAL) CC	(NEUTRAL) = unprinted	YE = yellow
0826514	SD-WMTBS (S) YE	(S) = printed with numbers 0 - 9	YE = yellow
0826611: letter	SD-WMTBS (CH) YE	(CH) = letters A - Z	YE = yellow
0826624: symbol	SD-WMTBS (SY) YE	(SY) = symbols + - / . GND	YE = yellow
0826527	SD-WMTBS (NU) CC	(NU) = printed with numbers 0 - 9	CC = international color code
0826556:numbers	SD-WMTBS (NU) VA	(NU) = printed with numbers 0 - 9	VA = stainless steel
0826640:letters	SD-WMTBS (CH) VA	(CH) = letters A - Z	VA = stainless steel
0826653:symbol	SD-WMTBS (SY) VA	(SY) = symbols + - / . GND	VA = stainless steel

International color code



Print	Marker color	Font color
0	Black	White
1	Brown	White
2	Red	White
3	Orange	Black
4	Yellow	Black
5	Green	White
6	Blue	White
7	Violet	White
8	Gray	Black
9	White	Black

Cable marking for carrier assembly



- Cable markers for marking cables and conductors with larger cross sections
- The printed individual markers are pushed onto the corresponding holders

Notes:

[1]) For an ordering example, see page 252.

The marker carrier is secured with cable binders. Coordinating cable binders up to 4.8 mm width, see from page 658.



Individual marker with carrier for cable diameter > 16 mm

Technical data

General data		
Material		PVC
Flammability rating 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])				
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 high-grade steel markers are pushed onto the corresponding holders
- They are secured using high-grade steel cable binders
- Easy assembly with UNIFOX-CT M7,9

Notes:

1) For ordering example, see page 252.

For further stainless steel cable binders, see page 664.



Stainless steel marker with carrier for assembly with cable binders

Technical data

General data	
Material	Stainless steel

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable markers, 5 strips, each with 10 markers[1])				
Unprinted	silver	**SD-WMTBS (NEUTRAL) VA**	0826666	50
Printed: with numbers 0-9	silver	**SD-WMTBS (NU) VA**	0826556	50
Printed: with upper case letters A-Z	silver	**SD-WMTBS (CH) VA**	0826640	50
Printed: with symbols + - / . GND	silver	**SD-WMTBS (SY) VA**	0826653	50
Label holder				
For max. 6 characters	silver	**SD-WMTB (30X10) VA**	0826569	50
For max. 9 characters	silver	**SD-WMTB (47X10) VA**	0826572	50
For max. 13 characters	silver	**SD-WMTB (70X10) VA**	0826585	50
For max. 17 characters	silver	**SD-WMTB (92X10) VA**	0826598	50
For max. 20 characters	silver	**SD-WMTB (111X10) VA**	0826608	50

Accessories

Cable 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



High-grade steel cable marking for embossing or laser engraving



- The KMV... steel cable markers are used in areas where cables and pipes are exposed to high temperatures and chemically aggressive atmospheres
- The markers can be engraved or imprinted with a letter and number punch
- They are secured using high-grade steel cable binders
- Easy assembly with UNIFOX-CT M7,9

Notes:

For further stainless steel cable binders, see page 664.



Stainless steel marker for assembly with cable binders

Technical data

General data	
Material	Stainless steel 304

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Steel cable markers, rustproof, non-magnetic, label size: 89 x 19 mm, lettering field size: 65 x 19 mm	silver	**KMV**	0806644	100
Steel cable markers, rustproof, non-magnetic, label size: 44 x 9.6 mm, lettering field size: 23 x 9 mm	silver	**KMV 44X9,6**	0812007	100

Accessories

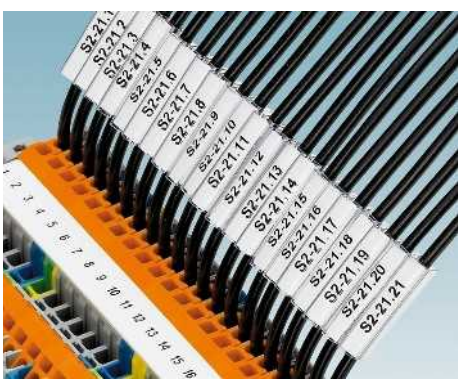
Cable binder, made of stainless steel (AISI 304), width 4.6 mm, maximum bundle Ø [mm]/minimum tensile strength [N] **30 / 890**	silver	**WT-STEEL S 4,6X150**	3240807	100



Marking collars for insert labels



- These conductor marking systems consist of marker carriers and insert labels
- The PATG ... collar is a captive marker carrier
- Marks conductors with a diameter of 0.6 ... 50 mm
- The corresponding UC-WMT ..., UCT-WMT ..., US-WMT ..., and EMT ... insert labels are used for marking





Closed marker carrier, for sliding on

Technical data

General data		
Material		PVC
Flammability rating 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 diameter: 2.0-4.0 mm	transparent	**PATG 2/10**	1013818	1000
Conductor diameter: 4.0-7.0 mm	transparent	**PATG 3/10**	1013821	500
Wire marker carrier, closed, **12 mm** wide				
Conductor diameter: 0.6-1.2 mm	transparent	**PATG 0/12**	0827076	1000
Conductor diameter: 1.5-2.5 mm	transparent	**PATG 1/12**	0827077	1000
Conductor diameter: 2.0-4.0 mm	transparent	**PATG 2/12**	0827078	1000
Conductor diameter: 4.0-7.0 mm	transparent	**PATG 3/12**	0827079	500
Conductor diameter: 6.0-10.0 mm	transparent	**PATG 4/12**	0827080	500
	transparent	**PATG 5/12**	0803312	200
Wire marker carrier, closed, **15 mm** wide				
Conductor diameter: 0.6-1.2 mm	transparent	**PATG 0/15**	1013740	1000
Conductor diameter: 1.5-2.5 mm	transparent	**PATG 1/15**	1013025	1000
Conductor diameter: 2.0-4.0 mm	transparent	**PATG 2/15**	1013038	1000
Conductor diameter: 4.0-7.0 mm	transparent	**PATG 3/15**	1013041	500
Conductor diameter: 6.0-10.0 mm	transparent	**PATG 4/15**	1013054	500
Conductor diameter: 10.0-14.0 mm	transparent	**PATG 5/15**	1013067	200
Conductor diameter: 14.0-22.0 mm	transparent	**PATG 6/15**	1013070	200
Conductor diameter: 22.0-30.0 mm	transparent	**PATG 7/15**	1013083	50
Conductor diameter: 30.0-35.0 mm	transparent	**PATG 8/15**	1013096	50
Conductor diameter: 35.0 - 45.0 mm	transparent	**PATG 9/15**	1013106	50
Wire marker carrier, closed, **18 mm** wide				
Conductor diameter: 0.6-1.2 mm	transparent	**PATG 0/18**	0820507	1000
Conductor diameter: 1.5-2.5 mm	transparent	**PATG 1/18**	0820510	1000
Conductor diameter: 2.0-4.0 mm	transparent	**PATG 2/18**	0820523	1000
Conductor diameter: 4.0-7.0 mm	transparent	**PATG 3/18**	0820536	500
Conductor diameter: 6.0-10.0 mm	transparent	**PATG 4/18**	0820549	500
Conductor diameter: 10.0-14.0 mm	transparent	**PATG 5/18**	0828059	200
Conductor diameter: 14.0-22.0 mm	transparent	**PATG 6/18**	0828062	200
Wire marker carrier, closed, **23 mm** wide				
Conductor diameter: 0.6-1.2 mm	transparent	**PATG 0/23**	0828046	1000
Conductor diameter: 1.5-2.5 mm	transparent	**PATG 1/23**	1013847	1000
Conductor diameter: 2.0-4.0 mm	transparent	**PATG 2/23**	1013850	500
Conductor diameter: 4.0-7.0 mm	transparent	**PATG 3/23**	1013863	500
Conductor diameter: 6.0-10.0 mm	transparent	**PATG 4/23**	0808011	200
Conductor diameter: 10.0-14.0 mm	transparent	**PATG 5/23**	0808024	200
Conductor diameter: 14.0-22.0 mm	transparent	**PATG 6/23**	0808037	100
Conductor diameter: 22.0-30.0 mm	transparent	**PATG 7/23**	0808040	50
Conductor diameter: 30.0-35.0 mm	transparent	**PATG 8/23**	0808053	50
Wire marker carrier, closed, **30 mm** wide				
Conductor diameter: 1.5-2.5 mm	transparent	**PATG 1/30**	0822440	500
Conductor diameter: 2.0-4.0 mm	transparent	**PATG 2/30**	0822453	500
Conductor diameter: 4.0-7.0 mm	transparent	**PATG 3/30**	0822466	200
Conductor diameter: 6.0-10.0 mm	transparent	**PATG 4/30**	0822479	200
Conductor diameter: 10.0-14.0 mm	transparent	**PATG 5/30**	0822482	200

Marking collars for insert labels

– Can be marked using UC-WMT ..., US-WMT ..., and UCT-WMT... plastic labels or EMT ... insert strips

PATO ...

– These marking collars are used for subsequent marking of systems that have already been wired

PAB-KTL ...

– Marking collars for identifying and bundling conductors



Open marker carrier, for clipping on



Marker carrier for assembly with cable binders

		Technical data	Technical data
General data			
Material		PVC	PVC
Flammability rating 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 diameter: 2.0-3.5 mm	transparent	**PATO 1/10**	1013876	1000			
Conductor diameter: 2.8 - 4.4 mm	transparent	**PATO 2/10**	1013889	1000			
Wire marker carrier, open, **12 mm** wide							
Conductor diameter: 2.0-3.5 mm	transparent	**PATO 1/12**	0827081	1000			
Conductor diameter: 2.8 - 4.4 mm	transparent	**PATO 2/12**	0827082	1000			
Wire marker carrier, open, **15 mm** wide							
Conductor diameter: 2.0-3.5 mm	transparent	**PATO 1/15**	1013119	1000			
Conductor diameter: 2.8 - 4.4 mm	transparent	**PATO 2/15**	1013122	1000			
Conductor diameter: 6.7 - 8.0 mm	transparent	**PATO 3/15**	1013135	500			
Conductor diameter: 6.7 - 10.0 mm	transparent	**PATO 4/15**	1013148	500			
Wire marker carrier, open, **18 mm** wide							
Conductor diameter: 2.0-3.5 mm	transparent	**PATO 1/18**	0823740	500			
Conductor diameter: 2.8 - 4.4 mm	transparent	**PATO 2/18**	0823753	500			
Wire marker carrier, open, **23 mm** wide							
Conductor diameter: 2.0-3.5 mm	transparent	**PATO 1/23**	1013892	500			
Conductor diameter: 2.8 - 4.4 mm	transparent	**PATO 2/23**	1013902	500			
Wire marker carrier, open, **30 mm** wide							
Conductor diameter: 2.0-3.5 mm	transparent	**PATO 1/30**	0822495	500			
Conductor diameter: 2.8 - 4.4 mm	transparent	**PATO 2/30**	0822505	500			
Cable marker carrier, lettering field along the length of cable, marking 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, marking with UC-WMT and PABA.../23	transparent				**PAB-KTL 23**	1013957	200
Plastic cable marker for PKE insert label, can be marked with PKE insert label, marking field: 9 mm x 20 mm, with eyelets for fastening to PKB cable binders							
	transparent				**PKT 9X20**	0803977	240

Halogen-free marking collars for insert labels



- These conductor marking systems consist of marker carriers and insert labels
- The PATG HF.. sleeve is a captive marker carrier
- Marks conductors with a diameter of 1.3 mm ... 10 mm
- The corresponding UC-WMT… and UCT-WMT… insert labels are used for marking
- These conductor marking systems are particularly suitable for use in the railway and automotive industry, traffic technology, and building technology, thanks to their outstanding material properties
- Comprehensive approvals, such as the NF F 16-101/16-102, DIN EN 45545-2, and DIN 5510-2 ensure international use
- Strengthening ribs ensure central fixing of the conductor or cable



Notes:

High-quality fluid printing with the BLUEMARK is required when using the UC-WMT… insert labels.



Closed marker carrier, for sliding on

Technical data

General data		
Material		TPU
Flammability rating according to UL 94		V0
Temperature range	[°C]	-40 ... 100
Components		free from silicone, halogen, and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Wire marker carrier, closed, **10 mm** wide				
Cable diameter: 1.3 - 2.8 mm	transparent/black	**PATG HF 1/10**	1014044	1000
Cable diameter: 2.0 - 4.0 mm	transparent/black	**PATG HF 2/10**	1014050	1000
Cable diameter: 4.0 - 7.0 mm	transparent/black	**PATG HF 3/10**	1014056	500
Wire marker carrier, closed, **12 mm** wide				
Cable diameter: 1.3 - 2.8 mm	transparent/black	**PATG HF 1/12**	1014045	1000
Cable diameter: 2.0 - 4.0 mm	transparent/black	**PATG HF 2/12**	1014051	1000
Cable diameter: 4.0 - 7.0 mm	transparent/black	**PATG HF 3/12**	1014057	500
Cable diameter: 5.0 - 10.0 mm	transparent/black	**PATG HF 4/12**	1014063	500
Wire marker carrier, closed, **15 mm** wide				
Cable diameter: 1.3 - 2.8 mm	transparent/black	**PATG HF 1/15**	1014046	1000
Cable diameter: 2.0 - 4.0 mm	transparent/black	**PATG HF 2/15**	1014052	1000
Cable diameter: 4.0 - 7.0 mm	transparent/black	**PATG HF 3/15**	1014058	500
Cable diameter: 5.0 - 10.0 mm	transparent/black	**PATG HF 4/15**	1014064	500
Wire marker carrier, closed, **18 mm** wide				
Cable diameter: 1.3 - 2.8 mm	transparent/black	**PATG HF 1/18**	1014047	1000
Cable diameter: 2.0 - 4.0 mm	transparent/black	**PATG HF 2/18**	1014053	1000
Cable diameter: 4.0 - 7.0 mm	transparent/black	**PATG HF 3/18**	1014059	500
Cable diameter: 5.0 - 10.0 mm	transparent/black	**PATG HF 4/18**	1014065	500
Wire marker carrier, closed, **23 mm** wide				
Cable diameter: 1.3 - 2.8 mm	transparent/black	**PATG HF 1/23**	1014048	1000
Cable diameter: 2.0 - 4.0 mm	transparent/black	**PATG HF 2/23**	1014054	500
Cable diameter: 4.0 - 7.0 mm	transparent/black	**PATG HF 3/23**	1014060	500
Cable diameter: 5.0 - 10.0 mm	transparent/black	**PATG HF 4/23**	1014066	200
Wire marker carrier, closed, **30 mm** wide				
Cable diameter: 1.3 - 2.8 mm	transparent/black	**PATG HF 1/30**	1014049	500
Cable diameter: 2.0 - 4.0 mm	transparent/black	**PATG HF 2/30**	1014055	500
Cable diameter: 4.0 - 7.0 mm	transparent/black	**PATG HF 3/30**	1014061	200
Cable diameter: 5.0 - 10.0 mm	transparent/black	**PATG HF 4/30**	1014067	200


STEP POWER
H1-17.1
H1-17.2
H1-17.3
Input AC
100-240V
H1-17.1
H1-17.2
H1-17.3
H1-17.4
H1-17.5

Equipment 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 equipment marking. From adhesive labels to high-quality engraving labels, the wide marker range caters for every application.

A variety of printing systems is available for marking or engraving.

Product range overview

Equipment marking **262**

Equipment marking overview

The right marking solution for every device

Phoenix Contact **264**

Other manufacturers **270**

LS-EM... stainless steel, aluminum, plastic, and laser foil equipment marking

Designed to be stuck on, screwed in or riveted or snapped into marker carriers **290**

EM... AL aluminum and EM...-V4A stainless steel equipment marking

Designed to be stuck on, screwed in or riveted or snapped into marker carriers **301**

UC-EM... and UCT-EM... UniCard equipment marking

Designed to be stuck on, screwed in or riveted or snapped into marker carriers **304**

Snap-in, for devices from Phoenix Contact and other manufacturers **312**

US-EM... UniSheet equipment marking

Designed to be stuck on, screwed in or riveted or snapped into marker carriers, labels, and combi labels **318**

EM... equipment marking, labels supplied in rolls

Labels for buttons, continuous and textile labels, labels for rough surfaces, for high-temperature and ESD applications, removable labels, labels with anti-tamper protection **328**

Insert strips for devices from Phoenix Contact and other manufacturers **344**

BMK... equipment marking, labels supplied as DIN A sheets **346**

GPE... and EMLP... equipment marking, markers for printing or engraving **348**

Marker carriers and profiles **350**



Clear marking of electrical and electronic control cabinet components is essential for safe and efficient work. As with comprehensive technical documentation, marking all operating equipment increases the availability of the switchgear. This simplifies maintenance.

Last but not least, equipment identification improves the quality of the control cabinets and systems. Phoenix Contact offers a wide range of different marking materials; labels and signs made from plastic, aluminum, and stainless steel.

The marking materials are affixed depending on their design, either using adhesives, snapping into existing carriers, or by means of rivet or screw mounting. The combination of printing system and marking material ensures high quality with regards to optics, wipe and scratch resistance.

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

– TOPMARK LASER, laser marker for marking UniCard formats, as well as stainless steel and aluminum labels
– BLUEMARK CLED, high-speed printer with UV technology for marking UniCard formats and aluminum markers
– THERMOMARK CARD and THERMOMARK PRIME, thermal transfer card printer for marking UniSheet and UniCard formats
– THERMOMARK ROLL, thermal transfer roll printer for marking rolls and continuous media
– THERMOMARK ROLLMASTER 300 and ROLLMASTER 600, industrial thermal transfer roll printer for large printing volumes of rolls and continuous media
– THERMOFOX, thermal transfer printer in handheld format, for marking labels in cassette format
– PLOTMARK, marking plotter for marking UniCard formats as well as materials in strip and sheet format
– ENGRAVING UNIT, engraving unit for the marking plotter, for marking 2-layer plastic materials in sheet format
– Commercial desktop laser printer, for marking material in sheet format

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

If you do not have the option of creating markings yourself, you can turn to our marking service. We will be happy to handle your printing orders. This also includes engraving or laser marking of stainless steel cable markers.



Device markers are available in various sizes, materials, and colors. The self-adhesive labels have been designed for use in a wide temperature range.



Drilled labels are available for marking devices and control cabinets. These can be securely attached to the device using screws or rivets.



The CARRIER marking system is the perfect choice for marking buttons. The system consists of a carrier plus marking label and can be used in control cabinets as well as in the field.



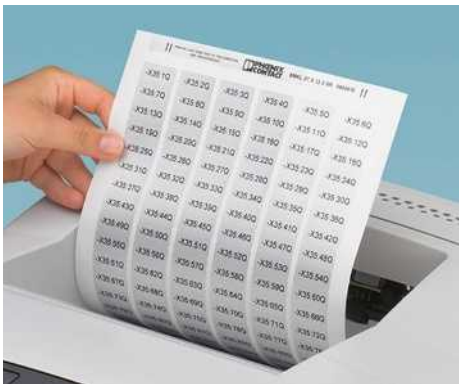
High-temperature labels are ideal for marking PCBs. These labels can safely and permanently withstand temperatures of -40°C to 180°C; or a temperature of 300°C for up to 60 seconds.



Tamper-proof labels are used as rating plates or seals. When detaching, a part of the metalized layer separates. The part leaves a pattern on the label and substrate.



GPE label sheets consist of a two-layer material that is ideal for engraving. However, the pre-fabricated self-adhesive labels can also be marked directly by hand or using a plotter.



In the case of small print volumes, labels are also printed using commercially available desktop laser printers. Copy sheets are provided with margins to make it easier to remove individual labels.



The self-adhesive markers are available in various shapes and sizes. They can be used to mark components, devices, and buttons and are highly resistant to chemical and mechanical effects.



Self-adhesive marker carriers are used in conjunction with marking labels for the purpose of marking devices and modules. The carriers can be stuck onto all standard surfaces.

Equipment marking for Phoenix Contact



	UC-TMF 5 0818153	UC-TMF 8 0818137	UC-TMF 10 0818124	UC-TMF 16 0819262	UC-TM 5 0821302	UC1U-TM 5 0821302
	UCT-TMF 5 0828744	UCT-TMF 8 0828748	UCT-TMF 10 0829204	UCT-TMF 16 0829218	UCT-TM 5 0828734	UCT1U-TM 5 0803204
						UM1U-TM (5x10) 0830910
Cross-reference list catalog 2 Sensor/actuator cabling and connectors						
M12 SPEEDCON SAC-… P valve plug adapter						
M12 SPEEDCON double valve adapter design A						
SACB with M8 slots			■			
SACB with M12 slots				■		
SACB with M5 slots						■
M12 Y-distributor for SACB-4/T … power connectors						
M8 distributor box with plug-in master cable connection			■			
M8 distributor boxes with M12/M16 plug-in connection			■			
M12 distributor boxes with plastic thread and connector hood						
M1 distributor boxes with metal thread with screw connection						
Shielded M12 distributor boxes				■		
QUICKON distributor boxes with 0.14 -0.34 mm² connection cross section						
QUICKON distributor boxes with 0.34 -0.75 mm² connection cross section				■		
VS-CABLE … data connectors	■					
VS-SCRJ …, VS-IL-2X … data connectors		■				
Digital I/O devices with M8 connection technology			■			
Digital I/O devices with M12 connection technology						
Sensor/actuator cabling accessories		■				
ASI CC DIST… AS-Interface distributor						
VS-SI … data front plate						
HC-M … modular contact insert						
HEAVYCON HC-B … A heavy-duty connector						
HEAVYCON HC-D … A heavy-duty connector					■	

Equipment marking for Phoenix Contact



UC-TM 6 0818085	UC1-TM 8 0821739		UC-EM (17,5x9) 0828490	UC-EM (20x7) 0825499	UC-EM (20x9) 0825503	UC-WMT (23x4) 0819411
UCT-TM 6 0828736		UCT-EM (7x10) 0830765	UCT-EM (17,5x9) 0801491	UCT-EM (20x7) 0801494	UCT-EM (20x9) 0801471	UCT-WMT (23x4) 0801453
	UM1-TM (8x10) 0830906					EMT (23x4)R 0817361

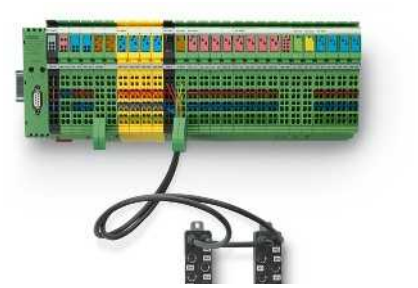
Cross-reference list catalog 2 Sensor/actuator cabling and connectors							
M12 SPEEDCON SAC-… P valve plug adapter		■					
M12 SPEEDCON double valve adapter design A		■				■	
SACB with M8 slots							
SACB with M12 slots							
SACB with M5 slots							
M12 Y-distributor for SACB-4/T … power connectors			■				
M8 distributor box with plug-in master cable connection							
M8 distributor boxes with M12/M16 plug-in connection							
M12 distributor boxes with plastic thread and connector hood				■			
M1 distributor boxes with metal thread with screw connection				■			
Shielded M12 distributor boxes							
QUICKON distributor boxes with 0.14 -0.34 mm² connection cross section				■			
QUICKON distributor boxes with 0.34 -0.75 mm² connection cross section							
VS-CABLE … data connectors							
VS-SCRJ …, VS-IL-2X … data connectors							
Digital I/O devices with M8 connection technology							
Digital I/O devices with M12 connection technology				■			
Sensor/actuator cabling accessories							■
ASI CC DIST… AS-Interface distributor							
VS-SI … data front plate					■		
HC-M … modular contact insert						■	
HEAVYCON HC-B … A heavy-duty connector	■						
HEAVYCON HC-D … A heavy-duty connector							

Equipment marking for Phoenix Contact



	UC-TMF 5 0818153	UC-TMF 12 0818233	UC-TMF 16 0819262	UC-TM 6 0818085
	UCT-TMF 5 0828744	UCT-TMF 12 0829214	UCT-TMF 16 0829218	UCT-TM 6 0828736
Cross-reference list Catalog 4 Surge protection, device circuit breakers, and power supplies				
FLASHTRAB compact lightning current arrester		■	■	
FLASHTRAB compact PLUS lightning current arrester		■	■	
FLASHTRAB lightning current arrester		■	■	
FLASHTRAB SEC lightning current arrester		■	■	
VALVETRAB compact surge protective device	■			
VALVETRAB MS surge protective device		■	■	
VALVETRAB-SEC surge protective device		■	■	
MAINS-PLUGTRAB device protection		■	■	
PLUGTRAB SEC device protection		■	■	
PLUGTRAB with PT-IQ function monitoring		■	■	
PLUGTRAB MCR		■	■	
LINETRAB				■
Terminal blocks with TT surge protection				■
CB TM ... plug-in thermomagnetic circuit breaker		■		

Equipment marking for Phoenix Contact

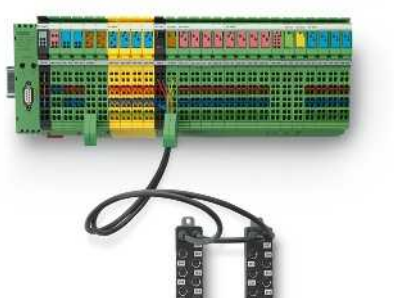


	UC-TMF 6 0818140	UC-TMF 8 0818137	UC-TMF 12 0819233	UC-TMF 16 0819262	UC-TM 6 0818085	
	UCT-TMF 6 0828746	UCT-TMF 8 0828748	UCT-TMF 12 0829214	UCT-TMF 16 0829218	UCT-TM 6 0828736	UCT-EM (7x10) 0830765
Cross-reference list Catalog 6 Automation						
Safety relay modules				■		
Inline	■					
INTERBUS ST …	■				■	
Fieldline … M8		■				
Fieldline … M12			■			
Axioline F series						
Axioline E series						■



	UC-TMF 6 0818140	UC-TMF 12 0819233	UC-TMF 16 0819262	UC-TM 6 0818085		UC-EM (17,5x9) 0828490
	UCT-TMF 6 0828746	UCT-TMF 12 0829214	UCT-TMF 16 0829218	UCT-TM 6 0828736	UCT-EM (30x5) 0801505	UCT-EM (17,5x9) 0801491
Cross-reference list Catalog 5 Interface technology and switching devices						
ELR-H …hybrid motor starters			■			
ELR-W … solid-state contactors						
MINI Analog signal conditioners	■					
MINI Analog Pro signal conditioners					■	
MACX Analog signal conditioners						
Interface Relay PLC power terminal						■
PLC-B …, PLC-O …, PLC-R … interface relay				■		
DEK-REL … relay terminal block				■		
DEK-OE … special relay				■		
DEK-TR … inverter module				■		
UM 45 … COMPACT-LINE		■				
PI-EX... PROCESS Interface	■					
RIFLINE complete				■		

Equipment marking for Phoenix Contact



	UC-EM (20x9) 0825503						
	UCT-EM (20x9) 0801471	US-EML (20x8) 0800458					
		EML (20x8)R 0816786	EMT (35x18,7)R 0801831	EMT (35x28)R 0801602	EMT (35x46)R 0801604	EMT (62x10)R 0800057	EMT (62x46)R 0800059
Cross-reference list Catalog 6 Automation							
Safety relay modules	■	■				■	
Inline						■	■
INTERBUS ST …							
Fieldline … M8							
Fieldline … M12							
Axioline F series			■	■	■		
Axioline E series							



	UC-EM (20x9) 0825503	UC-EMLP (11x9) 0819291	UC-EMLP (15x5) 0819301
	UCT-EM (20x9) 0801471		
		US-EMLP (11 x 9) 0828789	US-EMLP (15x5) 0828790
Cross-reference list Catalog 5 Interface technology and switching devices			
ELR-H …hybrid motor starters			
ELR-W … solid-state contactors	■		
MINI Analog signal conditioners	■		
MINI Analog Pro signal conditioners			■
MACX Analog signal conditioners		■	
Interface Relay PLC power terminal	■		
PLC-B …, PLC-O …, PLC-R … interface relay			
DEK-REL … relay terminal block			
DEK-OE … special relay			
DEK-TR … inverter module	■		
UM 45 … COMPACT-LINE			
PI-EX... PROCESS Interface			
RIFLINE complete			

Equipment marking for other manufacturers

	UC-EM (17,5x7,5) 0825495		UC-EM (17,5x8) 0823766	UC-EM (17,5x9) 0827490	UC-EMLP (20x8) 0819327	UC-EM (20x9) 0825503	UC-EM (21x8) 0825507
	UCT-EM (17,5x7,5) 0801482	UCT-EM (17x8) 0801842	UCT-EM (17,5x8) 0801496	UCT-EM (17x9) 0801475		UCT-EM (20x9) 0801477	UCT-EM (21x8) 0801489
					US-EMLP (20x9) 0828795		
Cross-reference list ABB Automation							
Miniature circuit breaker S 221... S 223... S 281... S 284	■						
Residual current protective device F271... F 172…	■						
Switch, button, indicator light E 221…, E 222…, E 223…, E 225…, E 226…, E 227…	■						
Power dimmer STD…	■						
Power supply unit NTLS…	■						
Power consumption meter RS 232…	■						
Installation contactors ESB… EN…	■						
Miniature circuit breakers LE1... LE3... LP 1-3... LPUC 1/2, LP1NA... LP3NA…	■						
Residual current protective device F... FIP... FIK... FI-LP... FIS…	■						
FI signal generator FISG…	■						
Load switch IS…	■						
Surge protective device SA 4…	■						
Logic modules	■						
Logic and extension module LM… DO... DX…			■				
Miniature circuit breaker				■			
Switching contacts A9, A12, A16, A26, A30, A40, A50, A63, A75, A95, A110, A145, A185, A210, A260, A300, AF 400, AF460, AF580, AF750		■					■
Mini contacts B6, B7		■					■
SZ-KZS						■	
A9-30-10					■		

Equipment marking for other manufacturers

	UCT-EM (17x10) 0801483
Cross-reference list Allen Bradley Automation	
100-C09Z*10, 100-F A22, 100-F-A40	
Motor starter 140M x	

	UC-TMF 12 0819233	UC-EM (10x8) 0825491
	UCT-TMF 12 0829214	UCT-EM (10x8) 0801485
Cross-reference list Bosch/Rexroth Automation		
Bosch/distributor		
RF-FLS PB 12MI DIO 4/4 M12-2A		
RF-FLS PB M12 DI 8M12		
RF-FLS PB M12 DIO 8/8 M12		
RF-FLS PB M12 DO M12-2A		

Equipment marking for other manufacturers

	UC1-TMF 5 0821425		
	UCT1-TMF 5 0829237	UCT-EM (10x5) 0801498	UCT-EM (12x7) 0801501
	UM1-TMF (5x5) 0830902		
Cross-reference list Beckhoff Automation			
BC 2000, BC 3100, BC 4000, BC 9000, BC 9050	■		■
BK 3010, BK 3110			■
Bus terminal blocks KL ...	■		■
EtherCAT-Box EP ...			■
EtherCAT-Box EQ ...			■
Ether CAT-Box ER ...			■
EtherCAT terminal blocks EL ...	■		■
EtherCAT terminal blocks ES ...	■		■
Fieldbus Box IE		■	
Fieldbus Box IL		■	
Fieldbus Box IP		■	
SAI distributor (sensor/actuator interface)		■	

	UCT-EM (12x3.3) 0801502	UCT-EM (12x6) 0801503
Cross-reference list Bernecke + Rainer		
X20 system	■	■

Equipment marking for other manufacturers

	UC1-TM 6 0821247		UC-EM (20x9) 0825503
	UCT1-TM 6 0829483	UCT-EM (6x10) 0801493	UCT-EM (20x9) 0801471
	UM1-TM (6x10) 0830903		
Cross-reference list CONTA-CLIP Electronics			
Interface relay ... IRCIU		■	
Interface relay ...IRCPU		■	
Interface relay IRCOU		■	
Interface relay IRCU		■	
Interface relay MFR ...IRCPU		■	
PGSV, PSP			■
Plug relay terminal blockscrew/ spring-cage technology ... PRCU		■	
Plug relay screw technology PRCU	■		
Plug relay spring-cage technology ZPRCU	■		
Plug solid-state-compact ... PSCU	■		
Relay terminal block screw technology MFR PRCU	■		
Time relay terminal block MFR PSCU	■		

		UC-EM (20x7) 0825499		UC-EM (20x9) 0825503
	UCT-EM (10x5) 0801470	UCT-EM (20x7) 0801494	UCT-EM (20x8) 0801477	UCT-EM (20x9) 0801471
Cross-reference list Escha				
I/O distributor M8x1	■			
I/O distributor M12x1				■
Valve connector, A design		■		
Distribution block FK/FKS			■	■

Equipment marking for other manufacturers

		UC-EM (17,5x9) 0827490		UC-EM (20x9) 0825503
	UCT-EM (6x10) 0801493	UCT-EM (17x9) 0801475	UCT-EM (17x10) 0801483	UCT-EM (20x9) 0801471
Cross-reference list Festo Automation				
Compact Performance	■			
CPA10 / EV1	■			
CP-E16 valve island	■			
CP-E16-KL-CL	■			
CPV18-V1				■
Electronics CP-E16-M	■			
IBS 6x10	■			
IBS 9/17		■		
IBS 9/20				■
IBS 10/17			■	
MPV-E/A08-M8	■			
MPV-E/A08-M12	■			
MPV-E/A12-M8	■			
CPV pneumatics	■			

Equipment marking for other manufacturers

		UC-EM (10x8) 0825491	UC-EMLP (20x8) 0819327		UC-EM (20x9) 0825503
	UCT-EM (10x5) 0801470	UCT-EM (10x8) 0801485			UCT-EM (20x9) 0801471
			US-EMLP (20x9) 0828795	US-EMP (20x9) 0829439	
Cross-reference list Pepperl + Fuchs					
ASI VAA-2E-64SN (VAA pneumatics module)		■			
AS-i bus module		■			
G6 compact modules	■	■			
IPG-64-B7		■			
K series (module marking carriers)				■	
Power Repeater			■		
VAS-2A-K 12U					■
WA-4E-62-ZE					■

Equipment marking for other manufacturers

	UCT-EM (6x10) 0801493	UCT-EM (10x8) 0801485	UCT-EM (17x9) 0801475
Cross-reference list Finder			
Installation relay series 22			■
Intervention modules series 19.21		■	
Coupling relay series 38.21/38.51/38.61/38.81/38.91	■		
Impulse switch series 20			■
Monitoring relays series 70.61			■
Variclip (relay retaining bracket)			■
Variclip 020.24			■
Time relay series 80.82			■

	UC-TM 5 0818108	UC3-TM 5 0822369	UC-TM 6 0818085	UC3-TM 6 0822385	UC-EM (20x7) 0825499	UC-EM (20x9) 0825503
	UCT-TM 5 0828734	UCT3-TM 5 0829251	UCT-TM 6 0828736	UCT3-TM 6 0829252	UCT-EM (20x7) 0801494	UCT-EM (20x9) 0801471
		UM3-TM (5x8) 0830917		UM3-TM (6x8) 0830915		
Cross-reference list Harting						
Han-D-AV connection distributor	■	■				
Han-D-AV multiplier	■					
Han-E-AV connection distributor			■	■		
Han-ES-AV connection distributor				■		
Han-Port data connector					■	
Han-Port mounting frame					■	
Han-Port protective contact sockets					■	
Han-Snap contact insert holder						■
Han-Snap contact insert holder with carrier element						■
Han-Snap coupling						■
Han-Snap shell housing						■

Equipment marking for other manufacturers

	UC-EM (10x8) 0825491		UC-EM (17.5x8) 0823766	UC-EM (20x9) 0825503	UC-EM (21x8) 0825507	UC-EMLP (20x8) 0819327	UC-WMT (23x4) 0819411
	UCT-EM (10x8) 0801485	UCT-EM (17x8) 0801842	UCT-EM (17.5x8) 0801496	UCT-EM (20x9) 0801471	UCT-EM (21x8) 0801489		UCT-WMT (23x4) 0801453
						US-EMLP (20x9) 0828795	US-WMT (23x4) 0828769
Cross-reference list ifm-electronik							
AC 2480 active AS-i module	■						
AC 20 ... Classic module/Universal M	■						
AC 225 Smart line		■			■	■	
AC 24 80/81 Compact line	■						
AC 50 ... module bases	■						
AC 52 ... Classic line distributor module			■				
AC 5210 As-i module			■				
AS-i modules			■				
AV 52 ... Classic line			■				
I/O modules				■			
M12/M8 connecting lines							■
Central distributor				■			

	UC-EM (10x8) 0825491	UC-EM (17,5x7,5) 0825495	UC-EM (20x9) 0825503
	UCT-EM (10x8) 0801485	UCT-EM (17,5x7,5) 0801482	UCT-EM (20x9) 0801471
Cross-reference list Lumberg Automation			
ASB distributor M12 passive		■	
ASB distributor M8	■		
AS-Interface 0911 ...			■
Compact bus modules active		■	
Valve connector			■

Equipment marking for other manufacturers

	UC-EM (17.5x8) 0825495	UC-EM (20x9) 0825503
	UCT-EM (17.5x8) 0801496	UCT-EM (20x9) 0801471
Cross-reference list Moeller / Eaton		
Function relay DILET 11 ..., DILET 70 ..., EMR 4 ...	■	
Basic device and extension module EASY 2 ..., EASY 5 ..., EASY 6 ..., EASY 7 ..., EASY 200 ...	■	
Relay ZE ..., ZEV ...	■	
Contactor DILER ..., DILEM ...		■

Equipment marking for other manufacturers

		UC3-TM 5 0822369		UC-EM (20x7) 0825499		UC-EM (20x9) 0825503
	UCT-EM (5x10) 0801497	UCT3-TM 5 0829251	UCT-EM (17x9) 0801475	UCT-EM (20x7) 0801494	UCT-EM (20x8) 0801477	UCT-EM (20x9) 0801471
		UM3-TM (5x8) 0830917				
Cross-reference list Murr Elektronik						
AS-Interface system MASI 00/20					■	
AS-Interface system MASI 67					■	
AS-Interface system MASI 68					■	
CUBE 67					■	
Modlink data insert connector link				■		
Diode components						■
MKS diode components						■
EMC interference suppression modules DIL E						■
EMC interference suppression modules M	■					
EMC interference suppression module S2 ... S6				■		
EMC interference suppression modules SO ...				■		
Front plate interfaces				■		
MICO FUSE intelligent power distribution	■					
IMPACT 20 compact I/O modules					■	
IMPACT 67 compact I/O modules					■	
MKV Metall compact I/O modules					■	
Assembly modules						■
MKS assembly modules						■
AMMS / AMMDS optocoupler						■
MIRON optocoupler		■				■
Passive interface technology						■
Potentiometer blocks						■
MB redundancy module					■	
Evolution power supply unit					■	
Picco power supply unit					■	
MIRO safety relay						■
MICO overcurrent protective device					■	
MICO BASIC overcurrent protective device	■					
Valve connectors				■		
Plastic M12 distributor systems				■		
MSDS 8 plastic M12 distributor systems			■			
M12 metal distributor systems					■	
M8 distributor systems					■	

Equipment marking for other manufacturers

	UCT-EM (17x8) 0801842	UCT-EM (18x8) 0825497	UCT-EM (21x8) 0825507
		UCT-EM (18x8) 0801488	UCT-EM (21x8) 0801489
Cross-reference list Schneider Electric			
Special contactors GC 1610, GC 1611, GC 1620, GC 2502, GC 2510, GC 2511, GC 2520	■	■	
Preselection contactors GY 1611, GY 1620, GY 2511, GY 2520	■	■	
TeSys D series, D control relay, K control relay	■		
TeSys model U		■	
Standard contactors GC 1622, GC 1630, GC 1640, GC 2504, GC 2522, GC 2530, GC 2540	■		
Standard contactors 4002, 4004, 4011, 4020, 4022, 4030, 4040, 6302, 6304, 6311, 6320, 6322, 6330, 6340, 10020, 10040			■
Preselection contactors GY 1640, GY 2530, GY 2540, GY 4020, GY 4030, GY 4040, GY 6320, GY 6330, GY 6340			■
Motor adjustment combination TeSys LD1...			■
Motor adjustment combination HL contactors LD 4...			■
Motor output/reversing combination LD5...			■

Equipment marking for other manufacturers

	EML (10x4) 0815583	UCT-EM (10x5) 0801470	UC-EM (20x9) 0825503	UCT-EM (20x9) 0801471
Cross-reference list Turck				
BL 67 modular I/O system in IP67	■			
Compact fieldbus I/O modules in IP67 for DeviceNet™			■	
Compact fieldbus I/O modules in IP67 and IP20			■	
Compact multi-protocol I/O modules in IP67 for Ethernet			■	
Piconet extension modules		■		
Piconet compact I/O system in IP67		■		
Piconet coupling modules		■		
Piconet stand-alone modules for PROFIBUS DP		■		

Equipment marking for other manufacturers

	UC-EM (10x7) 0825487	UC-EM (10x8) 0825491		UC-EM (20x7) 0825499	UC-EM (20x9) 0825503	
	UCT-EM (10x7) 0801498	UCT-EM (10x8) 0801485	UCT-EM (15x10) 0801504	UCT-EM (20x7) 0801494	UCT-EM (20x9) 0801471	
						US-EMT (13x109) 0803862
						EMT (13x109)R 0803894
Cross-reference list Siemens						
AS-i compact module K20...		■				
AS-i repeater, 4-way distributor, round cable distributor		■				
K45… / K60… AS-i safe module					■	
K45… / K60… AS-i slaves I/O module					■	
SlimLine S22.5... / S45... AS-i slaves				■		
AS-i slaves surge protection module		■				
AS-i slaves counter module, ground fault detection module				■		
Bus module ET 200 X, contact block, 3SB3 button, Signum button series, switching element 3SB14…		■				
CPU 1500 series						■
EMC interference suppression module				■		
End block 8WA1 808					■	
ET 200S						
ET 200SP			■			
Solid-state relay, solid-state contactor, special function module				■		
Auxiliary switch blocks 3RH 1921...	■			■		
Circuit breaker, el. overload relay, therm. overload relay				■		
Mounting plate K45 / K60					■	
Motor management and control devices, time relays, monitoring relays, safety relays				■		
Motor circuit breaker				■		
S7 - 1500						
S7 - 300				■		
S7 - 400						
Soft starter, direct starter				■		
Contactor, auxiliary contactor, contactor combination, auxiliary switch block				■		

Equipment marking for other manufacturers

	US-EMT (50/28x13) 0803853	US-EMT (50x26) 0803851		US-EMT (23x109) 0803858	US-EMT (31x12,5) 0803848	US-EMT (103x17) 0803846	US-EMT (103x23) 0803856
	EMT (50/28x13)R 0800049	EMT (50x26)R 0800052	EMT (Ex14)R 0803461	EMT (23x109)R 0803457	EMT (31x12,5)R 0801612	EMT (103x17)R 0800039	EMT (103x23)R 0800040
Cross-reference list Siemens							
AS-i compact module K20...							
AS-i repeater, 4-way distributor, round cable distributor							
K45… / K60… AS-i safe module							
K45… / K60… AS-i slaves I/O module							
SlimLine S22.5... / S45... AS-i slaves							
AS-i slaves surge protection module							
AS-i slaves counter module, ground fault detection module							
Bus module ET 200X, contact block, 3SB3 button, Signum button series, switching element 3SB14...							
CPU 1500 series							
EMC interference suppression module							
End block 8WA1 808							
ET 200S	■	■					
ET 200SP					■		
Solid-state relay, solid-state contactor, special function module							
Auxiliary switch blocks 3RH 1921...							
Circuit breaker, el. overload relay, therm. overload relay							
Mounting plate K45 / K60							
Motor management and control devices, time relays, monitoring relays, safety relays							
Motor circuit breaker							
S7 - 1500				■			
S7 - 300						■	■
S7 - 400			■				
Soft starter, direct starter							
Contactor, auxiliary contactor, contactor combination, auxiliary switch block							

Equipment marking for other manufacturers

	UC1-TMF 5 0821425	UC2-TM 5 0821690	
	UCT1-TMF 5 0829237	UCT2-TM 5/6 0829249	UCT-EM (17x9) 0801475
	UM1-TMF (5x5) 0830911	UM2-TM (5/6x10) 0830911	
Cross-reference list Wago			
Beckhoff Wago 12/7		■	
Bus module Wago 12/7		■	
D 4/6		■	
M 16/12		■	
M 4/6		■	
Series 750, 753, analog output terminal	■		
Series 750, 753, analog input terminal	■		
Series 750, 753, digital output terminal	■		
Series 750, 753, digital pulse interface	■		
Series 750, 753, digital input terminal blocks	■		
Series 750, 753, I/O system	■		
Series 750, 753, relay output terminal	■		
Series 750, 753, serial interface	■		
Series 750, 753, Forward counter/reverse counter	■		
Series 750, DC drive controller	■		
Series 750, fieldbus coupler	■		
Series 750, incremental encoder interface	■		
Series 750, power-level terminal	■		
Series 750, proportional valve module	■		
Series 750, PTC terminal block	■		
Series 750, pulse width output counter	■		
Series 750, RTC module	■		
Series 750, PLC controller	■		
Series 750, SSI encoder interface	■		
Series 750, stepper controller	■		
Series 750, stepper servo	■		
Series 750, TTY interface	■		
Miniature circuit breaker			■

Equipment marking for other manufacturers

	UC1-TMF 5 0821425	UC1-TM 5 0821784	UC1-TMF 6 0821483	UC1-TM 6 0821739	UC1-TM 6 0821739	UC1-TM 8 0821739	UC-EM (20x9) 0825503
	UCT1-TMF 5 0829237	UCT1-TM 5 0829482	UCT1-TMF 6 0829243	UCT1-TM 6 0829483	UCT1-TM 6 0829483		UCT-EM (20x9) 0801471
	UM1-TMF (5x5) 0830911	UM1-TM (5x10) 0830905	UM1-TMF (6x5) 0830904	UM1-TM (6x10) 0830903	UM1-TM (6x12) 0830909	UM1-TM (8x10) 0830906	
Cross-reference list Weidmüller							
IP20 analog output modules						■	
IP20 analog input modules						■	
IP20 digital output modules						■	
IP20 digital input modules						■	
IP20 digital counters and communication modules						■	
IP20 feed-in modules						■	
M12 IDC							■
M12 power distributor							■
M12 push-pull							■
M12 distributor							■
M12 distributor, slim design	■						
M5 distributor	■						
M8 distributor	■						
MCZ-OVP-SERIES			■				
MCZ-SERIES solid-state relay					■		
MCZ-SERIES relay coupler					■		
MICROOPTO solid-state relay					■		
PROFIBUS IP20 fieldbus coupler						■	
IP20 modules, pulse width modulation						■	
SAI distributor M12 with M23							■
Safe I/O modules and IP20 feed-in modules						■	
IP20 temperature modules						■	
TERMOPTO solid-state relay					■		
TERMSERIES solid-state relay				■			
TERMSERIES relay coupler				■			
VARITECOR SPC base element	■						
VARITECOR SSC ...	■						
Valve lines							■
WAVESERIES measurement isolator		■					
WAVESERIES measuring transducer		■					
WAVESERIES measuring transducer		■					
WAVESERIES signal converter		■					
WAVESERIES path isolator		■					

Markings for marker carriers from other manufacturers

	UC-EMP (17x15) 0825421	UC-EMLP (22x22) 0825463	UC-EMP (27x8) 0825427	UC-EMP (27x12,5) 0825433	UC-EMP (27x15) 0825439	UC-EMP (27x18) 0825445
	US-EMP (17x15) 0828774		US-EMP (27x8) 0828775	US-EMP (27x12,5) 0828776	US-EMP (27x15) 0828777	US-EMP (27x18) 0828778
Cross-reference list CONTA-CLIP						
GST-H 27x8 BK			■			
GST-H 27x12,5 BK				■		
GST-H 27x18 BK						■
GST-H 27x27 BK						
GSU-H 17x15 BK	■					
GSU-H 27x15 BK					■	
GSU-H 49x15 BK						
GSU-H 60x15 BK						
GSU-H 60x30 BK						
GSU-H 85,4x54 BK						
Cross-reference list ABB						
MA6-1060				■		
BSH-A			■			
BSH-B						■
Cross-reference list Grafoplast						
SIT 0A06…					■	
SIT 0A07…						
SIT 0B05…					■	
SIT 0B07…					■	
SIT 0B08…						
SIT 0B09…			■			
Cross-reference list Moeller						
M22S-ST-X						■
Cross-reference list Murrplastik						
BT 15/27, BTK 15/27					■	
BT 15/49, BTK 15/49						
BT 22,5			■			
BTK 22,5			■			
BT-SR 15x27					■	
BT-SR 15x49						
BT-SR 27x12,5				■		
BT-SR 27x18						■
BT-SR 27x27						

Markings for marker carriers from other manufacturers

	UC-EMP (27x27) 0825451	UC-EMP (49x15) 0825457	UC-EMP (60x15) 0822259	UC-EMP (60x30) 0822275	
			UCT-EMP(60x15) 1014119		
	US-EMP (27x27) 0828779	US-EMP (49x15) 0828780	US-EMP (60x15) 0828781	US-EMP (60x30) 0828782	US-EMP (85,6x54) 0828783
Cross-reference list CONTA-CLIP					
GST-H 27x8 BK					
GST-H 27x12,5 BK					
GST-H 27x18 BK					
GST-H 27x27 BK	■				
GSU-H 17x15 BK					
GSU-H 27x15 BK					
GSU-H 49x15 BK		■			
GSU-H 60x15 BK			■		
GSU-H 60x30 BK				■	
GSU-H 85,4x54 BK					■
Cross-reference list ABB					
MA6-1060					
BSH-A					
BSH-B					
Cross-reference list Grafoplast					
SIT 0A06…					
SIT 0A07…		■			
SIT 0B05…					
SIT 0B07…					
SIT 0B08…		■			
SIT 0B09…					
Cross-reference list Moeller					
M22S-ST-X					
Cross-reference list Murrplastik					
BT 15/27, BTK 15/27					
BT 15/49, BTK 15/49		■			
BT 22,5					
BTK 22,5					
BT-SR 15x27					
BT-SR 15x49		■			
BT-SR 27x12,5					
BT-SR 27x18					
BT-SR 27x27	■				

Markings for marker carriers from other manufacturers

	UC-EMP (17x15) 0825421	UC-EMLP (22x22) 0825463	UC-EMP (27x8) 0825427	UC-EMP (27x12,5) 0825433	UC-EMP (27x15) 0825439	UC-EMP (27x18) 0825445
	US-EMP (17x15) 0828774	US-EMLP (22x22) 0828783	US-EMP (27x8) 0828775	US-EMP (27x12,5) 0828776	US-EMP (27x15) 0828777	US-EMP (27x18) 0828778
Cross-reference list Siemens						
3SB3922-0AY				■		
3SB3925-0AV						■
3SB1906-2AA						
3SB1906-2AW		■				
Empty enclosure 3SB38						

Cross-reference list Weidmüller						
SM-H 27/12,5 SW				■		
SM-H 27/18 SW						■
SM-H 27/27 SW						
CC-H 15/17	■					
CC-H 15/27					■	
CC-H 15/49						
CC-H 15/60						
CC-H 30/6						
LOGIMARK						

Markings for marker carriers from other manufacturers

	UC-EMP (27x27) 0825451	UC-EMP (49x15) 0825457	UC-EMP (60x15) 0822259	UC-EMP (60x30) 0822275	
			UCT-EMP(60x15) 1014119		
	US-EMP (27x27) 0828779	US-EMP (49x15) 0828780	US-EMP (60x15) 0828781	US-EMP (60x30) 0828782	US-EMP (85,6x54) 0828783
Cross-reference list Siemens					
3SB3922-0AY					
3SB3925-0AV					
3SB1906-2AA	■				
3SB1906-2AW	■				
Empty enclosure 3SB38					

Cross-reference list Weidmüller					
SM-H 27/12,5 SW					
SM-H 27/18 SW					
SM-H 27/27 SW	■				
CC-H 15/17					
CC-H 15/27					
CC-H 15/49		■			
CC-H 15/60			■		
CC-H 30/6				■	
LOGIMARK					■

Stainless steel and aluminum equipment marking for screwing or riveting



- The LS-EMSP … product range is available in stainless steel (V4A) or aluminum. LS-EMSP ... provides markers for quick and easy fixing with screws or rivets
- The LS-EMSP-V4A ... product range excels, in particular due to the high resistance against salt water, chloride, and solvents. The range is thereby also suitable for the most challenging industrial requirements
- The LS-EMSP-V4A ... product group can be permanently marked in two ways: by engraving or annealing
- By selecting the material in the CLIP PROJECT planning and configuration software, you automatically transfer the correct laser parameters to the TOPMARK LASER
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements
- **Designation example: LS-EMSP-V4A (39x15)**
  Lettering area width: 39 mm
  Lettering area height: 15 mm
  Type of packaging: sheet

Notes:
For matching rivets for securing the LS-EMSP-V4A ... and LS-EMSP-AL ..., see page 400 or the product area on our website at phoenixcontact.net/products.
Drilling diagrams can be found at phoenixcontact.net/products
[1]) From lettering field size 110 x 80 to 170 x 180 mm, the material thickness is 1.5 mm.

Can be marked using:



Direct laser marking



Stainless steel, material thickness: 0.5 mm

Technical data

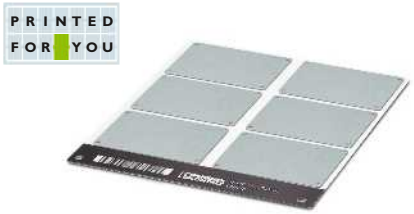
General data	
Can be marked using	TOPMARK LASER
Material	V4A
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone, halogen, and cadmium

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Marking label, with mounting holes 3.2 mm in diameter			
1 sheet = 24 labels	**LS-EMSP-V4A (39X15)**	0831653	5
1 sheet = 16 labels	**LS-EMSP-V4A (50X15)**	0831654	5
1 sheet = 10 labels	**LS-EMSP-V4A (50X30)**	0831655	5
1 sheet = 6 labels	**LS-EMSP-V4A (75,6X54)**	0831656	5
1 sheet = 2 labels	**LS-EMSP-V4A (90X60)**	0831657	5
1 sheet = 2 labels			
1 sheet = 2 labels			
1 sheet = 1 label			
1 sheet = 1 label			
Marking label, with mounting holes 3.2 mm in diameter			
1 sheet = 10 labels, red			
1 sheet = 10 labels, orange			
1 sheet = 10 labels, blue			
1 sheet = 10 labels, green			
1 sheet = 6 labels, red			
1 sheet = 6 labels, orange			
1 sheet = 6 labels, blue			
1 sheet = 6 labels, green			

Accessories

Sheet hopper, for TOPMARK LASER			
	TOPMARK LASER-MAG SHEET	0831836	1



Aluminum, material thickness: 0.8 m[1])



Aluminum, black, material thickness: 0.8 m[1])



Aluminum, colored, material thickness: 0.8 mm

Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMSP-AL (39X15)	0831615	5
LS-EMSP-AL (50X15)	0831616	5
LS-EMSP-AL (50X30)	0831617	5
LS-EMSP-AL (75,6X54)	0831618	5
LS-EMSP-AL (90X60)	0831619	5
LS-EMSP-AL (110X80)	0831620	5
LS-EMSP-AL (150X80)	0831621	5
LS-EMSP-AL (150X120)	0831622	5
LS-EMSP-AL (170X180)	0831623	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMSP-AL (39X15) BK	0831626	5
LS-EMSP-AL (50X15) BK	0831627	5
LS-EMSP-AL (50X30) BK	0831628	5
LS-EMSP-AL (75,6X54) BK	0831629	5
LS-EMSP-AL (90X60) BK	0831630	5
LS-EMSP-AL (110X80) BK	0831631	5
LS-EMSP-AL (150X80) BK	0831632	5
LS-EMSP-AL (150X120) BK	0831633	5
LS-EMSP-AL (170X180) BK	0831634	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMSP-AL (50X30) RD	0831637	5
LS-EMSP-AL (50X30) OG	0831641	5
LS-EMSP-AL (50X30) BU	0831645	5
LS-EMSP-AL (50X30) GN	0831649	5
LS-EMSP-AL (75,6X54) RD	0831638	5
LS-EMSP-AL (75,6X54) OG	0831642	5
LS-EMSP-AL (75,6X54) BU	0831646	5
LS-EMSP-AL (75,6X54) GN	0831650	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Adhesive aluminum equipment marking

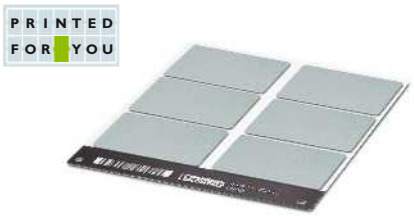


- The aluminum LS-EMLP-AL ... product range includes self-adhesive device markers with a high adhesive strength
- The use of modern laser technology creates highly resistant and permanent markings
- By selecting the material in the CLIP PROJECT planning and configuration software, you automatically transfer the correct laser parameters to the TOPMARK LASER
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements
- **Designation example: LS-EMLP-AL (27x15)**
  Lettering area width: 27 mm
  Lettering area height: 15 mm
  Type of packaging: sheet

Can be marked using:



Direct laser marking



Aluminum, material thickness: 0.8 mm

Technical data

General data	
Can be marked using	TOPMARK LASER
Material	Aluminum
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone, halogen, and cadmium

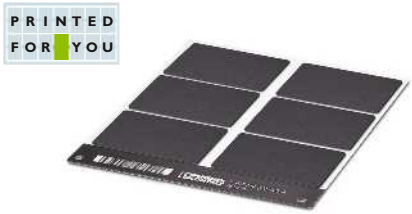
Ordering data

Description	Type	Order No.	Pcs./Pkt.
Marking label, aluminum, self-adhesive			
1 sheet = 40 labels	**LS-EMLP-AL (27X15)**	0831580	5
1 sheet = 35 labels	**LS-EMLP-AL (27X18)**	0831581	5
1 sheet = 30 labels	**LS-EMLP-AL (27X27)**	0804298	5
1 sheet = 24 labels	**LS-EMLP-AL (49X15)**	0831582	5
1 sheet = 16 labels	**LS-EMLP-AL (60X15)**	0831583	5
1 sheet = 10 labels	**LS-EMLP-AL (60X30)**	0831584	5
1 sheet = 6 labels	**LS-EMLP-AL (85,6X54)**	0831585	5
1 sheet = 2 labels	**LS-EMLP-AL (100X60)**	0831586	5
Marking label, aluminum, self-adhesive			
1 sheet = 10 labels, red			
1 sheet = 10 labels, orange			
1 sheet = 10 labels, blue			
1 sheet = 10 labels, green			
1 sheet = 6 labels, red			
1 sheet = 6 labels, orange			
1 sheet = 6 labels, blue			
1 sheet = 6 labels, green			

Accessories

Sheet hopper, for TOPMARK LASER			
	TOPMARK LASER-MAG SHEET	0831836	1





Aluminum, black, material thickness: 0.8 mm



Aluminum, colored, material thickness: 0.8 mm

Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMLP-AL (27X15) BK	0831589	5
LS-EMLP-AL (27X18) BK	0831590	5
LS-EMLP-AL (27X27)	0804298	5
LS-EMLP-AL (49X15) BK	0831591	5
LS-EMLP-AL (60X15) BK	0831592	5
LS-EMLP-AL (60X30) BK	0831593	5
LS-EMLP-AL (85,6X54) BK	0831594	5
LS-EMLP-AL (100X60) BK	0831595	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMLP-AL (60X30) RD	0831598	5
LS-EMLP-AL (60X30) OG	0831602	5
LS-EMLP-AL (60X30) BU	0831606	5
LS-EMLP-AL (60X30) GN	0831610	5
LS-EMLP-AL (85,6X54) RD	0831599	5
LS-EMLP-AL (85,6X54) OG	0831603	5
LS-EMLP-AL (85,6X54) BU	0831607	5
LS-EMLP-AL (85,6X54) GN	0831611	5

Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Aluminum equipment marking for snapping into marker carriers



- The aluminum LS-EMP-AL ... product range includes markers that can be quickly and easily fitted into existing CARRIER-EMP ... label frames
- The use of modern laser technology creates highly resistant and permanent markings
- By selecting the material in the CLIP PROJECT planning and configuration software, you automatically transfer the correct laser parameters to the TOPMARK LASER
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements
- **Designation example: LS-EMP-AL (27x15)**
  Lettering area width: 27 mm
  Lettering area height: 15 mm
  Type of packaging: sheet

Can be marked using:



Direct laser marking



Aluminum, material thickness: 0.8 mm

Technical data

General data	
Can be marked using	TOPMARK LASER
Material	Aluminum
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone, halogen, and cadmium

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Marking label, aluminum, can be snapped into marker carriers			
1 sheet = 40 labels	**LS-EMP-AL (27X15)**	0831661	5
1 sheet = 35 labels	**LS-EMP-AL (27X18)**	0831662	5
1 sheet = 24 labels	**LS-EMP-AL (49X15)**	0831663	5
1 sheet = 16 labels	**LS-EMP-AL (60X15)**	0831664	5
1 sheet = 10 labels	**LS-EMP-AL (60X30)**	0831665	5
1 sheet = 6 labels	**LS-EMP-AL (85,6X54)**	0831666	5
1 sheet = 2 labels	**LS-EMP-AL (100X60)**	0831667	5

Accessories

Sheet hopper, for TOPMARK LASER			
	TOPMARK LASER-MAG SHEET	0831836	1
Marker carriers, for snap-in labels			
Marker size: 27 x 15 mm	**CARRIER-EMP (27X15)**	0827451	80
Marker size: 49 x 15 mm	**CARRIER-EMP (49X15)**	0827452	40
Marker size: 60 x 15 mm	**CARRIER-EMP (60X15)**	0827453	40
Marker size: 60 x 30 mm	**CARRIER-EMP (60X30)**	0827454	30
Marker size: 85 x 54 mm	**CARRIER-EMP (85,6X54)**	0829365	10
Marker carriers, for snap-in labels, for buttons and switches 22 mm in diameter			
Marker size: 27 x 15 mm	**CARRIER-EMP 22 (27X15)**	0827447	50
Marker size: 27 x 18 mm	**CARRIER-EMP 22 (27X18)**	0827448	50



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Aluminum, black, material thickness: 0.8 mm

Technical data

TOPMARK LASER
Aluminum
DIN EN 61010-1 (VDE 0411-1)
free from silicone, halogen, and cadmium

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMP-AL (27X15) BK	**0831669**	5
LS-EMP-AL (27X18) BK	**0831670**	5
LS-EMP-AL (49X15) BK	**0831671**	5
LS-EMP-AL (60X15) BK	**0831672**	5
LS-EMP-AL (60X30) BK	**0831673**	5
LS-EMP-AL (85,6X54) BK	**0831674**	5
LS-EMP-AL (100X60) BK	**0831675**	5

Accessories

TOPMARK LASER-MAG SHEET	**0831836**	1
CARRIER-EMP (27X15)	**0827451**	80
CARRIER-EMP (49X15)	**0827452**	40
CARRIER-EMP (60X15)	**0827453**	40
CARRIER-EMP (60X30)	**0827454**	30
CARRIER-EMP (85,6X54)	**0829365**	10
CARRIER-EMP 22 (27X15)	**0827447**	50
CARRIER-EMP 22 (27X18)	**0827448**	50

Plastic adhesive equipment marking

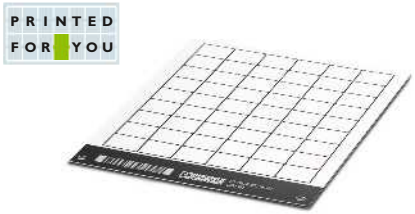


- The LS-EMLP ... product range includes self-adhesive double-layer plastic device markers
- A wide range of different marker sizes is available for custom designs
- By selecting the material in the CLIP PROJECT planning and configuration software, you automatically transfer the correct laser parameters to the TOPMARK LASER
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements
- **Designation example:**
  LS-EMLP (11x9) WH
  Lettering area width: 11 mm
  Lettering area height: 9 mm
  Type of packaging: sheet

Can be marked using:



Direct laser marking



TRANSPLY-ABS, white,
material thickness: 0.8 mm

Technical data

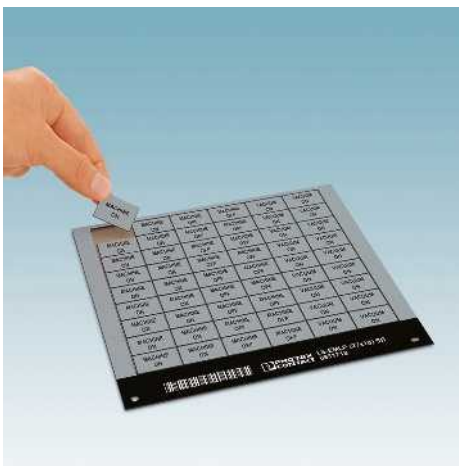
General data		
Can be marked using		TOPMARK LASER
Material		TRANSPLY-ABS
Temperature range	[°C]	-20 ... 85
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

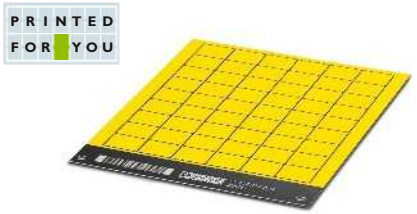
Ordering data

Description	Type	Order No.	Pcs./Pkt.
Plastic label sheet, self-adhesive, double-layer plastic labels			
1 sheet = 255 labels	**LS-EMLP (11X9) WH**	0831678	10
1 sheet = 221 labels	**LS-EMLP (13X9) WH**	0831679	10
1 sheet = 220 labels	**LS-EMLP (17X7) WH**	0831680	10
1 sheet = 170 labels	**LS-EMLP (17X9) WH**	0831681	10
1 sheet = 130 labels	**LS-EMLP (17,5X12) WH**	0831682	10
1 sheet = 100 labels	**LS-EMLP (17,5X15) WH**	0831683	10
1 sheet = 176 labels	**LS-EMLP (20X7) WH**	0831684	10
1 sheet = 160 labels	**LS-EMLP (20X8) WH**	0831685	10
1 sheet = 104 labels	**LS-EMLP (22X12) WH**	0831686	10
1 sheet = 56 labels	**LS-EMLP (22X22) WH**	0831687	10
1 sheet = 120 labels	**LS-EMLP (27X8) WH**	0831688	10
1 sheet = 78 labels	**LS-EMLP (27X12,5) WH**	0831689	10
1 sheet = 60 labels	**LS-EMLP (27X15) WH**	0831690	10
1 sheet = 54 labels	**LS-EMLP (27X18) WH**	0831691	10
1 sheet = 36 labels	**LS-EMLP (27X27) WH**	0831692	10
1 sheet = 33 labels	**LS-EMLP (45X14) WH**	0831693	10
1 sheet = 30 labels	**LS-EMLP (45X15) WH**	0831694	10
1 sheet = 30 labels	**LS-EMLP (49X15) WH**	0831695	10
1 sheet = 20 labels	**LS-EMLP (60X15) WH**	0831696	10
1 sheet = 10 labels	**LS-EMLP (60X30) WH**	0831697	10
1 sheet = 16 labels			
1 sheet = 8 labels	**LS-EMLP (80X40) WH**	0804483	10
1 sheet = 6 labels	**LS-EMLP (85,6X54) WH**	0831698	10
1 sheet = 2 labels	**LS-EMLP (100X60) WH**	0831699	10
1 sheet = 1 label	**LS-EMLP (180X180) WH**	0804346	10

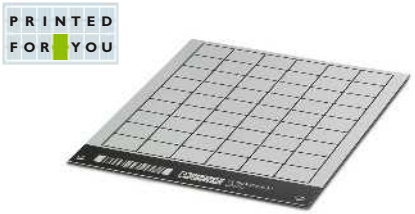
Accessories

Sheet hopper, for TOPMARK LASER			
	TOPMARK LASER-MAG SHEET	0831836	1





TRANSPLY-ABS, yellow, material thickness: 0.8 mm



TRANSPLY-ABS, silver, material thickness: 0.8 mm

Technical data

TOPMARK LASER
TRANSPLY-ABS
-20 ... 85
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMLP (11X9) YE	0831732	10
LS-EMLP (13X9) YE	0831733	10
LS-EMLP (17X7) YE	0831734	10
LS-EMLP (17X9) YE	0831735	10
LS-EMLP (17,5X12) YE	0831736	10
LS-EMLP (17,5X15) YE	0831737	10
LS-EMLP (20X7) YE	0831738	10
LS-EMLP (20X8) YE	0831739	10
LS-EMLP (22X12) YE	0831740	10
LS-EMLP (22X22) YE	0831741	10
LS-EMLP (27X8) YE	0831742	10
LS-EMLP (27X12,5) YE	0831743	10
LS-EMLP (27X15) YE	0831744	10
LS-EMLP (27X18) YE	0831745	10
LS-EMLP (27X27) YE	0831746	10
LS-EMLP (45X14) YE	0831747	10
LS-EMLP (45X15) YE	0831748	10
LS-EMLP (49X15) YE	0831749	10
LS-EMLP (60X15) YE	0831750	10
LS-EMLP (60X30) YE	0831751	10
LS-EMLP (72X20) YE	0804372	10
LS-EMLP (85,6X54) YE	0831752	10
LS-EMLP (100X60) YE	0831753	10
LS-EMLP (180X180) YE	0804348	10

Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Technical data

TOPMARK LASER
TRANSPLY-ABS
-20 ... 85
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
LS-EMLP (11X9) SR	0831705	10
LS-EMLP (13X9) SR	0831706	10
LS-EMLP (17X7) SR	0831707	10
LS-EMLP (17X9) SR	0831708	10
LS-EMLP (17,5X12) SR	0831709	10
LS-EMLP (17,5X15) SR	0831710	10
LS-EMLP (20X7) SR	0831711	10
LS-EMLP (20X8) SR	0831712	10
LS-EMLP (22X12) SR	0831713	10
LS-EMLP (22X22) SR	0831714	10
LS-EMLP (27X8) SR	0831715	10
LS-EMLP (27X12,5) SR	0831716	10
LS-EMLP (27X15) SR	0831717	10
LS-EMLP (27X18) SR	0831718	10
LS-EMLP (27X27) SR	0831719	10
LS-EMLP (45X14) SR	0831720	10
LS-EMLP (45X15) SR	0831721	10
LS-EMLP (49X15) SR	0831722	10
LS-EMLP (60X15) SR	0831723	10
LS-EMLP (60X30) SR	0831724	10
LS-EMLP (85,6X54) SR	0831725	10
LS-EMLP (100X60) SR	0831726	10
LS-EMLP (180X180) SR	0804347	10

Accessories

TOPMARK LASER-MAG SHEET	0831836	1

Stick-on equipment marking, plastic, with hole for switch

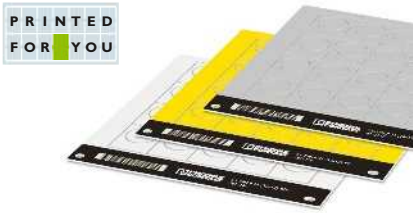


- The LS-EMLP 24/ 30/ 32 ... product range includes self-adhesive double-layer plastic device markers. The markers have a hole for switches
- A wide range of different marker sizes is available for custom designs
- By selecting the material in the CLIP PROJECT planning and configuration software, you automatically transfer the correct laser parameters to the TOPMARK LASER
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements
- **Designation example:**
  LS-EMLP 24 (30x12) WH
  Lettering field size: 30 x 12 mm
  Hole diameter for switch: 24 mm, white material with black marking

Can be marked using:



Direct laser marking



TRANSPLY-ABS, colored, material thickness: 0.8 mm

Technical data

General data		
Can be marked using		TOPMARK LASER
Material		TRANSPLY-ABS
Temperature range	[°C]	-20 ... 85
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plastic label sheet, with hole for switch, diameter 24 mm, self-adhesive double-layer plastic labels				
1 sheet = 20 labels	white	**LS-EMLP 24 (30X12) WH**	0831700	10
1 sheet = 20 labels	yellow	**LS-EMLP 24 (30X12) YE**	0831754	10
1 sheet = 20 labels	silver	**LS-EMLP 24 (30X12) SR**	0831727	10
Plastic label sheet, with hole for switch, diameter 30 mm, self-adhesive double-layer plastic labels				
1 sheet = 9 labels	white	**LS-EMLP 30 (45X10) WH**	0831701	10
1 sheet = 9 labels	yellow	**LS-EMLP 30 (45X10) YE**	0831755	10
1 sheet = 9 labels	silver	**LS-EMLP 30 (45X10) SR**	0831728	10
Plastic label sheet, with hole for switch, diameter 32 mm, self-adhesive double-layer plastic labels				
1 sheet = 12 labels	white	**LS-EMLP 32 (38X14) WH**	0831702	10
1 sheet = 12 labels	yellow	**LS-EMLP 32 (38X14) YE**	0831756	10
1 sheet = 12 labels	silver	**LS-EMLP 32 (38X14) SR**	0831729	10

Accessories

Sheet hopper, for TOPMARK LASER		
TOPMARK LASER-MAG SHEET	0831836	1



Laser foil adhesive equipment marking



– The LS-EML ... product range includes self-adhesive, double-layer plastic foil labels that can be custom designed
– The laser foil is characterized by its high heat resistance and particularly strong adhesive properties
– By selecting the material in the CLIP PROJECT planning and configuration software, you automatically transfer the correct laser parameters to the TOPMARK LASER
– Marking service: Phoenix Contact can custom-mark all markers according to your requirements
– **Designation example:**
LS-EML (180x180) BK-WH
Lettering area width: 180 mm
Lettering area height: 180 mm
Foil color: black
Marking color: white
Type of packaging: sheet

Can be marked using:



Direct laser marking



Polyacrylate, black-white

Technical data

General data		
Can be marked using		TOPMARK LASER
Material		Polyacrylate
Temperature range	[°C]	-40 ... 300
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Laser foil, double-layer plastic foil, for custom label design Lettering field size: 180 x 180 mm	**LS-EML (180X180) BK-WH**	0831784	10

Accessories

Sheet hopper, for TOPMARK LASER	**TOPMARK LASER-MAG SHEET**	0831836	1



Stick-on aluminum equipment marking





– The EMLP-AL... aluminum product range provides self-adhesive device markers with high adhesive strength
– The markers can be marked quickly, easily, and cost-effectively with the BLUEMARK CLED
– Marking service: Phoenix Contact can custom-mark EMLP-AL ... markers according to your requirements

– A wide range of different marker sizes is available for custom designs. Formats from 27 x 15 to 100 x 60 mm cover the entire range of device and plant marking.





– Using modern UV LED printing technology creates a highly resistant and optimum printing quality, which is resistant to solvents. The print quality is even suitable for use under harsh industrial conditions

– In conjunction with magazines, optimum printing accuracy is guaranteed

Can be marked using:

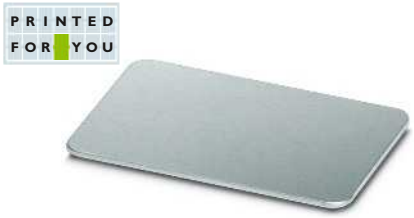
UV

UV LED technology

General data	
Can be marked using	
Material	
Wipe resistance	

Description	Color
Marking label, aluminum, self-adhesive, can be snapped in, 0.8 mm thick	
Lettering field size: 27 x 15 mm	aluminum color
Lettering field size: 27 x 18 mm	aluminum color
Lettering field size: 49 x 15 mm	aluminum color
Lettering field size: 60 x 15 mm	aluminum color
Lettering field size: 60 x 30 mm	aluminum color
Lettering field size: 85.6 x 54 mm	aluminum color
Lettering field size: 100 x 60 mm	aluminum color

Magazine, for BLUEMARK CLED
for accommodating EMP-AL (27X15), EMLP-AL (27X15)
for accommodating EMP-AL (27X18), EMLP-AL (27X18)
for accommodating EMP-AL (49X15), EMLP-AL (49X15), EMSP-AL (39X15)
for accommodating EMP-AL (60X15), EMLP-AL (60X15), EMSP-AL (50X15)
for accommodating EMP-AL (60X30), EMLP-AL (60X30), and ...-EX versions, EMSP-AL (50X30)
for accommodating EMP-AL (85,6X54), EMLP-AL (85,6X54), and ...-EX versions, EMSP-AL (75,6X54)
for accommodating EMLP-AL (100X60) and ...-EX versions, EMSP-AL (90X60)



Aluminum, material thickness: 0.8 mm

Technical data

BLUEMARK CLED
Aluminum
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
EMLP-AL (27X15)	0830508	90
EMLP-AL (27X18)	0830509	90
EMLP-AL (49X15)	0830511	45
EMLP-AL (60X15)	0830512	45
EMLP-AL (60X30)	0830513	45
EMLP-AL (85,6X54)	0830514	15
EMLP-AL (100X60)	0830515	15

Accessories

BLUEMARK MAG EM-M (27X15)	0802736	1
BLUEMARK MAG EM-M (27X18)	0802737	1
BLUEMARK MAG EM-M (49X15)	0802738	1
BLUEMARK MAG EM-M (60X15)	0802739	1
BLUEMARK MAG EM-M (60X30)	0802740	1
BLUEMARK MAG EM-M (85,6X54)	0802741	1
BLUEMARK MAG EM-M (100X60)	0802742	1

Aluminum equipment marking for screwing or riveting



Can be marked using:

UV LED technology

PRINTED FOR YOU



Aluminum, material thickness: 0.8 mm

- The aluminum EMSP-AL... product range includes markers that can be quickly and easily fitted with screws or rivets and is characterized by:
- Two-sided marking option
- High-quality appearance
- The markers can be marked quickly, easily, and cost-effectively with the BLUEMARK CLED
- Using modern UV LED printing technology creates a highly resistant and optimum printing quality, which is resistant to solvents. The print quality is even suitable for use under harsh industrial conditions
- In conjunction with magazines, optimum printing accuracy is guaranteed
- Marking service: Phoenix Contact can custom-mark EMSP-AL ... markers according to your requirements

Notes:

For corresponding rivets for fixing the EMSP-AL ..., see page 400.

Drilling diagrams can be found at phoenixcontact.net/products

Technical data

General data	
Can be marked using	BLUEMARK CLED
Material	Aluminum
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marking label, aluminum, 0.8 mm thick, with mounting holes 3.2 mm in diameter				
Lettering field size: 39 x 15 mm	aluminum color	**EMSP-AL (39X15)**	0830510	45
Lettering field size: 50 x 15 mm	aluminum color	**EMSP-AL (50X15)**	0830773	45
Lettering field size: 50 x 30 mm	aluminum color	**EMSP-AL (50X30)**	0830502	45
Lettering field size: 75.6 x 54 mm	aluminum color	**EMSP-AL (75,6X54)**	0830503	15
Lettering field size: 90 x 60 mm	aluminum color	**EMSP-AL (90X60)**	0830504	15

Accessories

Magazine, for BLUEMARK CLED			
for accommodating EMP-AL (49X15), EMLP-AL (49X15), EMSP-AL (39X15)	**BLUEMARK MAG EM-M (49X15)**	0802738	1
for accommodating EMP-AL (60X15), EMLP-AL (60X15), EMSP-AL (50X15)	**BLUEMARK MAG EM-M (60X15)**	0802739	1
for accommodating EMP-AL (60X30), EMLP-AL (60X30), and ...-EX versions, EMSP-AL (50X30)	**BLUEMARK MAG EM-M (60X30)**	0802740	1
for accommodating EMP-AL (85,6X54), EMLP-AL (85,6X54), and ...-EX versions, EMSP-AL (75,6X54)	**BLUEMARK MAG EM-M (85,6X54)**	0802741	1
for accommodating EMLP-AL (100X60) and ...-EX versions, EMSP-AL (90X60)	**BLUEMARK MAG EM-M (100X60)**	0802742	1

Aluminum equipment marking for snapping into marker carriers



- The aluminum EMP-AL ... product range includes markers that can be quickly and easily fitted into existing CARRIER-EMP ... label frames and is characterized by:
- Two-sided marking option
- The markers can be marked quickly, easily, and cost-effectively with the BLUEMARK CLED
- Using modern UV LED printing technology creates a highly resistant and optimum printing quality, which is resistant to solvents. The print quality is even suitable for use under harsh industrial conditions
- In conjunction with magazines, optimum printing accuracy is guaranteed
- Marking service: Phoenix Contact can custom-mark all EMLP-AL ... markers according to your requirements

Can be marked using:

UV

UV LED technology

PRINTED FOR YOU



Aluminum, material thickness: 0.8 mm

Technical data

General data	
Can be marked using	BLUEMARK CLED
Material	Aluminum
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marking label, aluminum, 0.8 mm thick, can be snapped into marker carriers				
Lettering field size: 27 x 15 mm	aluminum color	**EMP-AL (27X15)**	0830776	90
Lettering field size: 27 x 18 mm	aluminum color	**EMP-AL (27X18)**	0830777	90
Lettering field size: 49 x 15 mm	aluminum color	**EMP-AL (49X15)**	0830778	45
Lettering field size: 60 x 15 mm	aluminum color	**EMP-AL (60X15)**	0830779	45
Lettering field size: 60 x 30 mm	aluminum color	**EMP-AL (60X30)**	0830796	45
Lettering field size: 85.6 x 54 mm	aluminum color	**EMP-AL (85,6X54)**	0830797	15

Accessories

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), and ...-EX versions, EMSP-AL (50X30)	**BLUEMARK MAG EM-M (60X30)**	0802740	1
for accommodating EMP-AL (85,6X54), EMLP-AL (85,6X54), and ...-EX versions, EMSP-AL (75,6X54)	**BLUEMARK MAG EM-M (85,6X54)**	0802741	1



UniCard stick-on equipment marking

Can be marked using:



UV LED technology

Plotter



Marked or not according to customer specifications

- The UC-EMLP ... UniCard marking range includes self-adhesive device markers with good adhesive properties
- The BLUEMARK marks the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers according to your requirements



Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Material		PA
Flammability rating 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-part, lettering field size: 11 x 9 mm	white	**UC-EMLP (11X9)**	0819291	10
	yellow	**UC-EMLP (11X9) YE**	0822602	10
	silver	**UC-EMLP (11X9) SR**	0828094	10
10-section, lettering field size: 15 x 5 mm	white	**UC-EMLP (15X5)**	0819301	10
	yellow	**UC-EMLP (15X5) YE**	0822615	10
	silver	**UC-EMLP (15X5) SR**	0828095	10
10-section, lettering field size: 17 x 9 mm	white	**UC-EMLP (17X9)**	0819314	10
	yellow	**UC-EMLP (17X9) YE**	0822628	10
	silver	**UC-EMLP (17X9) SR**	0828096	10
10-section, lettering field size: 17 x 15 mm	white	**UC-EMLP (17X15)**	0827885	10
	yellow	**UC-EMLP (17X15) YE**	0827886	10
	silver	**UC-EMLP (17X15) SR**	0827887	10
10-section, lettering field size: 20 x 8 mm	white	**UC-EMLP (20X8)**	0819327	10
	yellow	**UC-EMLP (20X8) YE**	0822631	10
	silver	**UC-EMLP (20X8) SR**	0828097	10
6-section, lettering field size: 22 x 22 mm	white	**UC-EMLP (22X22)**	0825463	10
	yellow	**UC-EMLP (22X22) YE**	0825464	10
	silver	**UC-EMLP (22X22) SR**	0825465	10
8-section, lettering field size: 27 x 12.5 mm	white	**UC-EMLP (27X12,5)**	0825469	10
	yellow	**UC-EMLP (27X12,5) YE**	0825470	10
	silver	**UC-EMLP (27X12,5) SR**	0825471	10
	blue	**UC-EMLP (27X12,5) BU**	0830853	10
	green	**UC-EMLP (27X12,5) GN**	0830854	10
8-section, lettering field size: 27 x 15 mm	white	**UC-EMLP (27X15)**	0827894	10
	yellow	**UC-EMLP (27X15) YE**	0827895	10
	silver	**UC-EMLP (27X15) SR**	0827896	10
8-section, lettering field size: 27 x 18 mm	white	**UC-EMLP (27X18)**	0825475	10
	yellow	**UC-EMLP (27X18) YE**	0825476	10
	silver	**UC-EMLP (27X18) SR**	0825477	10
6-section, lettering field size: 27 x 27 mm	white	**UC-EMLP (27X27)**	0825481	10
	yellow	**UC-EMLP (27X27) YE**	0825482	10
	silver	**UC-EMLP (27X27) SR**	0825483	10
4-section, lettering field size: 49 x 15 mm	white	**UC-EMLP (49X15)**	0827903	10
	silver	**UC-EMLP (49X15) SR**	0827905	10
	yellow	**UC-EMLP (49X15) YE**	0827904	10
4-section, lettering field size: 60 x 15 mm	white	**UC-EMLP (60X15)**	0819330	10
	yellow	**UC-EMLP (60X15) YE**	0822644	10
	silver	**UC-EMLP (60X15) SR**	0828088	10
3-section, lettering field size: 60 x 30 mm	white	**UC-EMLP (60X30)**	0819343	10
	yellow	**UC-EMLP (60X30) YE**	0822657	10
	silver	**UC-EMLP (60X30) SR**	0828091	10

Accessories

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

Stick-on UniCard equipment marking for applications in process engineering



- The UC-EMLP...-EX UniCard marking range includes self-adhesive device markers with good adhesive properties
- The marking fulfills requirements in terms of legibility, adhesion, and wipe resistance in potentially explosive areas (ATEX), according to IEC/EN 60079-0, and they are also fulfilled following storage in typical gas atmospheres.
  Phoenix Contact developed these sheets especially for process engineering which is where these requirements typically arise. These sheets meet the requirements for wipe resistance according to DIN EN 61010-1 against aggressive media such as acetone, ethanol, and MEK
- Thanks to the special adhesive, the marker fulfills the demanding requirements of process engineering
- The BLUEMARK CLED marks the markers quickly, easily, and cost-effectively
- Using modern UV LED printing technology creates a highly resistant and optimum printing quality, which is resistant to solvents. The print quality is even suitable for use under harsh industrial conditions
- Marking service: Phoenix Contact can custom-mark all UniCard markers according to your requirements

Can be marked using:



UV LED technology



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED
Material		PA
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, with self-adhesive plastic labels				
6-section, lettering field size: 22 x 22 mm	white	**UC-EMLP (22X22)-EX**	0803224	10
8-section, lettering field size: 27 x 18 mm	white	**UC-EMLP (27X18)-EX**	0803225	10
6-section, lettering field size: 27 x 27 mm	white	**UC-EMLP (27X27)-EX**	0803226	10
4-section, lettering field size: 49 x 15 mm	white	**UC-EMLP (49X15)-EX**	0803227	10
3-section, lettering field size: 60 x 30 mm	white	**UC-EMLP (60X30)-EX**	0803228	10

Accessories

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

UniCard equipment marking for screwing or riveting



- The UC-EMSP ... UniCard marking range includes markers that can be attached using screws or rivets
- The BLUEMARK marks the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

Corresponding rivet for fixing the UC–EMSP ..., see page 400.

Drilling diagrams can be found at phoenixcontact.net/products

Can be marked using:



UV LED technology



Plotter



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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
	blue	**UC-EMSP (50X15) BU**	0803134	10
	red	**UC-EMSP (50X15) RD**	0803135	10
3-section, lettering field size: 50 x 30 mm	white	**UC-EMSP (50X30)**	0828709	10
	yellow	**UC-EMSP (50X30) YE**	0828710	10
	silver	**UC-EMSP (50X30) SR**	0828711	10

Accessories

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

UniCard equipment marking that can be snapped into marker carriers



- The UC-EMP ... UniCard marking range includes markers that can be fitted into existing CARRIER-EMP ... label frames
- The BLUEMARK marks the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Notes:

Matching label frames, see page 350.

Can be marked using:

UV

UV LED technology

y 123 x

Plotter



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Material		PA
Flammability rating 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

Accessories

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

UniCard equipment marking that can be snapped into marker carriers



- The UC-EMP ... UniCard marking range includes markers for all applications
- The BLUEMARK marks the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The UC-EMP ... device markers are ideal for fitting into existing CARRIER-EMP ... label frames
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers according to your requirements

Notes:

Matching label frames, see page 350.

Can be marked using:

UV

UV LED technology

y 123 x

Plotter



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER
Material		PA
Flammability rating 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 and PLOTMARK		
P1 UC-MAG 6	5146121	1

UniCard equipment marking for devices from various manufacturers



- The UC-EM ... UniCard marking range includes markers for devices and switching devices from a wide variety of manufacturers
- An overview of the devices that support marking plus their manufacturers can be found starting on page 270.
- The BLUEMARK marks the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Can be marked using:



UV LED technology



Plotter



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Number of individual labels		20
Material		PA
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking devices from the following manufacturers: Siemens				
Lettering field size: 10 x 7 mm	white	**UC-EM (10X7)**	**0825487**	10
Lettering field size: 10 x 7 mm	turquoise	**UC-EM (10X7) TQ**	**0825488**	10
UniCard, for marking devices from the following manufacturers: Bosch/Rexroth, ifm-electronic, Lumberg, Pepperl & Fuchs, Siemens				
Lettering field size: 10 x 8 mm	white	**UC-EM (10X8)**	**0825491**	10
Lettering field size: 10 x 8 mm	turquoise	**UC-EM (10X8) TQ**	**0825492**	10
UniCard, for marking devices from the following manufacturers: ABB, Lumberg				
Lettering field size: 17.5 x 7.5 mm	white	**UC-EM (17,5X7,5)**	**0825495**	10
UniCard, for marking devices from the following manufacturers: ABB, ifm-electronic, Moeller, Murr Elektronik				
Lettering field size: 17.5 x 8 mm	white	**UC-EM (17,5X8)**	**0823766**	10

Accessories

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

UniCard equipment marking for devices from various manufacturers



- The UC-EM ... UniCard marking range includes markers for devices and switching devices from a wide variety of manufacturers
- An overview of the devices that support marking plus their manufacturers can be found starting on page 270.
- The BLUEMARK marks the markers, which are supplied in uniform sheets, quickly and easily
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Can be marked using:



UV LED technology



Plotter



Marked or not according to customer specifications

Technical data

General data	
Can be marked using	BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Number of individual labels	20
Material	PA
Flammability rating according to UL 94	V2
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking devices from the following manufacturers: Murr Elektronik, Phoenix Contact, Weidmüller				
Lettering field size: 17.5 x 9 mm	white	**UC-EM (17,5X9)**	0827490	10
	yellow	**UC-EM (17,5X9) YE**	0827494	10
UniCard, for marking devices from the following manufacturers: Schneider Electric, ifm-electronic				
Lettering field size: 18 x 8 mm	white	**UC-EM (18X8)**	0825497	10
UniCard, for marking devices from the following manufacturers: Lumberg, Weidmüller				
Lettering field size: 19 x 9 mm	white	**UC-EM (19X9)**	0827492	10
	yellow	**UC-EM (19X9) YE**	0827496	10
UniCard, for marking devices from the following manufacturers: Harting, ifm-electronic, Phoenix Contact, Siemens				
Lettering field size: 20 x 7 mm	white	**UC-EM (20X7)**	0825499	10
	turquoise	**UC-EM (20X7) TQ**	0825500	10

Accessories

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

UniCard equipment marking for devices from various manufacturers



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		BLUEMARK CLED • BLUEMARK LED • CMS-P1-PLOTTER • PLOTMARK
Number of individual labels		20
Material		PA
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniCard, for marking devices from the following manufacturers: ABB, CONTA-CLIP, Escha, Festo, ifm-electronik, Harting, Moeller, Phoenix Contact, Siemens				
Lettering field size: 20 x 9 mm	white	**UC-EM (20X9)**	0825503	10
Lettering field size: 20 x 9 mm	yellow	**UC-EM (20X9) YE**	0827637	10
Lettering field size: 20 x 9 mm	turquoise	**UC-EM (20X9) TQ**	0825504	10
UniCard, for marking devices from the following manufacturers: Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 21 x 8 mm	white	**UC-EM (21X8)**	0825507	10

Accessories

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

UniCard snap-in equipment marking for Axioline E series



Can be marked using:



Thermal transfer



UV LED technology



Direct laser marking



Marked or not according to customer specifications

- The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK CLED, TOPMARK LASER, THERMOMARK PRIME, and the THERMOMARK CARD
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The large temperature range for application means that the labels can be used in control cabinets as well as in the field
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC
Flammability rating 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 marking Phoenix Contact devices, Axioline				
Lettering field size: 7 x 10 mm, 30 individual labels	white	**UCT-EM (7X10)**	0830765	10

Accessories

Magazine, for THERMOMARK CARD, for accommodating UCT-WMT ... sheets, UCT-EM (17X10)	**THERMOMARK CARD-UCT-MAG7**	0801734	1
Magazine for THERMOMARK PRIME For accommodating UCT-WMT…, UCT-EM (7X10)	**TMP-UCT-MAG7**	0803349	1

UniCard equipment marking for devices from various manufacturers



The UCT−EM ... UniCard marking range includes markers for devices and switchgear from a wide range of manufacturers.

– The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK CLED, TOPMARK LASER, THERMOMARK PRIME, and the THERMOMARK CARD
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The large temperature range for application means that the labels can be used in control cabinets as well as in the field
– The sheets provide space for including function texts
– An overview of the devices that support marking plus their manufacturers can be found starting on page 270
– Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Can be marked using:



Thermal transfer



UV LED technology



Direct laser marking



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Material		PC
Flammability rating 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 marking devices from the following manufacturers: CONTA-CLIP, Murr Elektronik, 66 individual markers				
Lettering field size: 5 x 10 mm	white	**UCT-EM (5X10)**	0801497	10
UniCard, for marking devices from the following manufacturers: CONTA-CLIP, Festo, Finder, 54 individual markers				
Lettering field size: 6 x 10 mm	white	**UCT-EM (6X10)**	0801493	10
UniCard, for marking devices from the following manufacturers: Beckhoff, Escha, Lumberg, Murr Elektronik, Pepperl & Fuchs, Turck, 54 individual markers				
Lettering field size: 10 x 5 mm	white	**UCT-EM (10X5)**	0801470	10
UniCard, for marking devices from the following manufacturers: Siemens, 54 individual markers				
Lettering field size: 10 x 7 mm	white	**UCT-EM (10X7)**	0801498	10
	yellow	**UCT-EM (10X7) YE**	0803483	10
Lettering field size: 10 x 7 mm	turquoise	**UCT-EM (10X7) TQ**	0801499	10
UniCard, for marking devices from the following manufacturers: Bosch/Rexroth, ifm-electronic, Lumberg, Pepperl & Fuchs, Siemens, 54 individual markers				
Lettering field size: 10 x 8 mm	white	**UCT-EM (10X8)**	0801485	10
	yellow	**UCT-EM (10X8) YE**	0803482	10
Lettering field size: 10 x 8 mm	turquoise	**UCT-EM (10X8) TQ**	0801486	10

Accessories

Magazine, for THERMOMARK CARD 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)	**THERMOMARK CARD-UCT-MAG13**	0830400	1
Magazine, for THERMOMARK CARD for accommodating UCT-EM (10x7), UCT-WMTB (29x8)	**THERMOMARK CARD-UCT-MAG20**	0830751	1
Magazine, for THERMOMARK CARD for accommodating UCT-EM (10X8), UCT-EM (12X7)	**THERMOMARK CARD-UCT-MAG12**	0830399	1
Magazine for THERMOMARK PRIME for accommodating UCT-TM…, UCT1(U)-TM…, UCT5-TM…, UCT-EM (5x10), UCT-EM (6x10)	**TMP-UCT-MAG1**	0803342	1
Magazine for THERMOMARK PRIME For accommodating UCT-EM (10x5)	**TMP-UCT-MAG13**	0803355	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (10x7), UCT-WMTB (29x8)	**TMP-UCT-MAG20**	0803364	1
Magazine for THERMOMARK PRIME For accommodating UCT-EM (10x8)	**TMP-UCT-MAG12**	0803354	1

UniCard equipment marking for devices from various manufacturers



The UCT−EM ... UniCard marking range includes markers for devices and switchgear from a wide range of manufacturers.

– The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK CLED, TOPMARK LASER, THERMOMARK PRIME, and the THERMOMARK CARD
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The large temperature range for application means that the labels can be used in control cabinets as well as in the field
– The sheets provide space for including function texts
– An overview of the devices that support marking plus their manufacturers can be found starting on page 270.
– Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Can be marked using:



Thermal transfer



UV LED technology



Direct laser marking



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Number of individual labels		30
Material		PC
Flammability rating 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 marking devices from the following manufacturers: Bernecke + Rainer Lettering field size: 12 x 3.3 mm	white	**UCT-EM (12X3,3)**	0801502	10
UniCard, for marking devices from the following manufacturers: Bernecke + Rainer Lettering field size: 12 x 6 mm	white	**UCT-EM (12X6)**	0801503	10
UniCard, for marking devices from the following manufacturers: Beckhoff, Wago Lettering field size: 12 x 7 mm	white	**UCT-EM (12X7)**	0801501	10
UniCard, for marking devices from the following manufacturers: Siemens Lettering field size: 15 x 10 mm	white	**UCT-EM (15X10)**	0801504	10

Accessories

Magazine, for THERMOMARK CARD for accommodating UCT-EM (17,5x8), UCT-EM (20x7)	**THERMOMARK CARD-UCT-MAG8**	0801735	1
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 (10X8), UCT-EM (12X7)	**THERMOMARK CARD-UCT-MAG12**	0830399	1
for accommodating UCT-EM (15x10)	**THERMOMARK CARD-UCT-MAG19**	0830406	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (12x3,3), UCT-EM (12x6)	**TMP-UCT-MAG9**	0803351	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (10x8)	**TMP-UCT-MAG12**	0803354	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (20x7), UCT-EM (17,5x8)	**TMP-UCT-MAG8**	0803350	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (15x10)	**TMP-UCT-MAG19**	0803363	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (12x7)	**TMP-UCT-MAG30**	0804461	1

UniCard equipment marking for devices from various manufacturers



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Number of individual labels		24
Material		PC
Flammability rating 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 marking devices from the following manufacturers: ABB, Festo, Finder, Murr Elektronik, Wago				
Lettering field size: 17 x 9 mm	white	**UCT-EM (17X9)**	0801475	10
Lettering field size: 17 x 9 mm	yellow	**UCT-EM (17X9) YE**	0801476	10
UniCard, for marking devices from the following manufacturers: Allen Bradley, Festo				
Lettering field size: 17 x 10 mm	white	**UCT-EM (17X10)**	0801483	10
Lettering field size: 17 x 10 mm	yellow	**UCT-EM (17X10) YE**	0801484	10
UniCard, for marking devices from the following manufacturers: ABB, Lumberg				
Lettering field size: 17.5 x 7.5 mm	white	**UCT-EM (17,5X7,5)**	0801482	10
UniCard, for marking devices from the following manufacturers: ABB, Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 17 x 8 mm	white	**UCT-EM (17X8)**	0801842	10

Accessories

Magazine, for THERMOMARK CARD for accommodating UCT-EM (17 x 9)	**THERMOMARK CARD-UCT-MAG16**	0830403	1
Magazine, for THERMOMARK CARD for accommodating UCT-EM (17X10) and (20X8)	**THERMOMARK CARD-UCT-MAG11**	0801738	1
Magazine, for THERMOMARK CARD for accommodating UCT-EM (17,5X7,5)	**THERMOMARK CARD-UCT-MAG18**	0830405	1
Magazine, for THERMOMARK CARD for accommodating UCT-EM (21X8) and UCT EM (17X8)	**THERMOMARK CARD-UCT-MAG14**	0830401	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (17x9)	**TMP-UCT-MAG16**	0803358	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (17x10)	**TMP-UCT-MAG11**	0803353	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (17,5x7,5)	**TMP-UCT-MAG18**	0803361	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (17x8), UCT-EM (21x8)	**TMP-UCT-MAG14**	0803356	1

UniCard equipment marking for devices from various manufacturers



The UCT−EM ... UniCard marking range includes markers for devices and switchgear from a wide range of manufacturers.

– The markers, which are supplied in uniform sheets, can be marked quickly and easily using the BLUEMARK CLED, TOPMARK LASER, THERMOMARK PRIME, and the THERMOMARK CARD
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The large temperature range for application means that the labels can be used in control cabinets as well as in the field
– The sheets provide space for including function texts
– An overview of the devices that support marking plus their manufacturers can be found starting on page 270.
– Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements

Can be marked using:



Thermal transfer



UV LED technology



Direct laser marking



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Number of individual labels		24
Material		PC
Flammability rating 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 marking devices from the following manufacturers: ABB, ifm-electronic, Moeller, Murr Elektronik				
Lettering field size: 17.5 x 8 mm	white	**UCT-EM (17,5X8)**	0801496	10
UniCard, for marking devices from the following manufacturers: Murr Elektronik, Phoenix Contact, Weidmüller				
Lettering field size: 17.5 x 9 mm	white	**UCT-EM (17,5X9)**	0801491	10
Lettering field size: 17.5 x 9 mm	yellow	**UCT-EM (17,5X9) YE**	0801492	10
UniCard, for marking devices from the following manufacturers: ABB, Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 18 x 8 mm	white	**UCT-EM (18X8)**	0801488	10
UniCard, for marking devices from the following manufacturers: ifm-electronic, Phoenix Contact, Siemens				
Lettering field size: 20 x 7 mm	white	**UCT-EM (20X7)**	0801494	10
Lettering field size: 20 x 7 mm	yellow	**UCT-EM (20X7) YE**	0803481	10
Lettering field size: 20 x 7 mm	turquoise	**UCT-EM (20X7) TQ**	0801495	10

Accessories

Magazine, for THERMOMARK CARD for accommodating UCT-EM (17,5x8), UCT-EM (20x7)	**THERMOMARK CARD-UCT-MAG8**	0801735	1
Magazine, for THERMOMARK CARD for accommodating UCT-EM (17,5X9)	**THERMOMARK CARD-UCT-MAG22**	0830771	1
Magazine, for THERMOMARK CARD for accommodating UCT-EM (18x8)	**THERMOMARK CARD-UCT-MAG17**	0830404	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (20x7), UCT-EM (17,5x8)	**TMP-UCT-MAG8**	0803350	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (17,5x9)	**TMP-UCT-MAG22**	0803366	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (18x8)	**TMP-UCT-MAG17**	0803360	1

UniCard equipment marking for devices from various manufacturers



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD • BLUEMARK CLED • BLUEMARK LED • TOPMARK LASER
Number of individual labels		24
Material		PC
Flammability rating 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 marking devices from the following manufacturers: Escha, Murr Elektronik, Turck				
Lettering field size: 20 x 8 mm	white	**UCT-EM (20X8)**	0801477	10
UniCard, for marking devices from the following manufacturers: ABB, CONTA-CLIP, Escha, Festo, ifm-electronic, Lumberg, Moeller, Murr Elektronik, Pepperl & Fuchs, Phoenix Contact, Siemens, Turck, Weidmüller				
Lettering field size: 20 x 9 mm	white	**UCT-EM (20X9)**	0801471	10
Lettering field size: 20 x 9 mm	turquoise	**UCT-EM (20X9) TQ**	0801473	10
Lettering field size: 20 x 9 mm	yellow	**UCT-EM (20X9) YE**	0801472	10
UniCard, for marking devices from the following manufacturers: ABB, Schneider Electric, ifm-electronic, Murr Elektronik				
Lettering field size: 21 x 8 mm	white	**UCT-EM (21X8)**	0801489	10

Accessories

Magazine, for THERMOMARK CARD for accommodating UCT-EM (17x10) and (20X8)	**THERMOMARK CARD-UCT-MAG11**	0801738	1
for accommodating UCT-EM (20x9)	**THERMOMARK CARD-UCT-MAG15**	0830402	1
Magazine, for THERMOMARK CARD for accommodating UCT-EM (21X8) and UCT EM (17X8)	**THERMOMARK CARD-UCT-MAG14**	0830401	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (17x10)	**TMP-UCT-MAG11**	0803353	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (20x9)	**TMP-UCT-MAG15**	0803357	1
Magazine for THERMOMARK PRIME for accommodating UCT-EM (17x8), UCT-EM (21x8)	**TMP-UCT-MAG14**	0803356	1

UniSheet stick-on equipment marking



- The US-EMLP ... UniSheet marking range includes self-adhesive device markers with good adhesive properties in different sizes for:
- Equipment marking
- Module marking
- Switchgear marking
- The THERMOMARK CARD and THERMOMARK PRIME mark the markers in uniform sheets, easily, quickly, and cost effectively
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- More label sizes can be found on: phoenixcontact.net/products
- Marking service: Phoenix Contact can custom-mark all UniSheet markers according to your requirements

Marking of circuit breakers, for example:

- 8.8 x 15 mm for ABB, Schneider Electric
- 17 x 15 mm for ABB, Hager, Legrand
- 35 x 15 mm for ABB, Legrand, Schneider Electric
- 52.5 x 15 mm for ABB, Legrand, Schneider Electric
- 70 x 15 mm for Legrand, Schneider Electric

Can be marked using:



Thermal transfer



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Material		PVC
Flammability rating 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
114-section, lettering field size: 17 x 7 mm	white	**US-EMLP (17X7)**	0828792	10
	yellow	**US-EMLP (17X7) YE**	0828877	10
	silver	**US-EMLP (17X7) SR**	0828878	10
54-section, lettering field size: 17 x 15 mm	white	**US-EMLP (17X15)**	0828793	10
54-section, lettering field size: 17 x 15 mm	white	**US-EMLP (17,5X15)**	0830839	10
	yellow	**US-EMLP (17X15) YE**	0828879	10
	silver	**US-EMLP (17X15) SR**	0828880	10
75-section, lettering field size: 20 x 9 mm	white	**US-EMLP (20X9)**	0828795	10
	yellow	**US-EMLP (20X9) YE**	0828883	10
	silver	**US-EMLP (20X9) SR**	0828884	10
24-section, lettering field size: 22 x 22 mm	white	**US-EMLP (22X22)**	0828796	10
	yellow	**US-EMLP (22X22) YE**	0828885	10
	silver	**US-EMLP (22X22) SR**	0828886	10
51-section, lettering field size: 27 x 8 mm	white	**US-EMLP (27X8)**	0828797	10
	yellow	**US-EMLP (27X8) YE**	0828889	10
	red	**US-EMLP (27X8) RD**	0804447	10
	silver	**US-EMLP (27X8) SR**	0828890	10
30-section, lettering field size: 27 x 12.5 mm	white	**US-EMLP (27X12,5)**	0828798	10
	yellow	**US-EMLP (27X12,5) YE**	0828891	10
	silver	**US-EMLP (27X12,5) SR**	0828892	10
27-section, lettering field size: 27 x 15 mm	white	**US-EMLP (27X15)**	0828799	10
	yellow	**US-EMLP (27X15) YE**	0828893	10
	red	**US-EMLP (27X15) RD**	0804448	10
	silver	**US-EMLP (27X15) SR**	0828894	10
21-section, lettering field size: 27 x 18 mm	white	**US-EMLP (27X18)**	0828800	10
	yellow	**US-EMLP (27X18) YE**	0828895	10
	red	**US-EMLP (27X18) RD**	0804449	10
	silver	**US-EMLP (27X18) SR**	0828896	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

UniSheet stick-on equipment marking



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Material		PVC
Flammability rating 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				
15-section, lettering field size: 27 x 27 mm	white	**US-EMLP (27X27)**	0828801	10
	yellow	**US-EMLP (27X27) YE**	0828897	10
	silver	**US-EMLP (27X27) SR**	0828898	10
45-section, lettering field size: 35 x 9 mm	white	**US-EMLP (35X9)**	0828802	10
	yellow	**US-EMLP (35X9) YE**	0828899	10
	silver	**US-EMLP (35X9) SR**	0829430	10
27-section, lettering field size: 35 x 15 mm	white	**US-EMLP (35X15)**	0830300	10
	yellow	**US-EMLP (35X15) YE**	0830319	10
	red	**US-EMLP (35X15) RD**	0830321	10
	silver	**US-EMLP (35X15) SR**	0830320	10
28-section, lettering field size: 40 x 10 mm	white	**US-EMLP (40X10)**	0830341	10
	yellow	**US-EMLP (40X10) YE**	0830342	10
	silver	**US-EMLP (40X10) SR**	0830328	10
18-section, lettering field size: 49 x 15 mm	white	**US-EMLP (49X15)**	0828803	10
	yellow	**US-EMLP (49X15) YE**	0828901	10
	silver	**US-EMLP (49X15) SR**	0828902	10
16-section, lettering field size: 52.5 x 15 mm	white	**US-EMLP (52,5X15)**	0830301	10
	yellow	**US-EMLP (52,5X15) YE**	0830322	10
	red	**US-EMLP (52,5X15) RD**	0830324	10
	silver	**US-EMLP (52,5X15) SR**	0830323	10
9-section, lettering field size: 60 x 15 mm	white	**US-EMLP (60X15)**	0828804	10
	yellow	**US-EMLP (60X15) YE**	0828903	10
	silver	**US-EMLP (60X15) SR**	0828904	10
4-section, lettering field size: 60 x 30 mm	white	**US-EMLP (60X30)**	0828805	10
	yellow	**US-EMLP (60X30) YE**	0828905	10
	blue	**US-EMLP (60X30) BU**	0804282	10
	red	**US-EMLP (60X30) RD**	0804283	10
	silver	**US-EMLP (60X30) SR**	0828906	10
8-section, lettering field size: 70 x 15 mm	white	**US-EMLP (70X15)**	0830302	10
	yellow	**US-EMLP (70X15) YE**	0830325	10
	red	**US-EMLP (70X15) RD**	0830327	10
	silver	**US-EMLP (70X15) SR**	0830326	10
2-section, lettering field size: 85.6 x 54 mm	white	**US-EMLP (85,6X54)**	0828806	10
	yellow	**US-EMLP (85,6X54) YE**	0828907	10
	red	**US-EMLP (85,6X54) RD**	0830841	10
	silver	**US-EMLP (85,6X54) SR**	0828908	10
2-section, lettering field size: 100 x 60 mm	white	**US-EMLP (100X60)**	0828807	10
	yellow	**US-EMLP (100X60) YE**	0828909	10
	silver	**US-EMLP (100X60) SR**	0828910	10
1-section, lettering field size: 104 x 135 mm	white	**US-EMLP (104X135)**	0830304	10
	yellow	**US-EMLP (104X135) YE**	0830305	10
	silver	**US-EMLP (104X135) SR**	0830306	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

UniSheet equipment marking for sticking onto rough or textured surfaces



- The US-EMLP-HA ... UniSheet marking range has excellent adhesive properties, thanks to its special adhesive. Particularly on rough, textured, and low-energy surfaces
- The self-adhesive plastic labels for button markings have two marking areas. You can choose to use both marking areas or either one. The marking areas that are not necessary can be easily removed by snapping off
- The THERMOMARK CARD and THERMOMARK PRIME mark the markers in uniform sheets, easily, quickly, and cost effectively
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers according to your requirements

Can be marked using:



Thermal transfer



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Material		PVC
Flammability rating 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				
108-section, lettering field size: 17 x 7 mm	white	**US-EMLP-HA (17X7)**	0830988	10
70-section, lettering field size: 20 x 9 mm	white	**US-EMLP-HA (20X9)**	0830989	10
4-section, lettering field size: 60 x 30 mm	white	**US-EMLP-HA (60X30)**	0830990	10
4-section, lettering field size: 60 x 30 mm	silver	**US-EMLP-HA (60X30) SR**	0830991	10
2-section, lettering field size: 85.6 x 54 mm	white	**US-EMLP-HA (85,6X54)**	0830992	10
2-section, lettering field size: 85.6 x 54 mm	silver	**US-EMLP-HA (85,6X54) SR**	0830993	10
UniSheet, with self-adhesive plastic labels for button markings, 0.5 mm thick, 6-section, 2 lettering field sizes: 30 x 18 mm and 30 x 8 mm				
	white	**US-EMLP-HA 24 (30X18/8)**	0803876	10
	silver	**US-EMLP HA 24 (30X18/8) SR**	0803877	10
6-section, 2 lettering field sizes: 30 x 15 mm and 30 x 12.5 mm	white	**US-EMLP HA 24 (30X15/12,5)**	0803874	10
	silver	**US-EMLP HA 24 (30X15/12,5) SR**	0803875	10
4-section, lettering field size: 45 x 10 mm	white	**US-EMLP-HA 30 (45X10)**	0803878	10
4-section, lettering field size: 45 x 10 mm	silver	**US-EMLP-HA 30 (45X10) SR**	0803879	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1



UniSheet equipment marking that can be snapped into marker carriers



- The US-EMP ... UniSheet marking range includes markers that can be fitted into existing CARRIER EMP ... label frames
- The THERMOMARK CARD and THERMOMARK PRIME mark the markers in uniform sheets, easily, quickly, and cost effectively
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers according to your requirements

Notes:

Matching label frames, see page 350.

Can be marked using:



Thermal transfer



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Material		PVC
Flammability rating according to UL 94		V0
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

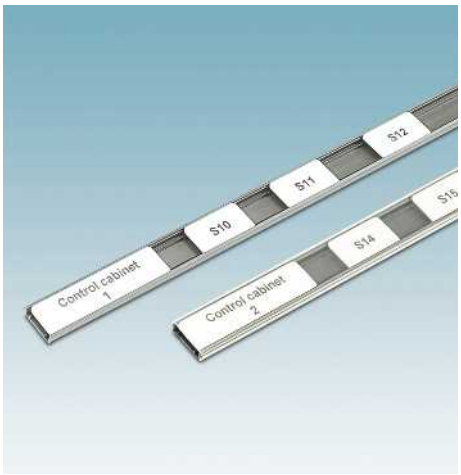
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, just 0.5 mm thick				
54-section, lettering field size: 17 x 15 mm	white	US-EMP (17X15)	0828774	10
	yellow	US-EMP (17X15) YE	0828842	10
	silver	US-EMP (17X15) SR	0828843	10
70-section, lettering field size: 20 x 9 mm	white	US-EMP (20X9)	0829439	10
1 UniSheet = 84 labels	white	US-EMP (25X6)-1	0802754	10
84-section, lettering field size: 26 x 6 mm	white	US-EMP (25X6)	0829435	10
51-section, lettering field size: 27 x 8 mm	white	US-EMP (27X8)	0828775	10
	yellow	US-EMP (27X8) YE	0828844	10
	silver	US-EMP (27X8) SR	0828845	10
30-section, lettering field size: 27 x 12.5 mm	white	US-EMP (27X12,5)	0828776	10
	yellow	US-EMP (27X12,5) YE	0828846	10
	silver	US-EMP (27X12,5) SR	0828847	10
27-section, lettering field size: 27 x 15 mm	white	US-EMP (27X15)	0828777	10
	yellow	US-EMP (27X15) YE	0828848	10
	silver	US-EMP (27X15) SR	0828849	10
21-section, lettering field size: 27 x 18 mm	white	US-EMP (27X18)	0828778	10
	yellow	US-EMP (27X18) YE	0828850	10
	silver	US-EMP (27X18) SR	0828851	10
15-section, lettering field size: 27 x 27 mm	white	US-EMP (27X27)	0828779	10
	yellow	US-EMP (27X27) YE	0828852	10
	silver	US-EMP (27X27) SR	0828853	10
21-section, lettering field size: 27.9 x 17.4 mm		US-EMP (27,9X17,4)	0830980	10
	silver	US-EMP (27,9X17,4) SR	0803300	10
1 UniSheet = 48 labels	white	US-EMP (29X8)	0829436	10
	yellow	US-EMP (29X8) YE	0829440	10
42-section, lettering field size: 35 x 9 mm	white	US-EMP (35X9)	0830842	10
	yellow	US-EMP (35X9) YE	0830843	10
	silver	US-EMP (35X9) SR	0830844	10
1 UniSheet = 16 labels	white	US-EMP (40X17)	0829437	10
1 UniSheet = 40 labels, lettering field size: 44 x 7 mm	white	US-EMP (44X7)	0829438	10
18-section, lettering field size: 49 x 15 mm	white	US-EMP (49X15)	0828780	10
	yellow	US-EMP (49X15) YE	0828854	10
	silver	US-EMP (49X15) SR	0828855	10
1 UniSheet = 9 labels	white	US-EMP (60X15)	0828781	10
	yellow	US-EMP (60X15) YE	0828856	10
	silver	US-EMP (60X15) SR	0828857	10
4-section, lettering field size: 60 x 30 mm	white	US-EMP (60X30)	0828782	10
	yellow	US-EMP (60X30) YE	0828858	10
	silver	US-EMP (60X30) SR	0828859	10
2-section, lettering field size: 85.6 x 54 mm	white	US-EMP (85,6X54)	0828783	10
	yellow	US-EMP (85,6X54) YE	0828860	10
	silver	US-EMP (85,6X54) SR	0828861	10
9-section, lettering field size: 100 x 15 mm	white	US-EMP (100X15)	0829521	10
	yellow	US-EMP (100X15) YE	0829522	10
	silver	US-EMP (100X15) SR	0829523	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	THERMOMARK CARD-US-MAG1	5146451	1

UniSheet equipment marking that can be snapped into marker carriers



The UniSheet US-EMP ... device markers can be easily snapped into the CARRIER(/L)-EMP (1000X15)... marking profiles. They have the following advantages and ideal for:

– Equipment marking
– Module marking
– Switchgear marking
– The labels are available in different sizes corresponding to common device pitch measurements
– The THERMOMARK CARD and THERMOMARK PRIME mark the markers in uniform sheets, easily, quickly, and cost effectively
– The perforated markers are easy to separate and can be easily fitted
– The sheets provide space for including function texts
– Marking service: Phoenix Contact can custom-mark all UniSheet markers according to your requirements

Marking of circuit breakers, for example:

– 8.8 x 15 mm for ABB, Schneider Electric
– 17 x 15 mm for ABB, Hager, Legrand
– 35 x 15 mm for ABB, Legrand, Schneider Electric
– 52.5 x 15 mm for ABB, Legrand, Schneider Electric
– 70 x 15 mm for Legrand, Schneider Electric

Can be marked using:



Thermal transfer



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Material		PVC
Flammability rating 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 marked with THERMOMARK CARD				
88-section, lettering field size: 8.8 x 15 mm	white	**US-EMP (8,8X15)**	0830293	10
	yellow	**US-EMP (8,8X15) YE**	0830426	10
	red	**US-EMP (8,8X15) RD**	0830428	10
	silver	**US-EMP (8,8X15) SR**	0830427	10
54-section, lettering field size: 17 x 15 mm	white	**US-EMP (17X15)**	0828774	10
	yellow	**US-EMP (17X15) YE**	0828842	10
	silver	**US-EMP (17X15) SR**	0828843	10
27-section, lettering field size: 27 x 15 mm	white	**US-EMP (27X15)**	0828777	10
	yellow	**US-EMP (27X15) YE**	0828848	10
	silver	**US-EMP (27X15) SR**	0828849	10
24-section, lettering field size: 35 x 15 mm	white	**US-EMP (35X15)**	0830295	10
	yellow	**US-EMP (35X15) YE**	0830307	10
	red	**US-EMP (35X15) RD**	0830309	10
	silver	**US-EMP (35X15) SR**	0830308	10
18-section, lettering field size: 49 x 15 mm	white	**US-EMP (49X15)**	0828780	10
	yellow	**US-EMP (49X15) YE**	0828854	10
	silver	**US-EMP (49X15) SR**	0828855	10
16-section, lettering field size: 52.5 x 15 mm	white	**US-EMP (52,5X15)**	0830296	10
	yellow	**US-EMP (52,5X15) YE**	0830310	10
	red	**US-EMP (52,5X15) RD**	0830312	10
	silver	**US-EMP (52,5X15) SR**	0830311	10
1 UniSheet = 9 labels	white	**US-EMP (60X15)**	0828781	10
	yellow	**US-EMP (60X15) YE**	0828856	10
	silver	**US-EMP (60X15) SR**	0828857	10
8-section, lettering field size: 70 x 15 mm	white	**US-EMP (70X15)**	0830297	10
	yellow	**US-EMP (70X15) YE**	0830313	10
	red	**US-EMP (70X15) RD**	0830315	10
	silver	**US-EMP (70X15) SR**	0830314	10
9-section, lettering field size: 100 x 15 mm	white	**US-EMP (100X15)**	0829521	10
	yellow	**US-EMP (100X15) YE**	0829522	10
	silver	**US-EMP (100X15) SR**	0829523	10

Accessories

Profile, for screwing or riveting, 1000 mm long, for accommodating UCT-... / UC-... / US-... / EMT ... and EMP-AL material with 15 mm height			
	gray	**CARRIER-EMP (1000X15) GY**	0829366	25
	transparent	**CARRIER-EMP (1000X15) TR**	0829530	25
Profile, self-adhesive, 1000 mm long, for accommodating UCT-... / UC-... / US-... / EMT ... and EMP-AL ... material with 15 mm height			
	gray	**CARRIER/L-EMP (1000X15) GY**	0829559	25
	transparent	**CARRIER/L-EMP (1000X15) TR**	0829560	25
CARRIER cover, 1000 mm long			
	transparent	**CARRIER-EMP (1000X15) COVER**	0829520	25
Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials		**THERMOMARK CARD-US-MAG1**	5146451	1

UniSheet equipment marking for screwing or riveting



- The US-EMSP ... UniSheet marking range includes markers that can be attached using screws or rivets
- The THERMOMARK CARD and THERMOMARK PRIME mark the markers in uniform sheets, easily, quickly, and cost effectively
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers in accordance with your requirements

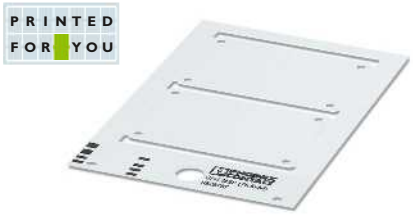
Notes:

For corresponding rivet for fixing the US-EMSP ...., see page 400.

Can be marked using:



Thermal transfer



Marked or not according to customer specifications

Technical data

General data	
Can be marked using	THERMOMARK PRIME • THERMOMARK CARD
Material	PVC
Flammability rating 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
	red	**US-EMSP (90X60) RD**	0802937	10
	blue	**US-EMSP (90X60) BU**	0803038	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

UniSheet equipment marking for sticking on and additional screwing or riveting



- The US−EMLSP ... UniSheet marking range includes adhesive markers which can also be attached with screws or rivets
- The THERMOMARK CARD and THERMOMARK PRIME mark the markers in uniform sheets, easily, quickly, and cost effectively
- The perforated markers are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers in accordance with your requirements

Notes:
For corresponding rivet for fixing the UC−EMLSP ..., see page 400.
Drilling diagrams can be found at phoenixcontact.net/products

Can be marked using:



Thermal transfer



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Material		PVC
Flammability rating 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

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2−TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

UniSheet equipment marking, stick-on labels



Can be marked using:



Thermal transfer



- The US-EMT... UniSheet marking range provides markers for easy marking of Siemens controllers. The US-EMT markers can be easily separated from the card. The markers can be firmly mounted in the marking area by simply inserting them.
- Templates are contained in the CLIP PROJECT software, in order to easily mark the different inputs and outputs
- The THERMOMARK CARD and the THERMOMARK PRIME mark the markers in uniform sheets, easily, quickly, and cost effectively
- The pre-perforated markers are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers according to your requirements

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Unisheet, insert label				
7-section, lettering field size: 103 x 17 mm	white	**US-EMT (103X17)**	0803846	10
	turquoise	**US-EMT (103X17) TQ**	0803847	10
5-section, lettering field size: 103 x 23 mm	white	**US-EMT (103X23)**	0803856	10
	turquoise	**US-EMT (103X23) TQ**	0803857	10
8-section, lettering field size: 13 x 109 mm	white	**US-EMT (13X109)**	0803862	10
	gray	**US-EMT (13X109) GY**	0803864	10
	turquoise	**US-EMT (13X109) TQ**	0803865	10
	yellow	**US-EMT (13X109) YE**	0803863	10
4-section, lettering field size: 23 x 109 mm	white	**US-EMT (23X109)**	0803858	10
	gray	**US-EMT (23X109) GY**	0803860	10
	turquoise	**US-EMT (23X109) TQ**	0803861	10
	yellow	**US-EMT (23X109) YE**	0803859	10
30-section, lettering field size: 31 x 12.57 mm	white	**US-EMT (31X12,5)**	0803848	10
	gray	**US-EMT (31X12,5) GY**	0803850	10
	yellow	**US-EMT (31X12,5) YE**	0803849	10
10-section, 2 lettering field sizes: 50 x 13 mm and 28 x 13 mm	white	**US-EMT (50/28X13)**	0803853	10
	turquoise	**US-EMT (50/28X13) TQ**	0803855	10
10-section, lettering field size: 50 x 26 mm	white	**US-EMT (50X26)**	0803851	10
	turquoise	**US-EMT (50X26) TQ**	0803852	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2–TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

UniSheet equipment marking, stick-on labels



- The US-EML ... UniSheet marking range includes markers for marking equipment in switchgear and systems manufacturing
- The THERMOMARK CARD and THERMOMARK PRIME mark the markers in uniform sheets, easily, quickly, and cost effectively
- The perforated markers and labels are easy to separate and can be easily fitted
- When used in conjunction with high-quality ink ribbons, they result in a highly resistant form of marking that is suitable for harsh environments
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniSheet markers according to your requirements

Can be marked using:



Thermal transfer



Marked or not according to customer specifications

Technical data

General data	
Can be marked using	THERMOMARK PRIME • THERMOMARK CARD
Material	Polyester
Temperature range [°C]	-40 ... 150
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive labels				
132-section, lettering field size: 15 x 6 mm	white	**US-EML (15X6)**	0803816	10
	yellow	**US-EML (15X6) YE**	0803817	10
	white	**US-EML (15X9)**	0803811	10
84-section, lettering field size: 15 x 9 mm	yellow	**US-EML (15X9) YE**	0803813	10
130-section, lettering field size: 16.5 x 5 mm	yellow	**US-EML (16,5X5) YE**	0803815	10
90-section, lettering field size: 16 x 7 mm	yellow	**US-EML (16X7) YE**	0803819	10
80-section, lettering field size: 17.5 x 8 mm	white	**US-EML (17,5X8)**	0800461	10
	yellow	**US-EML (17,5X8) YE**	0800463	10
1 UniSheet = 64 labels, lettering field size: 20 x 8 mm	white	**US-EML (20X8)**	0800458	10
	yellow	**US-EML (20X8) YE**	0800460	10
34-section, lettering field size: 104 x 3.8 mm	white	**US-EML (104X3,8)**	0800464	10
1-section, lettering field size: 104 x 140 mm	white	**US-EML (104X140)**	0800465	10
	yellow	**US-EML (104X140) YE**	0800467	10
	silver	**US-EML (104X140) SR**	0800466	10
UniSheet, with self-adhesive labels, 56-section, lettering field size: diameter 12.5 mm	white	**US-EML (D12,5)**	0803823	10
6-section, lettering field size: diameter 39 mm	white	**US-EML (D39)**	0803822	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

UniSheet equipment marking stick-on labels



The unmarked US-EMLF ... combi labels in card format allow you to create custom information signs. A variety of symbols which conform to ISO 7010 are available in the CLIP PROJECT software.

– High adhesive strength
– Suitable for indoor and outdoor use
– The markers, which are supplied in uniform sheets, can be marked quickly, easily, and inexpensively
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The perforated markers are easy to separate
– Marking service: Phoenix Contact can custom-mark all UniSheet markers according to your requirements

Can be marked using:



Thermal transfer



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive labels				
132-section, lettering field size: 15 x 6 mm	yellow	**US-EMLF (15X6) YE**	0803832	10
84-section, lettering field size: 15 x 9 mm	yellow	**US-EMLF (15X9) YE**	0803828	10
130-section, lettering field size: 16.5 x 5 mm	yellow	**US-EMLF (16,5X5) YE**	0803830	10
90-section, lettering field size: 16 x 7 mm	yellow	**US-EMLF (16X7) YE**	0803834	10
80-section, lettering field size: 17.5 x 8 mm	yellow	**US-EMLF (17,5X8) YE**	0803836	10
64-section, lettering field size: 20 x 8 mm	yellow	**US-EMLF (20X8) YE**	0803842	10
2-section, lettering field size: 104 x 70 mm	white	**US-EMLF (104X70)**	1014294	10
	yellow	**US-EMLF (104X70) YE**	1014295	10
	blue	**US-EMLF (104X70) BU**	1014296	10
1-section, lettering field size: 104 x 140 mm	white	**US-EMLF (104X140)**	1014291	10
	yellow	**US-EMLF (104X140) YE**	1014292	10
	blue	**US-EMLF (104X140) BU**	1014293	10
UniSheet, with self-adhesive labels, 6-section, lettering field size: diameter 39 mm				
	white	**US-EMLF (D39)**	0803845	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1

Stick-on equipment 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
– In the case of high-quality ink ribbons, the marking is resistant to solvents and suitable for use even under harsh industrial conditions
– A wide range of marker sizes and colors are available for custom designs
– The special packaging protects rolls that have already been started from the dirt found in industrial environments
– The EML ... materials are UL-listed
– **Designation example:**
EML (10x4)RL
Lettering area width: 10 mm
Lettering area height: 4 mm
Type of packaging: roll

Notes:

Additional label sizes can be found in the product area on our website at phoenixcontact.net/products



Can be marked using:

Thermal transfer for rolls



Marked or not according to customer specifications, white

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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.
Labels, can be marked with a thermal transfer printer			
1 roll = 10,000 labels	**EML (10X4)R**	0815583	1
1 roll = 10,000 labels	**EML (10X7)R**	0816663	1
1 roll = 2500 labels	**EML (15X6)R**	0803275	1
1 roll = 2500 labels	**EML (15X9)R**	0815677	1
1 roll = 2500 labels	**EML (16,5X5)R**	0816702	1
1 roll = 10,000 labels	**EML (16X7)R**	0818001	1
1 roll = 2500 labels	**EML (17,5X8)R**	0816744	1
1 roll = 2500 labels	**EML (19X6)R**	0816760	1
1 roll = 2500 labels			
1 roll = 2500 labels	**EML (20X8)R**	0816786	1
1 roll = 1000 labels	**EML (20X8)R/TL**	0802999	1
1 roll = 2500 labels			
1 roll = 2500 labels	**EML (24X3)R**	0830291	1
1 roll = 1000 labels	**EML (24X4)R**	0800061	1
1 roll = 2500 labels	**EML (25,4X12,7)R**	0816825	1
1 roll = 2500 labels			
1 roll = 2500 labels			
1 roll = 2500 labels			
1 roll = 2500 labels			
1 roll = 2500 labels			
1 roll = 1000 labels	**EML (30X20)R**	0816922	1
1 roll = 1500 labels			
1 roll = 1000 labels	**EML (36X25)R**	0803136	1
1 roll = 2500 labels	**EML (38X17)R**	0816951	1
1 roll = 2500 labels	**EML (40X6)R**	0830481	1
1 roll = 1000 labels	**EML (40X8)R**	0816980	1
1 roll = 1000 labels			
1 roll = 1000 labels	**EML (40X25)R**	0818027	1
1 roll = 1000 labels	**EML (47X22)R**	0803907	1
1 roll = 2500 labels	**EML (50X10)R**	0830483	1
1 roll = 1000 labels	**EML (51X25)R**	0817028	1
1 roll = 1000 labels	**EML (70X32)R**	0817060	1
1 roll = 400 labels	**EML (70X50)R**	0817099	1
1 roll = 2500 labels	**EML (75X10)R**	0830485	1
1 roll = 1000 labels	**EML (80X20)R**	0803138	1
1 roll = 2500 labels	**EML (90X5)R**	0817109	1
1 roll = 1000 labels	**EML (105X23)R**	0803137	1
1 roll = 500 labels			
1 roll = 300 labels	**EML (100X73)R**	0817125	1
1 roll = 250 labels	**EML (100X90)R**	0817154	1

Accessories

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



Marked or not according to customer specifications, yellow



Marked or not according to customer specifications, silver



Green and red

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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 (19X6)R YE	0800107	1
EML (20X7)R YE	0816773	1
EML (20X8)R YE	0816799	1
EML (24X4)R YE	0803683	1
EML (25,4X12,7)R YE	0816838	1
EML (26,5X17,5)R YE	0816896	1
EML (30X20)R YE	0816935	1
EML (32X25)R YE	0800020	1
EML (40X6)R YE	0830482	1
EML (40X8)R YE	0803712	1
EML (40X25)R YE	0816977	1
EML (50X10)R YE	0830484	1
EML (51X25)R YE	0817031	1
EML (70X32)R YE	0817073	1
EML (75X10)R YE	0830486	1
EML (100X30)R YE	0801816	1
EML (100X73)R YE	0817138	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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 (100X73)R SR	0817112	1
EML (100X90)R SR	0817141	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK S1.1
Polyester
-40 ... 150
-
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
EML (26,5X17,5)R GN	0815693	1
EML (26,5X17,5)R RD	0815703	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1

Stick-on equipment 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
- In the case of high-quality ink ribbons, the marking is resistant to solvents and suitable for use even under harsh industrial conditions
- A wide range of marker sizes and colors are available for custom designs
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- The EML ... materials are UL-listed
- **Designation example:**
  EML (10x4)RL
  Lettering area width: 10 mm
  Lettering area height: 4 mm
  Type of packaging: roll

Notes:

The THERMOMARK ROLL–ERH external media hub is required for RL rolls, see under “Printers” on page 46.



Can be marked using:

Thermal transfer for rolls



Marked or not according to customer specifications, transparent and white

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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.
Labels, on a large roll, can be marked with a thermal transfer printer			
1 roll = 10,000 labels			
1 roll = 10,000 labels	**EML (16,5X5)RL**	**0816113**	1
1 roll = 10,000 labels			
1 roll = 10,000 labels			
1 roll = 10,000 labels			
1 roll = 10,000 labels	**EML (19X6,4)RL**	**0816142**	1
1 roll = 10,000 labels			
1 roll = 10,000 labels	**EML (25,4X12,7)RL**	**0816087**	1
1 roll = 10,000 labels	**EML (38,1X19)RL**	**0816171**	1
1 roll = 3000 labels	**EML (50,8X25,4)RL**	**0816184**	1
1 roll = 3000 labels	**EML (69,8X31,8)RL**	**0816197**	1
1 roll = 2500 labels			
1 roll = 1000 labels			
Labels, round, 17.5 mm diameter			
1 roll = 2500 labels	**EML (D17,5)R**	**0815774**	1
Labels as standard, large roll and continuous label, color: transparent, can be marked with a thermal transfer printer			
1 roll = 2500 labels	**EML (25,4X12,7)R TR**	**0801841**	1
1 roll = 90 m continuous, height: 37 mm	**EML (37XE)RL TR**	**0815716**	1
1 roll = 1000 labels	**EML (51X12,5)R TR**	**0815745**	1
Labels, on a large roll, can be marked with a thermal transfer printer			
1 roll = 90 m continuous, height: 100 mm			
Labels, on a large roll, can be marked with a thermal transfer printer			
1 roll = 20,000 labels	**EML (20X8)RXL**	**0802762**	1
Continuous labels, can be marked with thermal transfer printers, can be separated with a cutter, pitch as desired, strip length up to 1000 mm,			
1 roll = 40 m continuous, height: 40 mm	**EML (40XE)R**	**0804540**	1
1 roll = 40 m continuous, height: 60 mm	**EML (60XE)R**	**0804542**	1
1 roll = 40 m continuous, height: 70 mm	**EML (70XE)R**	**0803438**	1
1 roll = 40 m continuous, height: 110 mm	**EML (110XE)R**	**0815596**	1

Accessories

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



Marked or not according to customer specifications, yellow



Marked or not according to customer specifications, silver

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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 (15X6)RL YE	0804548	1
EML (16,5X5)RL YE	0816126	1
EML (17,5X8)RL YE	0816139	1
EML (18X6)RL YE	0828460	1
EML (18X7)RL YE	0802733	1
EML (20X8)RL YE	0816155	1
EML (76,2X6,5)RL YE	0816207	1
EML (40XE)R YE	0804541	1
EML (60XE)R YE	0804543	1
EML (110XE)R YE	0815606	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK S1.1
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
EML (101,6X25,4)RL SR	0815790	1
EML (100XE)RL SR	0815787	1
EML (110XE)R SR	0801994	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1

Stick-on equipment marking for applications in process engineering



- The self-adhesive EML ...-EX device markers mark different equipment in the Ex area
- The marking requirements in terms of legibility, adhesion, and wipe resistance in potentially explosive areas (ATEX), according to IEC/EN 60079-0, are also fulfilled following storage in typical gas atmospheres.
  Phoenix Contact developed these labels especially for process engineering, which is where these requirements typically arise. These labels meet the requirements for wipe resistance according to DIN EN 61010-1 against aggressive media such as acetone, ethanol, and MEK
- They are only suitable in conjunction with the TM-RIBBON110-EX
- Thanks to the special condition of the surface and adhesive, the marker meets the demanding requirements of process engineering
- In the case of high-quality ink ribbons, the marking is resistant to solvents and suitable for use even under harsh industrial conditions
- A wide range of marker sizes and colors are available for custom designs
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- Marking service: Phoenix Contact can custom-mark all EML markers according to your requirements
- **Designation example:**
  EML (10x4)R
  Lettering area width: 10 mm
  Lettering area height: 4 mm
  EX = EX applications
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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, for Ex areas, can be marked with a thermal transfer printer				
1 roll = 10,000 labels	white	**EML-EX (10X4)R**	0803251	1
1 roll = 2500 labels	white	**EML-EX (15X9)R**	0803253	1
1 roll = 2500 labels	white	**EML-EX (20X8)R**	0803254	1
1 roll = 2500 labels	white	**EML-EX (30X20)R**	0803255	1
1 roll = 1000 labels	white	**EML-EX (40X25)R**	0803256	1
1 roll = 400 labels	white	**EML-EX (70X50)R**	0803257	1
1 roll = 300 labels	white	**EML-EX (100X40)R**	0803258	1
1 roll = 300 labels	white	**EML-EX (100X73)R**	0803259	1
1 roll = 250 labels	white	**EML (100X90)R-EX**	0803260	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 280 m, width: 110 mm		
TM-RIBBON 110-EX	0803211	1

Stick-on equipment marking



- The EMLP ... self-adhesive markers meet the same standards as the engraved labels
- Quick and cost-effective marking with THERMOMARK ROLL... printers
- High-quality visuals
- High level of resistance to chemical and mechanical effects
- Mainly for marking electrical components, devices, and buttons
- Marking service: Phoenix Contact can custom-mark all EMLP ... markers in accordance with your requirements
- **Designation example:**
  EMLP (13x9)R
  Lettering area width: 13 mm
  Lettering area height: 9 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Labels, can be marked with a thermal transfer printer				
1 roll = 500 labels	white	**EMLP (13X9)R**	0819453	1
1 roll = 500 labels	white	**EMLP (17X7)R**	0826844	1
1 roll = 500 labels	white	**EMLP (17,5X12)R**	0819466	1
1 roll = 3000 labels	white	**EMLP (17,5X15)R**	0802684	1
1 roll = 500 labels	white	**EMLP (20X7)R**	0819479	1
1 roll = 500 labels	white	**EMLP (20X8)R**	0819482	1
1 roll = 500 labels	white	**EMLP (22X12)R**	0819495	1
1 roll = 500 labels	white	**EMLP (27X12,5)R**	0804488	1
1 roll = 500 labels	white	**EMLP (45X15)R**	0801820	1
1 roll = 500 labels	white	**EMLP (45X25)R**	0802727	1
1 roll = 250 labels	white	**EMLP (60X30)R**	0819505	1
1 roll = 500 labels	white	**EMLP (65X25)R**	0802728	1
1 roll = 3000 labels	silver	**EMLP (17,5X15)R SR**	0802685	1
1 roll = 500 labels	silver	**EMLP (27X8)R SR**	0819518	1
1 roll = 500 labels	silver	**EMLP (27X12,5)R SR**	0819521	1
1 roll = 500 labels	silver	**EMLP (27X18)R SR**	0819534	1
1 roll = 500 labels	silver	**EMLP (22X22)R SR**	0825528	1
1 roll = 500 labels	silver	**EMLP (27X27)R SR**	0827467	1
1 roll = 500 labels	silver	**EMLP (45X15)R SR**	0819547	1
1 roll = 250 labels	silver	**EMLP (60X30)R SR**	0801729	1
1 roll = 500 labels	blue	**EMLP (60X30)R BU**	0804275	1
1 roll = 500 labels	red	**EMLP (60X30)R RD**	0804276	1
Diameter 30 mm 1 roll = 500 labels, diameter: 30 mm	white	**EMLP (D30)R RD**	0803437	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm	**TM-RIBBON 110-TC/TR WH**	1014402	1

Stick-on equipment marking, continuous



- The EMLP Ex... self-adhesive markers are equivalent to engraved labels
- Quick and cost-effective marking with THERMOMARK ROLL... printers
- High-quality visuals
- High level of resistance to chemical and mechanical effects
- Mainly for marking electrical components, devices, and buttons
- Marking service: Phoenix Contact can custom-mark all EMLP ... markers in accordance with your requirements
- **Designation example:**
  EMLP (Ex15)R
  Lettering area length: continuous
  Lettering area height: 15 mm
  Type of packaging: roll

Notes:

[1]) EMLP (Ex30)R ... can only be cut with the perforation cutter of the THERMOMARK ROLLMASTER or THERMOMARK X1.2.

Can be marked using:

Thermal transfer for rolls

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Marked or not according to customer specifications

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Continuous labels, can be marked with thermal transfer printers, strip length up to 1000 mm, 1 roll = 20 m continuous, height: 15 mm	white	**EMLP (EX15)R**	0802686	1
	silver	**EMLP (EX15)R SR**	0802687	1
	yellow	**EMLP (EX15)R YE**	0803276	1
	black	**EMLP (EX15)R BK**	0803279	1
	blue	**EMLP (EX15)R BU**	0803277	1
	red	**EMLP (EX15)R RD**	0803280	1
Continuous labels, can be marked with thermal transfer printers, strip length up to 1000 mm,[1]) 1 roll = 20 m continuous, height: 30 mm	white	**EMLP (EX30)R**	0802688	1
	silver	**EMLP (EX30)R SR**	0802689	1
	red	**EMLP (EX30)R RD**	0803436	1
		EMLP (EX30)R BU	0804281	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm		**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm		**THERMOMARK-RIBBON 110/50**	0800687	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm		**TM-RIBBON 110-TC/TR WH**	1014402	1

Stick-on equipment marking, for 24 mm buttons



- The EMLP 24 ... and EMLP 30 ... self-adhesive markers are particularly suited to marking electrical buttons
- Quick and cost-effective marking with THERMOMARK ROLL... printers
- High-quality visuals
- High level of resistance to chemical and mechanical effects
- Marking service: Phoenix Contact can custom-mark all EMLP ... markers in accordance with your requirements
- **Designation example:**
  EMLP 24 (30x12)R
  Hole diameter: 24 mm
  Lettering area width: 30 mm
  Lettering area height: 12 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

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

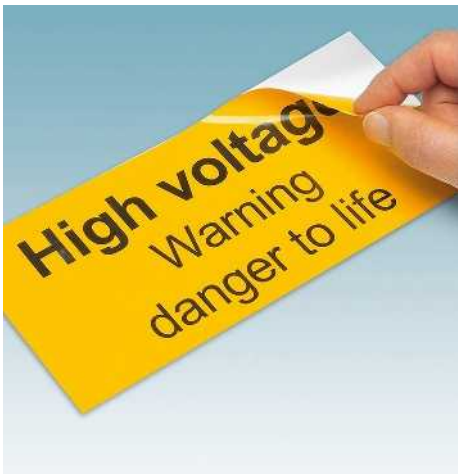
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Continuous labels, for 24 mm and 30 mm buttons, can be marked with thermal transfer printers				
1 roll = 500 labels	white	**EMLP 24 (30X12)R**	0819550	1
1 roll = 500 labels	silver	**EMLP 24 (30X12)R SR**	0819563	1
Markers for 30 mm buttons, can be marked with thermal transfer printers				
1 roll = 500 labels	white	**EMLP 30 (45X10)R**	0801855	1
1 roll = 500 labels	yellow	**EMLP 30 (45X10)R YE**	0801857	1

Accessories

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

Highly flexible PVC stick-on equipment marking



- Highly flexible, soft PVC label that adapts well to uneven surfaces
- Extremely high-quality appearance
- Outdoor-durable for up to eight years when subject to a temperature range of -40°C to 90°C
- Marking service: Phoenix Contact can custom-mark all EML markers according to your requirements
- **Designation example:**
  EMLF (108xE)R
  Lettering area length: continuous
  Lettering area height: 108 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

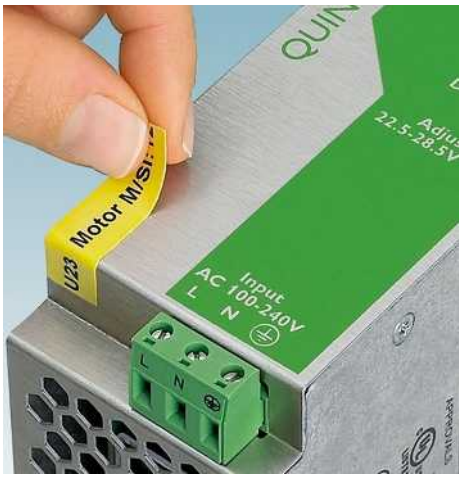
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Labels, flexible, can be marked with a thermal transfer printer				
1 roll = 250 labels	silver	**EMLF (85X32)R SR**	0800680	1
Continuous labels, flexible, can be marked with thermal transfer printers, can be separated with a cutter, pitch as desired, strip length up to 1000 mm,				
1 roll = 48 m continuous, height: 108 mm	white	**EMLF (108XE)R**	0800549	1
1 roll = 48 m continuous, height: 108 mm	yellow	**EMLF (108XE)R YE**	0800550	1
1 roll = 48 m continuous, height: 108 mm	silver	**EMLF (108XE)R SR**	0800551	1
1 roll = 48 m continuous, height: 108 mm	transparent	**EMLF (108XE)R TR**	0800552	1
1 roll = 48 m continuous, height: 108 mm	blue	**EMLF (108XE)R BU**	0804197	1
1 roll = 48 m continuous, height: 108 mm	orange	**EMLF (108XE)R OG**	0804199	1
1 roll = 48 m continuous, height: 108 mm	red	**EMLF (108XE)R RD**	0804198	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	5145384	1
THERMOMARK-RIBBON 110		
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	0800687	1
THERMOMARK-RIBBON 110/50		
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm	1014402	1
TM-RIBBON 110-TC/TR WH		

Highly-flexible fabric foil for self-adhesion



- 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
- **Designation example:**
  EMLC (5,5x20)R
  Lettering area width: 5.5 mm
  Lettering area height: 20 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Textile labels				
1 roll = 10,000 labels	white	**EMLC (5,5X20)R**	0817617	1
1 roll = 5000 labels	white	**EMLC (5,5X40)R**	0817620	1
1 roll = 2500 labels	white	**EMLC (15X9)R**	0804527	1
1 roll = 2500 labels	white	**EMLC (17,5X8)R**	0804528	1
1 roll = 2500 labels	white	**EMLC (20X8)R**	0815680	1
1 roll = 1000 labels	white	**EMLC (40X8)R**	0800554	1
1 roll = 2500 labels	yellow	**EMLC (15X9)R YE**	0800236	1
1 roll = 2500 labels	yellow	**EMLC (17,5X8)R YE**	0800237	1
1 roll = 2500 labels	yellow	**EMLC (20X8)R YE**	0800235	1
1 roll = 10,000 labels	yellow	**EMLC (20X8)RL YE**	0815800	1
1 roll = 2500 labels	yellow	**EMLC (25,4X12,7)R YE**	0800238	1
1 roll = 1000 labels	yellow	**EMLC (38X17)R YE**	0800557	1
1 roll = 1000 labels	yellow	**EMLC (40X8)R YE**	0800555	1
1 roll = 750 labels	yellow	**EMLC (51X25)R YE**	0800558	1
Fabric label, size according to customer specifications				
W x H: max. 100 mm x max. 500 mm	white	**EMLC (...X...)R**	0803084	1
	yellow	**EMLC (...X...)R YE**	0803085	1

Accessories

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

Equipment marking for sticking onto rough or textured surfaces



Thanks to the special adhesive, the EML-HA ... self-adhesive device markers have excellent adhesive properties on rough, textured, and low-energy surfaces.

- Precise printing quality
- In the case of high-quality ink ribbons, the marking is resistant to solvents and suitable for use even under harsh industrial conditions
- A wide range of different marker sizes are available in white and silver for custom designs
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- Marking service: Phoenix Contact can custom-mark all EML−HA ... labels according to your requirements.
- The labeling material is UL listed
- **Designation example:**
  EML-HA (15x9)R
  Lettering area width: 15 mm
  Lettering area height: 9 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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, for coarse surfaces, strongly adhesive, white color, can be marked with thermal transfer printer				
1 roll = 2500 labels	white	**EML-HA (15X9)R**	0830600	1
1 roll = 2500 labels	white	**EML-HA (19X6)R**	0830601	1
1 roll = 2500 labels	white	**EML-HA (26,5X12)R**	0830603	1
1 roll = 2500 labels	white	**EML-HA (40X8)R**	0830604	1
1 roll = 1000 labels	white	**EML-HA (40X15)R**	0830605	1
1 roll = 1000 labels	white	**EML-HA (51X25)R**	0830729	1
1 roll = 1000 labels	white	**EML-HA (60X30)R**	0830606	1
1 roll = 1000 labels	white	**EML-HA (70X32)R**	0830607	1
1 roll = 1000 labels	white	**EML-HA (70X50)R**	0830730	1
1 roll = 250 labels	white	**EML-HA (70X150)R**	0830608	1
1 roll = 1000 labels	white	**EML-HA (76X51)R**	0830609	1
1 roll = 1000 labels	white	**EML-HA (85X32)R**	0830610	1
1 roll = 300 labels	white	**EML-HA (100X73)R**	0830731	1
1 roll = 250 labels	white	**EML-HA (100X90)R**	0830732	1
Labels, for coarse surfaces, strongly adhesive, silver color, can be marked with thermal transfer printer				
1 roll = 2500 labels	silver	**EML-HA (15X9)R SR**	0830611	1
1 roll = 2500 labels	silver	**EML-HA (19X6)R SR**	0830612	1
1 roll = 2500 labels	silver	**EML-HA (26,5X12)R SR**	0830614	1
1 roll = 2500 labels	silver	**EML-HA (40X8)R SR**	0830615	1
1 roll = 1000 labels	silver	**EML-HA (40X15)R SR**	0830616	1
1 roll = 1000 labels	silver	**EML-HA (51X25)R SR**	0830733	1
1 roll = 1000 labels	silver	**EML-HA (60X30)R SR**	0830617	1
1 roll = 1000 labels	silver	**EML-HA (70X32)R SR**	0830618	1
1 roll = 1000 labels	silver	**EML-HA (70X50)R SR**	0830734	1
1 roll = 250 labels	silver	**EML-HA (70X150)R SR**	0830619	1
1 roll = 1000 labels	silver	**EML-HA (76X51)R SR**	0830620	1
1 roll = 1000 labels	silver	**EML-HA (85X32)R SR**	0830621	1
1 roll = 300 labels	silver	**EML-HA (100X73)R SR**	0830735	1
1 roll = 250 labels	silver	**EML-HA (100X90)R SR**	0830736	1
Label, for rough plastic surfaces, highly adhesive, according to customer specifications				
W x H: max. 100 mm x max. 500 mm	white	**EML-HA (...X...)R**	0803089	1
	silver	**EML-HA (...X...)R SR**	0803091	1

Accessories

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

Stick-on equipment marking, for high-temperature applications



- White polyimide labels with high level of temperature resistance
- Continuous temperature range of -40°C to +180°C, for up to 60 seconds up to 300°C,
- For marking PCBs, can be used in all industrial soldering processes
- High weathering and chemical resistance
- The marking material is UL listed
- **Designation example: EML-HT (15x9)R**
  Lettering area width: 15 mm
  Lettering area height: 9 mm
  Type of packaging: roll
- Single-width large roll with 8000 or 10,000 labels in one length (see illustration below)

Notes:

If large rolls are processed with the THERMOMARK ROLL, use the external THERMOMARK ROLL-ERH media hub.

EML-HT...RL-T cannot be marked with the THERMOMARK S1.1.

Can be marked using:



Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

General data	
Can be marked using	THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2 • THERMOMARK S1.1
Material	Acrylate
Temperature range [°C]	-40 ... 180
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
High-temperature labels				
1 roll = 4000 labels	white	**EML-HT (15X6)R**	0830644	1
1 roll = 4000 labels	white	**EML-HT (15X15)R**	0800341	1
1 roll = 4000 labels	white	**EML-HT (20X7)R**	0830645	1
1 roll = 2500 labels	white	**EML-HT (32X10)R**	0830649	1
1 roll = 1000 labels	white	**EML-HT (40X15)R**	0800339	1
1 roll = 1000 labels	white	**EML-HT (50X10)R**	0800338	1
High-temperature labels, on a large roll, can be marked with a thermal transfer printer				
1 roll = 10,000 labels	white	**EML-HT (8X8)RL-T**	0830651	1
1 roll = 10,000 labels	white	**EML-HT (15X6)RL-T**	0830652	1
1 roll = 8000 labels	white	**EML-HT (15X15)RL-T**	0830653	1
1 roll = 10,000 labels	white	**EML-HT (20X7)RL-T**	0830654	1
1 roll = 10,000 labels	white	**EML-HT (24X4)RL-T**	0830655	1
1 roll = 10,000 labels	white	**EML-HT (25X8)RL-T**	0830656	1
1 roll = 10,000 labels	white	**EML-HT (25,4X12,7)RL-T**	0830657	1
1 roll = 10,000 labels	white	**EML-HT (32X10)RL-T**	0830658	1
1 roll = 10,000 labels	white	**EML-HT (35X6,5)RL-T**	0830659	1
1 roll = 8000 labels	white	**EML-HT (40X15)RL-T**	0830660	1
1 roll = 10,000 labels	white	**EML-HT (45X5)RL-T**	0830661	1
1 roll = 10,000 labels	white	**EML-HT (50X10)RL-T**	0830662	1
High-temperature labels, according to customer specifications				
W x H: max. 100 mm x max. 500 mm	white	**EML-HT (...X...)R**	0803086	1

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-EML-HT**	0800342	1



Stick-on equipment marking, for ESD applications



– 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 area width: 8 mm
Lettering area height: 8 mm
Type of packaging: roll

Notes:

If large rolls are processed with the THERMOMARK ROLL, use the external THERMOMARK ROLL-ERH media hub.

EML-ESD... RL-T cannot be marked with the THERMOMARK S1.1.



Can be marked using:

Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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, for ESD applications, can be marked with a thermal transfer printer				
1 roll = 4000 labels	white	**EML-ESD (8X8)R**	0830564	1
1 roll = 4000 labels	white	**EML-ESD (15X6)R**	0830565	1
1 roll = 4000 labels	white	**EML-ESD (15X15)R**	0830566	1
1 roll = 4000 labels	white	**EML-ESD (20X7)R**	0830567	1
1 roll = 4000 labels	white	**EML-ESD (24X4)R**	0830568	1
1 roll = 4000 labels	white	**EML-ESD (25X8)R**	0830569	1
1 roll = 2500 labels	white	**EML-ESD (25,4X12,7)R**	0830570	1
1 roll = 2500 labels	white	**EML-ESD (35X6,5)R**	0830572	1
1 roll = 2500 labels	white	**EML-ESD (40X15)R**	0830573	1
1 roll = 1000 labels	white	**EML-ESD (50X10)R**	0830575	1
Labels, for ESD applications, on large rolls, can be marked with a thermal transfer printer				
1 roll = 10,000 labels	white	**EML-ESD (8X8)RL-T**	0830576	1
1 roll = 10,000 labels	white	**EML-ESD (15X6)RL-T**	0830577	1
1 roll = 8000 labels	white	**EML-ESD (15X15)RL-T**	0830578	1
1 roll = 10,000 labels	white	**EML-ESD (20X7)RL-T**	0830579	1
1 roll = 10,000 labels	white	**EML-ESD (24X4)RL-T**	0830580	1
1 roll = 10,000 labels	white	**EML-ESD (25X8)RL-T**	0830581	1
1 roll = 10,000 labels	white	**EML-ESD (25,4X12,7)RL-T**	0830582	1
1 roll = 10,000 labels	white	**EML-ESD (32X10)RL-T**	0830583	1
1 roll = 10,000 labels	white	**EML-ESD (35X6,5)RL-T**	0830584	1
1 roll = 8000 labels	white	**EML-ESD (40X15)RL-T**	0830585	1
1 roll = 10,000 labels	white	**EML-ESD (45X5)RL-T**	0830586	1
1 roll = 10,000 labels	white	**EML-ESD (50X10)RL-T**	0830587	1

Accessories

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

Stick-on equipment marking, removable



- Particularly suitable for temporary marking
- The labels adhere well and are reliable. They can be easily removed again without leaving residue
- The labels cannot be reused after removal
- Marking service: Phoenix Contact can custom-mark all EML-RM ... markers according to your requirements
- **Designation example:**
  EML-RM (8x8)R
  Lettering area width: 8 mm
  Lettering area height: 8 mm
  Type of packaging: roll

Notes:

If large rolls are processed with the THERMOMARK ROLL, use the external THERMOMARK ROLL-ERH media hub.

EML-RM...RL-T cannot be marked with the THERMOMARK S1.1.



Can be marked using:



Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

General data	
Can be marked using	THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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, can be removed again, can be marked with a thermal transfer printer				
1 roll = 4000 labels	white	**EML-RM (8X8)R**	0830528	1
1 roll = 4000 labels	white	**EML-RM (15X6)R**	0830529	1
1 roll = 4000 labels	white	**EML-RM (15X15)R**	0830530	1
1 roll = 4000 labels	white	**EML-RM (20X7)R**	0830531	1
1 roll = 4000 labels	white	**EML-RM (24X4)R**	0830532	1
1 roll = 4000 labels	white	**EML-RM (25X8)R**	0830533	1
1 roll = 2500 labels	white	**EML-RM (25,4X12,7)R**	0830534	1
1 roll = 2500 labels	white	**EML-RM (35X6,5)R**	0830536	1
1 roll = 2500 labels	white	**EML-RM (40X15)R**	0830537	1
1 roll = 2500 labels	white	**EML-RM (45X5)R**	0830538	1
1 roll = 1000 labels	white	**EML-RM (70X50)R**	0803186	1
Labels, can be removed again, on a large roll, can be marked with a thermal transfer printer				
1 roll = 10,000 labels	white	**EML-RM (8X8)RL-T**	0830540	1
1 roll = 10,000 labels	white	**EML-RM (15X6)RL-T**	0830541	1
1 roll = 8000 labels	white	**EML-RM (15X15)RL-T**	0830542	1
1 roll = 10,000 labels	white	**EML-RM (20X7)RL-T**	0830543	1
1 roll = 10,000 labels	white	**EML-RM (24X4)RL-T**	0830544	1
1 roll = 10,000 labels	white	**EML-RM (25X8)RL-T**	0830545	1
1 roll = 10,000 labels	white	**EML-RM (25,4X12,7)RL-T**	0830546	1
1 roll = 10,000 labels	white	**EML-RM (32X10)RL-T**	0830547	1
1 roll = 10,000 labels	white	**EML-RM (35X6,5)RL-T**	0830548	1
1 roll = 8000 labels	white	**EML-RM (40X15)RL-T**	0830549	1
1 roll = 10,000 labels	white	**EML-RM (45X5)RL-T**	0830550	1
1 roll = 10,000 labels	white	**EML-RM (50X10)RL-T**	0830551	1

Accessories

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

Stick-on equipment marking, with anti-tamper protection



– Tamper-proof label, can be used as a rating plate or seal, for example
– When detaching, a part of the metalized layer separates. It leaves a triangular pattern on the label and substrate
– The safety function is reliable up to 80°C
– Marking service: Phoenix Contact can custom-mark all EMLS ... markers in accordance with your requirements
– The EMLS ... materials are UL-listed
– **Designation example:**
EMLS (15x9)R SR
Lettering field size: 15 x 9 mm
Type of packaging: roll

Can be marked using:



Thermal transfer for rolls

PRINTED FOR YOU



Marked or not according to customer specifications

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Safety labels, can be marked with thermal transfer printer				
1 roll = 2500 labels	silver	**EMLS (15X9)R SR**	0800347	1
1 roll = 2500 labels	silver	**EMLS (19X6)R SR**	0800343	1
1 roll = 1000 labels	silver	**EMLS (20X20)R SR**	0800344	1
1 roll = 1000 labels	silver	**EMLS (26,5X12)R SR**	0800353	1
1 roll = 1000 labels	silver	**EMLS (38,1X19)R SR**	0800354	1
1 roll = 1000 labels	silver	**EMLS (40X8)R SR**	0800348	1
1 roll = 1000 labels	silver	**EMLS (40X15)R SR**	0800345	1
1 roll = 500 labels	silver	**EMLS (60X30)R SR**	0800355	1
1 roll = 500 labels	silver	**EMLS (70X32)R SR**	0800346	1
1 roll = 100 labels	silver	**EMLS (70X150)R SR**	0800351	1
1 roll = 250 labels	silver	**EMLS (76X51)R SR**	0800350	1
1 roll = 250 labels	silver	**EMLS (85X32)R SR**	0800356	1
Safety label, with special adhesive, according to customer specifications				
W x H: max. 100 mm x max. 500 mm	silver	**EMLS (...X...)R SR**	0803088	1

Accessories

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

Equipment marking for rotary switches from Phoenix Contact



- EML-RS for marking rotary switches from Phoenix Contact
- For either sticking on or snapping in with transparent EMPPR (45,8x45,8) cover
- Additional protection under extreme ambient conditions with the transparent EMPPR (45,8x45,8) cover



Marked or not according to customer specifications

Technical data

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

Ordering data

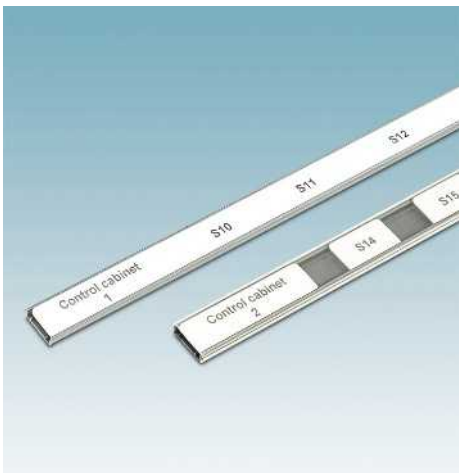
Description	Color	Type	Order No.	Pcs./Pkt.
Labels, can be marked with a thermal transfer printer				
1 roll = 250 labels	white	**EML-RS (45,7X45,7)R**	0803387	1
1 roll = 250 labels	silver	**EML-RS (45,7X45,7)R SR**	0803187	1

Accessories

Snap-in shock protection, for RS20-... rotary switches, transparent		
EMPPR (45,8X45,8)	0803389	25

Notes:

For corresponding CARRIER-EMP... carrier profiles, see phoenixcontact.net/products



- The EMT marking range includes markers for all products with tall and flat marker grooves
- Marking service: Phoenix Contact can custom-mark all EMT ... markers according to your requirements
- **Designation example:**
  EMT (Ex15)R
  Length of lettering field: continuous
  Lettering area height: 15 mm
  Type of packaging: roll



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		PVC
Temperature range	[°C]	-30 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Continuous insert strips, can be marked with thermal transfer printers, can be separated with a cutter, pitch as desired, strip length up to 1000 mm				
1 roll = 50 m continuous, height: 15 mm	white	**EMT (EX15)R**	0830671	1

Snap-in equipment markers for Axioline systems from Phoenix Contact



- EMT ... insert strips are available in different sizes for marking the Axioline modules from Phoenix Contact
- EMT (62...)R insert strips are available in different sizes for marking the Inline modules from Phoenix Contact
- Can be printed using all the thermal transfer printers available from Phoenix Contact
- Precise printing quality
- Marking service: Phoenix Contact can custom-mark all EMT ... markers according to your requirements
- An overview of the devices that support marking can be found starting on page 270
- **Designation example:**
  EMT (35x18,7)R
  Lettering area width: 35 mm
  Lettering area height: 18.7 mm
  Type of packaging: roll

Can be marked using:



Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Insert strips for Axioline modules, can be marked with thermal transfer printers				
1 roll = 500 insert strips	white	**EMT (35X18,7)R**	0801831	1
1 roll = 500 insert strips	white	**EMT (35X28)R**	0801602	1
	yellow	**EMT (35X28)R YE**	0801603	1
1 roll = 500 insert strips	white	**EMT (35X46)R**	0801604	1
	yellow	**EMT (35X46)R YE**	0801605	1
1 roll = 500 insert strips	white	**EMT (62X10)R**	0800057	1
	yellow	**EMT (62X10)R YE**	0800477	1
1 roll = 250 insert strips	white	**EMT (62X46)R**	0800059	1
	yellow	**EMT (62X46)R YE**	0800478	1
1 roll = 1000 insert strips	white	**EMT (80X15,5)R**	0804286	1

Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1

Equipment markers for Siemens 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
- Marking service: Phoenix Contact can custom-mark all EMT ... markers according to your requirements
- An overview of the devices that support marking can be found starting on page 270
- **Designation example:**
  EMT (9,8x38,2)R TQ
  Lettering area width: 9.8 mm
  Lettering area height: 38.2 mm
  Color: turquoise
  Type of packaging: roll

Notes:

For additional information on the use of Siemens devices, see the product area on our website at phoenixcontact.net/products.

Can be marked using:



Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

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

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Insert strips, can be marked with thermal transfer printer				
1 roll = 500 insert strips	turquoise	**EMT (9,8X38,2)R TQ**	0803893	1
	yellow	**EMT (9,8X38,2)R YE**	0803892	1
1 roll = 500 insert strips	white	**EMT (13X109)R**	0803894	1
	gray	**EMT (13X109)R GY**	0803898	1
	turquoise	**EMT (13X109)R TQ**	0803897	1
	yellow	**EMT (13X109)R YE**	0803895	1
1 roll = 500 insert strips	white	**EMT (23X109)R**	0803457	1
	turquoise	**EMT (23X109)R TQ**	0803458	1
	yellow	**EMT (23X109)R YE**	0803459	1
	gray	**EMT (23X109)R GY**	0803460	1
1 roll = 500 insert strips	white	**EMT (31X12,5)R**	0800008	1
	yellow	**EMT (31X12,5)R YE**	0802764	1
	gray	**EMT (31X12,5)R GY**	0801612	1
1 roll = 500 insert strips	white	**EMT (50X26)R**	0800052	1
	turquoise	**EMT (50X26)R TQ**	0800053	1
	yellow	**EMT (50X26)R YE**	0800054	1
1 roll = 500 insert strips	white	**EMT (103X17)R**	0800039	1
	turquoise	**EMT (103X17)R TQ**	0800041	1
	yellow	**EMT (103X17)R YE**	0800436	1
1 roll = 500 insert strips	white	**EMT (103X23)R**	0800040	1
	yellow	**EMT (103X23)R YE**	0800437	1
	turquoise	**EMT (103X23)R TQ**	0800042	1
Insert strips with two lettering field sizes, can be marked with thermal transfer printers, 1 roll = 500 insert strips each, lettering field size: 50 x 12.8 mm and 27.5 x 12.8 mm	white	**EMT (50/28X13)R**	0800049	1
	yellow	**EMT (50/28X13)R YE**	0800438	1
	yellow	**EMT (50/28X13)RL YE**	0802944	1
	turquoise	**EMT (50/28X13)R TQ**	0800050	1
	red	**EMT (50/28X13)R RD**	0832082	1
Continuous insert strips, can be marked with thermal transfer printers, can be separated with a cutter, pitch as desired, strip length Up to 1000 mm, 1 roll = 30 m continuous, width: 14 mm	white	**EMT (EX14)R**	0803461	1
	turquoise	**EMT (EX14)R TQ**	0803462	1
	yellow	**EMT (EX14)R YE**	0803463	1
1 roll = 30 m continuous, width 17 mm	white	**EMT (EX17)R**	0804546	1
1 roll = 30 m continuous, width 38 mm	white	**EMT (EX38)R**	0804547	1
1 roll = 30 m continuous, width 40 mm	white	**EMT (EX40)R**	0804545	1

Accessories

Ink ribbon for roll printer, print color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-WMTB HF**	5148007	1

Stick-on equipment marking



- Specially developed labels for laser printers
- Can be printed on all commercially available laser printers
- The unperforated SK U ... sheets are available for custom label designs
- Marking service: Phoenix Contact can custom-mark all BMKL ... markers in accordance with your requirements
- **Designation example:**
  BMKL 12x12 WH
  Lettering area width: 12 mm
  Lettering area height: 12 mm
  WH = white
  Type of packaging: sheet

Notes:

Print image may vary depending on laser printer.

Can be marked using:



Office laser printing



Marked or not according to customer specifications

Technical data

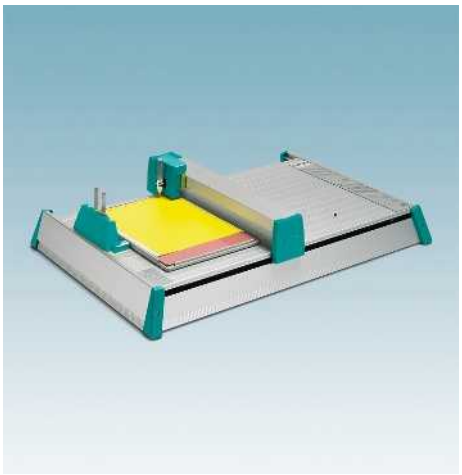
General data		
Can be marked using		- • Office printing systems
Material		Polyester
Temperature range	[°C]	-20 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Sheet of labels for laser printer, DIN A4				
1 sheet = 273 labels	white	**BMKL 12X12 WH**	5032361	10
1 sheet = 290 labels	white	**BMKL 15X 9 WH**	0803663	10
1 sheet = 396 labels	white	**BMKL 18X 6 WH**	5032293	10
1 sheet = 288 labels	white	**BMKL 18X 8 WH**	5032329	10
1 sheet = 224 labels	white	**BMKL 20X 8 WH**	5032280	10
1 sheet = 224 labels	white	**BMKL 25X 8 WH**	5032332	10
1 sheet = 147 labels	white	**BMKL 25X12 WH**	5032374	10
1 sheet = 228 labels	white	**BMKL 26,8X6,8 WH**	0807106	10
1 sheet = 63 labels	white	**BMKL 50X12 WH**	5032387	10
1 sheet = 45 labels	white	**BMKL 64X16 WH**	0821807	2
1 sheet = 21 labels	white	**BMKL 64X34 WH**	5032400	10
1 sheet = 290 labels	yellow	**BMKL 15X 9 YE**	5032497	10
1 sheet = 405 labels	yellow	**BMKL 16X 6 YE**	0807096	10
1 sheet = 288 labels	yellow	**BMKL 18X 8 YE**	5032170	10
1 sheet = 168 labels	yellow	**BMKL 19X11 YE**	0800705	10
1 sheet = 224 labels	yellow	**BMKL 20X 8 YE**	5032138	10
1 sheet = 162 labels	yellow	**BMKL 26X10 YE**	0811516	10
1 sheet = 45 labels	yellow	**BMKL 64X16 YE**	0821810	2
1 sheet = 192 labels	silver	**BMKL 27X 8 SR**	0803702	10
1 sheet = 126 labels	silver	**BMKL 27X12,5 SR**	0803676	10
1 sheet = 84 labels	silver	**BMKL 27X18 SR**	0803689	10
1 sheet = 54 labels	silver	**BMKL 27X27 SR**	0803692	10
1 sheet = 360 labels	orange	**BMKL 18X 6,5 OG**	5036147	10
Marking sheet, unperforated, self-adhesive, DIN A4 format				
	white	**SK U WH:UNGESTANZT**	0800129	10
	yellow	**SK U YE:UNGESTANZT**	0800132	10
	silver	**SK U SR:UNGESTANZT**	0800145	10
	transparent	**SK U TR:UNGESTANZT**	0806699	10



Stick-on equipment marking

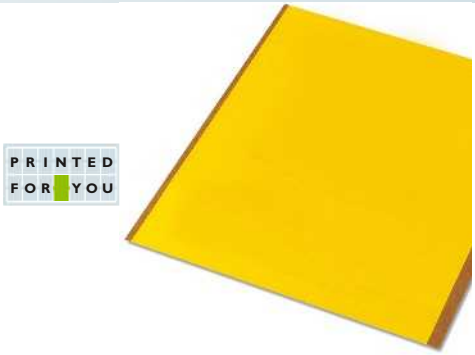


– Self-adhesive labels for marking by hand or with a plotter
– Secure adhesion even on curved or uneven surfaces as well as at corners
– Available in various dimensions
– Marking service: Phoenix Contact can custom-mark all BMK ... markers in accordance with your requirements

Can be marked using:



Plotter



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		CMS-P1-PLOTTER • PLOTMARK
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

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 equipment marking, can be engraved or marked 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 marked using the CMS−P1−PLOTTER
- Can be engraved using the P1 ENGRAVING UNIT
- Two-layer material
- Marking service: Phoenix Contact can custom-mark all GPE ... markers in accordance with your requirements
- **Designation example:**
  GPE 13x9 WH
  Lettering area width: 13 mm
  Lettering area height: 9 mm
  WH = white
  Type of packaging: sheet

Notes:

Matching magazines to accommodate the label sheets, see page 58.



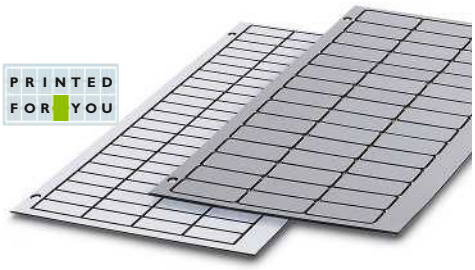
Can be marked using:



Engraving



Plotter



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		P1 ENGRAVING UNIT • ENGRAVING UNIT • CMS-P1-PLOTTER • PLOTMARK
Material		TRANSPLY-ABS
Temperature range	[°C]	-20 ... 85
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plastic label sheet, self-adhesive double-layer plastic labels, material thickness: 0.8 mm, square corners				
1 sheet = 120 labels	white	**GPE 13X 9 WH**	0806932	10
1 sheet = 75 labels	white	**GPE 17,5X12 WH**	0806916	10
1 sheet = 100 labels	white	**GPE 20X 7 WH**	0806990	10
1 sheet = 88 labels	white	**GPE 20X 8 WH**	0806945	10
1 sheet = 60 labels	white	**GPE 22X12 WH**	0806929	10
1 sheet = 9 labels	white	**GPE 52X26 WH**	0806958	10
1 sheet = 9 labels	white	**GPE 60X30 WH**	0806961	10
1 sheet = 21 labels	red/white	**GPE 60X12 RD-WH**	0824202	10
1 sheet = 5 labels	yellow	**GPE 70X32 YE**	0824215	10
1 sheet = 30 labels	silver	**GPE 28X17,5 SR**	0807889	10
Plastic label sheet, self-adhesive double-layer plastic labels, material thickness: 0.8 mm, with rounded corners, radius: 2 mm				
1 sheet = 66 labels	white	**GPE 27X 8 WH/R**	0815198	10
1 sheet = 30 labels	white	**GPE 27X18 WH/R**	0815208	10
1 sheet = 26 labels	white	**GPE 45X14 WH/R**	0815282	10
1 sheet = 21 labels	white	**GPE 60X12 WH/R**	0807630	10
1 sheet = 9 labels	white	**GPE 60X30 WH/R**	0815292	10
1 sheet = 32 labels	silver	**GPE 22X22 SR/R**	0806628	10
1 sheet = 66 labels	silver	**GPE 27X 8 SR/R**	0806877	10
1 sheet = 42 labels	silver	**GPE 27X12,5 SR/R**	0806880	10
1 sheet = 30 labels	silver	**GPE 27X18 SR/R**	0806893	10
1 sheet = 18 labels	silver	**GPE 27X27 SR/R**	0806903	10
1 sheet = 26 labels	silver	**GPE 45X14 SR/R**	0807009	10
1 sheet = 21 labels	silver	**GPE 60X12 SR/R**	0806631	10

Accessories

Engraving unit, for the PLOTMARK, incl. operating instructions (English/German), data CD and engraving chisel		
P1 ENGRAVING UNIT	5145546	1
Marking plotter, incl. power supply unit, connecting cable (Centronics and USB), CMS-PEN 0,25 pen, user manual, CLIP PROJECT planning and marking software		
CMS-P1-PLOTTER	5144615	1
Magazine for CMS-P1-PLOTTER and the PLOTMARK, for accommodating EMLP ... and GPE... materials for engraving		
- 1 GPE label sheet		
CMS-P1-M/GPE ENGRAVING	5145711	1

Stick-on equipment marking, can be engraved or marked with writing



- High level of resistance to chemical and mechanical effects
- High-quality visuals
- Can be easily marked using the CMS−P1−PLOTTER
- Can be engraved using the P1 ENGRAVING UNIT
- For marking components, devices, and buttons
- Marking service: Phoenix Contact can custom-mark all EMLP ... markers in accordance with your requirements
- **Designation example: EMLP 24 (30x12)**
  Hole diameter: 24 mm
  Lettering area width: 30 mm
  Lettering area height: 12 mm
  Type of packaging: sheet

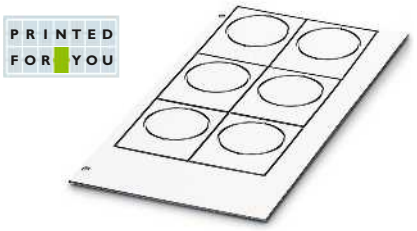
Can be marked using:



Engraving



Plotter



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		P1 ENGRAVING UNIT • ENGRAVING UNIT • CMS-P1-PLOTTER • PLOTMARK
Material		TRANSPLY-ABS
Temperature range	[°C]	-40 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plastic label sheet, with a hole for 24-mm-Ø pushbutton, self-adhesive double-layer plastic labels, material thickness: 0.8 mm				
1 sheet = 6 labels	white	**EMLP 24 (30X12)**	0822301	1
1 sheet = 6 labels	black	**EMLP 24 (30X12) BK**	0822314	1
1 sheet = 6 labels	silver	**EMLP 24 (30X12) SR**	0822330	1
Plastic label sheet, with a hole for 32-mm-Ø pushbutton, self-adhesive double-layer plastic labels, material thickness: 0.8 mm				
1 sheet = 6 labels	white	**EMLP 32 (38X14)**	0822291	1
1 sheet = 6 labels	black	**EMLP 32 (38X14) BK**	0822327	1
1 sheet = 6 labels	silver	**EMLP 32 (38X14) SR**	0822343	1

Accessories

Magazine, to hold 1 GPE label sheet			
	CMS-P1-M/GPE ENGRAVING	5145711	1

Marker carriers





For snap-in labels

- The CARRIER−EMP ... marker carriers are used in conjunction with the UC−EMP ... / US−EMP ... and EMP-AL ... snap-in labels
- They ensure the clear identification of devices and control cabinets
- They can be assembled using screws or rivets

Technical data

General data		
Material		PA
Flammability rating 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 carrier, for UC–EMP ... / US–EMP .../ EMP-AL ... snap-in labels				
Marker size: 17 x 15 mm	black	**CARRIER-EMP (17X15)**	0827450	80
Marker size: 27 x 15 mm	black	**CARRIER-EMP (27X15)**	0827451	80
Marker size: 49 x 15 mm	black	**CARRIER-EMP (49X15)**	0827452	40
Marker size: 60 x 15 mm	black	**CARRIER-EMP (60X15)**	0827453	40
Marker size: 60 x 30 mm	black	**CARRIER-EMP (60X30)**	0827454	30
Marker size: 85 x 54 mm	black	**CARRIER-EMP (85,6X54)**	0829365	10

Marker carriers, can be marked using snap-in markers for control devices





For buttons and switches 22 mm in diameter

- Snap-in UC-/US-EMP ... and EMP-AL ... labels are available for marking CARRIER-EMP 22 ... marker carriers
- Can be used for all buttons and switches with 22 mm diameter

Technical data

General data		
Material		PA
Flammability rating 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 carrier, for UC–EM ... / US–EMP .../ EMP-AL ... snap-in labels				
Marker size: 27 x 8 mm	black	**CARRIER-EMP 22 (27X8)**	0827445	50
Marker size: 27 x 12.5 mm	black	**CARRIER-EMP 22 (27X12,5)**	0827446	50
Marker size: 27 x 15 mm	black	**CARRIER-EMP 22 (27X15)**	0827447	50
Marker size: 27 x 18 mm	black	**CARRIER-EMP 22 (27X18)**	0827448	50
Marker size: 27 x 27 mm	black	**CARRIER-EMP 22 (27X27)**	0827449	50

Marker carriers, can be marked using control device labels



- Can be used for all buttons and switches with 22 mm diameter
- The large marking areas on the CARRIER−EMLP can be individually marked with the EML ... thermo-transfer labels and UC-EMLP ... / US-EMLP ... and EMLP-AL ... labels
- EMLPR ... transparent adhesive protective film can be used for additional protection of the label surfaces



For buttons and switches 22 mm in diameter

Technical data

General data		
Material		PA
Flammability rating 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 a 22 mm diameter, can be marked with EML ..., UC-EMLP ... / US-EMLP ... and EMLP-AL ... 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 marked CARRIER ... to protect the labels
- Extremely thick, yet flexible and transparent shock protection
- High level of mechanical and chemical stability
- Suitable for permanent outdoor use



Shock protection

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shock protection, designed for snapping into CARRIER-EMP ...				
	transparent	**EMPPR (27X15)**	0829535	50
	transparent	**EMPPR (27X18)**	0829536	50
	transparent	**EMPPR (45,8X45,8) PL-100**	0803476	100

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 is marked with marking material for the vertical and horizontal marker grooves found on Phoenix Contact terminal blocks



For self-adhesion

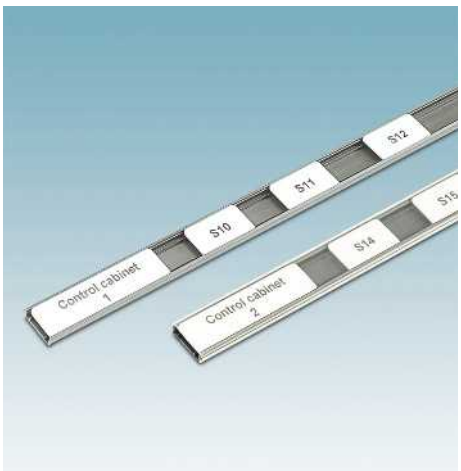
Technical data

General data		
Material		PVC
Flammability rating 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: 1000 mm	gray	**P-SS-ZB 100**	1013737	10
Profile, self-adhesive, designed to accommodate UC−TM ..., UCT−TM ..., ZB ..., length: 1 m	gray	**P-ZB METER**	1051854	1

Marking profiles



- The CARRIER−EMP ... marker carriers can be individually equipped with UC−EMP ... / US−EMP ... / EMT ... and EMP-AL ... device markers
- For marking devices
- For marking assemblies
- For marking control and switchgear



Designed to be stuck on or for screwing/riveting

Technical data

General data		
Material		PVC
Flammability rating according to UL 94		V0
Temperature range	[°C]	-40 ... 60
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Profile, for screwing or riveting, 1000 mm long, for accommodating UCT-... / UC-... / US-... / EMT ... and EMP-AL material with 15 mm height	gray	**CARRIER-EMP (1000X15) GY**	0829366	25
	transparent	**CARRIER-EMP (1000X15) TR**	0829530	25
Profile, self-adhesive, 1000 mm long, for accommodating UCT-... / UC-... / US-... / EMT ... and EMP-AL ... material with 15 mm height	gray	**CARRIER/L-EMP (1000X15) GY**	0829559	25
	transparent	**CARRIER/L-EMP (1000X15) TR**	0829560	25
CARRIER cover, 1000 mm long	transparent	**CARRIER-EMP (1000X15) COVER**	0829520	25

Marker carriers



- 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

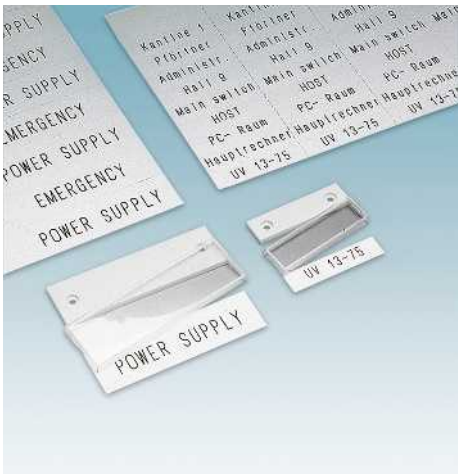
Technical data

General data	
Material	PVC
Flammability rating 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 marked with UC-WMT ..., US-WMT ..., EMT ..., and UCT-WMT Lettering field size: 15 x 4 mm	transparent	**PAB-SK 15**	1013287	500
Component marking label, self-adhesive, can be marked with UC-WMT ..., US-WMT ..., EMT ..., and UCT-WMT Lettering field size: 30 x 4 mm	transparent	**PAB-SK 30**	1013290	200

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 marked, the insert label is inserted in the cap and this is then snapped onto the base carrier
- The marking is protected against external influences
- The ES−SSMK ... insert strips can be marked using the CMS−P1−PLOTTER and the CMS−P1−PAD magazine

Can be marked using:



Plotter



For screw or rivet fixing

Technical data

General data		
Can be marked using		CMS-P1-PLOTTER
Material		PC
Flammability rating 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 marked with plotter, DIN A4, perforated, material: cardboard				
1 sheet = 75 strips, marking field: 56 x 14 mm	transparent/ white	**ES-SSMK-GB 60X18**	5032468	10
1 sheet = 22 strips, marking field: 92 x 26 mm	transparent/ white	**ES-SSMK-GB 96X30**	5032455	10



Transparent stick-on cover





Thermal transfer for rolls



Shock protection

- Extremely thick, but flexible and transparent label made from halogen-free PU
- Stuck over labels or markers that have been marked to protect them
- High level of mechanical and chemical stability
- Suitable for permanent outdoor use

Technical data

General data		
Material		PUR
Temperature range	[°C]	-40 ... 90
Components		Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shock protection foil, designed for sticking into CARRIER-EMLP ...				
51 labels per sheet	transparent	**EMLPR (26,5X14,5)**	0800546	10
42 labels per sheet	transparent	**EMLPR (26,5X17,5)**	0800360	10
30 labels per sheet	transparent	**EMLPR (26,5X26,5)**	0800361	10
14 labels per sheet	transparent	**EMLPR (30X40)**	0800359	10
6 labels per sheet	transparent	**EMLPR (80X42)**	0800357	10
4 labels per sheet	transparent	**EMLPR (80X60)**	0800358	10
9 labels per sheet	transparent	**EMLPR (100X30)**	0800362	10
Touch proofness, size according to customer specifications				
W x H: max. 100 mm x max. 500 mm	transparent	**EMLPR (...X...)R**	0803094	1


PROPANE
12LAC03CT002
Temp 2 FWPmp 3
OXYGEN
COOLING WATER
230 V
230 V

Plant marking - MARKING system

Clear and extensive marking of systems not only guarantees safety but is also a legal requirement. Safety and information signs provide important information. They improve operational processes.

Phoenix Contact offers numerous marking labels for plant marking. From warning labels to multicolored symbol signs, the extremely diverse product range covers all applications. We offer a range of printing systems for marking.

To make marking systems even more efficient, RFID labels are also available to you. This portfolio is completed by a flexible mounting concept composed of different marker carriers and mounting options.

Product range overview

Plant marking **358**

PMLP... and PMP... plant marking

Unmarked RFID labels **360**

Unmarked labels, UniCard materials **362**

Marker carriers **364**

Media identification markers and accessories **366**

PML-W... warning labels

Unmarked warning labels, UniSheet material **368**

Unmarked warning labels, supplied in rolls **369**

Preprinted warning labels **370**

PML-P... prohibition signs

Unmarked prohibition signs, UniSheet material **372**

Unmarked prohibition signs, supplied in rolls **373**

PML-M... mandatory signs

Unmarked mandatory signs, UniSheet material **374**

Unmarked mandatory signs, supplied in rolls **375**

US-PML-ESS... emergency stop button marking

Adhesive label for marking EMERGENCY STOP buttons **376**

US-PML-F... fire alarm plant marking

Adhesive label for marking fire alarm systems **377**

PML-T... pipeline signs

Unmarked pipeline signs, supplied in rolls **378**

PML-GHS... hazardous substances labels

Unmarked hazardous substances labels, UniSheet material **384**

Unmarked hazardous substances labels, supplied in rolls **385**

PMM... magnetic labels

Unmarked magnetic labels, supplied in rolls **386**



Unambiguous marking of systems helps to avoid operating errors and is therefore a key component of occupational safety. Information and safety signs also provide important information on site, making it easier to maintain systems.

Phoenix Contact offers a wide range of labels which meet the legal requirements for correct plant marking.

The combination of printing system and marking material ensures high quality with regards to optics, wipe and scratch resistance.

Receive, transmit, and scan data on a contact-free basis and without visual contact thanks to RFID technology. Design your plant marking clearly, efficiently, and conveniently. To this end, various marking labels are available with integrated RFID transponder. A flexible mounting system is created when different marker carriers are combined.

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

– BLUEMARK CLED, high-speed printer with UV-LED technology for marking UniCard formats and the PM(L)P-RFID... marking labels with integrated RFID transponder
– THERMOMARK CARD and THERMOMARK PRIME, thermal transfer card printer for marking UniSheet and UniCard formats
– THERMOMARK ROLL, thermal transfer roll printer for marking rolls and continuous media
– THERMOMARK ROLLMASTER 300 and ROLLMASTER 600, industrial thermal transfer roll printer for large printing volumes of rolls and continuous media
– RFMARK UHF and RFMARK HF describe and read contactless data on marking material with an integrated RFID transponder.

Quickly and conveniently generate unique safety and information signs in the CLIP PROJECT marking software. All approved pictograms are included according to ISO 7010. Simply select the material to be printed, the software does the rest. All pictograms are easily added via Drag-and-Drop.

The optimum dimensions, as prescribed by standards, are automatically scaled to the selected format. Then you only have to send the print job. That's how easy standard-compliant plant marking can be.

Please contact us if you are unable to find a suitable size or color for your application from the options available in our product range. It goes without saying that Phoenix Contact also offers a comprehensive marking service for plant marking applications.



PM(L)P-RFID and UC-PM(L)P

Regardless of whether it's with or without an RFID transponder, pipelines and systems can be easily and flexibly marked with the corresponding marker carriers and assembly materials.



PML-W warning labels

Warning labels are used to identify danger areas in systems and workshops. The unmarked warning labels allow you to create custom warning instructions.



PML-P prohibition signs

Prohibition signs prohibit potentially dangerous activities. They are therefore a key component of occupational health and safety.



PML-M mandatory signs

Mandatory signs prescribe a certain mode of behavior. They are used to prevent accidents in the workplace.



US-PML-ESS emergency stop button marking

According to Machinery Directive 2006/42/EG, EMERGENCY STOP buttons must be specially marked. In an emergency, they must be clearly and immediately recognizable.



US-PML-F fire alarm plant marking

So that the corresponding smoke alarm can be immediately identified in the event of an emergency, smoke alarms must be clearly marked.



PML-T pipeline labels

Pipeline markers are used to indicate fluids or gases. The direction of flow can also be defined by removing the arrowhead that is not required.



PML-GHS hazardous substances labels

Hazardous substance labels are used for the additional marking of the pipeline markers if hazardous substances according to the Ordinance on Hazardous Substances (GefStoffV) are transported through the pipelines.



PMM magnetic labels

Magnetic labels provide a flexible solution if you do not wish to apply permanent marking. They are quickly attached to metallic surfaces and removed just as speedily.

Stick-on plant marking with RFID transponder



Can be marked using:

UV

UV LED technology



Self-adhesive label with integrated RFID transponder

Markers

– The PMLP-RFID ... marking range includes self-adhesive markers for plant marking, pre-mounted in a frame, with good adhesive properties
– The markers are integrated into a uniform matrix. They are quickly and easily printed with the BLUEMARK CLED
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The wide temperature range means that the labels can be used both indoors and outdoors.

Inlays

– The HF transponder inlays comply with ISO 15693 and ISO 18000-3 mode 1
– The UHF transponder inlays comply with EPC Class 1 Gen 2 and ISO 18000-6C

Technical data

General data		
Can be marked using		BLUEMARK CLED
Material		PVC/PC
Flammability rating according to UL 94		V0
Temperature range	[°C]	-25 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Self-adhesive plastic label, in a frame, with integrated HF transponder				
1-section, lettering field size: 90 x 38 mm, reading performance: max. 0.1 m, depending on the environment, frequency: 13.56 MHz, memory capacity: 1 KB	white	**PMLP-RFID/HF (90X38)**	0830956	10
1-section, lettering field size: 110 x 38 mm, reading performance: 0.1 m, depending on the environment, frequency: 13.56 MHz, memory capacity: 1 KB	white	**PMLP-RFID/HF (110X38)**	0831030	10
UniCard, self-adhesive plastic label, with integrated UHF transponder				
1-section, lettering field size: 90 x 38 mm, reading performance: max. 2.0 m, depending on the environment, frequency: 866 - 956 MHz, memory capacity: 496 bit	white	**PMLP-RFID/UHF (90X38)**	0830957	10
1-section, lettering field size: 110 x 38 mm, reading performance: 2.0 m, depending on the environment, frequency: 866 - 956 MHz, memory capacity: 496 bit	white	**PMLP-RFID/UHF (110X38)**	0831031	10



Plant marking for inserting into marker carriers, with RFID transponder



Can be marked using:

UV

UV LED technology



Label with integrated RFID transponder

Markers

– The PMP-RFID ... marking range includes markers for plant marking, pre-mounted in a frame, specially designed to fit into existing CARRIER(/L)-PMP... (110x38) marker carriers
– The markers are integrated into a uniform matrix. They are quickly and easily printed with the BLUEMARK CLED
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The wide temperature range means that the labels can be used both indoors and outdoors.
– The CARRIER(/L)PMP ... marker carriers can be equipped with colored PM(S)T-markers according to DIN 2403

Inlays

– The HF transponder inlays comply with ISO 15693 and ISO 18000-3 mode 1
– The UHF transponder inlays comply with EPC Class 1 Gen 2 and ISO 18000-6C

Technical data

General data		
Can be marked using		BLUEMARK CLED
Material		PVC/PC
Flammability rating according to UL 94		V0
Temperature range	[°C]	-25 ... 80
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plastic label, in a frame, with integrated HF transponder				
1-section, lettering field size: 90 x 38 mm, reading performance: max. 0.1 m, depending on the environment, frequency: 13.56 MHz, memory capacity: 1 KB	white	**PMP-RFID/HF (90X38)**	0830954	10
1-section, lettering field size: 110 x 38 mm, reading performance: 0.1 m, depending on the environment, frequency: 13.56 MHz, memory capacity: 1 KB	white	**PMP-RFID/HF (110X38)**	0831028	10
UniCard, plastic label with integrated UHF transponder				
1-section, lettering field size: 90 x 38 mm, reading performance: max. 2.0 m, depending on the environment, frequency: 866 - 956 MHz, memory capacity: 496 bit	white	**PMP-RFID/UHF (90X38)**	0830955	10
1-section, lettering field size: 90 x 38 mm, reading performance: max. 2.0 m, depending on the environment, frequency: 866 - 956 MHz, memory capacity: 496 bit	orange	**PMP-RFID/UHF (90X38) OG**	0803048	10
1-section, lettering field size: 110 x 38 mm, reading performance: 2.0 m, depending on the environment, frequency: 866 - 956 MHz, memory capacity: 496 bit	white	**PMP-RFID/UHF (110X38)**	0831029	10

Plant marking for sticking on or inserting into marker carriers

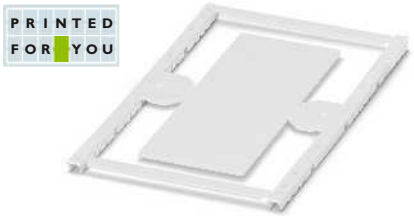


- The UniCard UC-PMLP ... marking range includes self-adhesive markers for plant marking, with good adhesive properties
- The UniCard UC-PMP ... marking range includes markers for plant marking, specially designed to fit into existing CARRIER(/L)-PMP... marker carriers
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The wide temperature range means that the labels can be used both indoors and outdoors.
- Marking service: Phoenix Contact can custom-mark all UniCard markers in accordance with your requirements
- The CARRIER(/L)PMP ... marker carriers can be equipped with colored PM(S)T-markers according to DIN 2403

Can be marked using:



UV LED technology



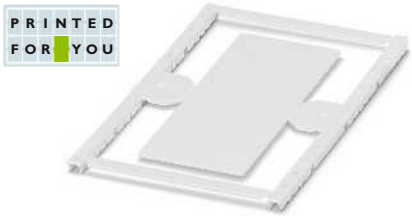
Marked or not according to customer specifications

Technical data

General data		
Can be marked using		BLUEMARK CLED
Material		PA
Flammability rating 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 label, 1-section,				
lettering field size: 90 x 38 mm	white	**UC-PMLP (90X38)**	0831017	10
Lettering field size: 110 x 38 mm	white	**UC-PMLP (110X38)**	0831020	10
UniCard, plastic label, 1-section				
lettering field size: 90 x 38 mm	white			
lettering field size: 90 x 38 mm	yellow			
lettering field size: 90 x 38 mm	violet			
lettering field size: 90 x 38 mm	blue			
lettering field size: 110 x 38 mm	white			



Marked or not according to customer specifications

Technical data

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

Ordering data

Type	Order No.	Pcs./Pkt.
UC-PMP (90X38)	**0831016**	10
UC-PMP (90X38) YE	**0831046**	10
UC-PMP (90X38) VT	**0831047**	10
UC-PMP (90X38) BU	**0831048**	10
UC-PMP (110X38)	**0831019**	10

Marker carrier for UC-PMP... and PMP-RFID... markers





For mounting with screws, screw clamps or cable binders

- The CARRIER-PMP (110x38) is designed for mounting the UC-PMP … and PMP-RFID … labels. The carrier features snap-in pins which prevent the labels and the PM(S)T markers from falling out.
- The self-adhesive CARRIER/L-PMP-ENCLOSED (110x38) consists of a closed housing and has an adhesive strip on the rear side for direct fixing onto smooth and clean surfaces. For difficult surfaces, it is also possible to fix the carrier with two M5 countersunk screws. The carrier is equipped with detents that prevent the labels and the PM(S)T marker from falling out.
- The CARRIER-PMP-ENCLOSED (110 x 38) features a closed housing and is designed for the UC-PMP … and PMP-RFID … labels. Mounting takes place through the screw connection of two M5 countersunk screws. The marker carrier is equipped with detents that prevent the labels and the PM(S)T marker from falling out.

Technical data

General data		
Material		PA
Flammability rating according to UL 94		V0
Temperature range	[°C]	-40 ... 105
Wipe resistance		-
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marker carrier, for UC-PMP… and PMP-RFID labels that can be inserted, carrier size 110 x 38 mm	black	**CARRIER-PMP (110X38)**	0831056	10
Closed, self-adhesive marker carrier, for UC-PMP… and PMP-RFID labels that can be inserted, carrier size 110 x 38 mm	black			
Closed marker carrier, for UC-PMP… and PMP-RFID labels that can be inserted, carrier size 110 x 38 mm	black			



For sticking or screwing on



For mounting with screws

Technical data	
PA	
V0	
-40 ... 105	
-	
free from silicone and halogen	

Ordering data		
Type	**Order No.**	Pcs./Pkt.
CARRIER/L-PMP-ENCLOSED (110X38)	**0831062**	10

Technical data	
PA	
V0	
-40 ... 105	
-	
free from silicone and halogen	

Ordering data		
Type	**Order No.**	Pcs./Pkt.
CARRIER-PMP-ENCLOSED (110X38)	**0831068**	10



– The PMT and PMST (10 x 38) markers for media marking according to DIN 2403 are designed specifically for the CARRIER(/L)-PMP... (110x38). These are inserted quickly and easily into the marker carriers. The PMST (10x38) sign has a hole for additional fixing into the three different marker carriers. The RVT-PA 3,5 BK fixing rivet serves to secure it.

Notes:

[1]) RVT-PA...BK rivet for securing the PMST ... marking labels.



Media markers for inserting into marker carriers

Technical data

General data		
Material		PVC
Flammability rating according to UL 94		-
Temperature range	[°C]	-30 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marking label for conveyed fluids, for equipping CARRIER-PMP (110x38), CARRIER/L-PMP (110x38), and CARRIER-PMP-ENCLOSED (110x38) according to DIN 2403				
	white	**PMT (10X38)**	0831086	100
	yellow	**PMT (10X38) YE**	0831087	100
	orange	**PMT (10X38) OG**	0831088	100
	red	**PMT (10X38) RD**	0831089	100
	violet	**PMT (10X38) VT**	0831090	100
	green	**PMT (10X38) GN**	0831091	100
	gray	**PMT (10X38) GY**	0831092	100
	brown	**PMT (10X38) BN**	0831093	100
	blue	**PMT (10X38) BU**	0831094	100
	black	**PMT (10X38) BK**	0831095	100
Marking label for conveyed fluids, with centered hole, for additional attachment with a plastic body-bound rivet, for equipping CARRIER-PMP (110x38), CARRIER/L-PMP (110x38), and CARRIER-PMP-ENCLOSED (110x38) according to DIN 2403				
	white			
	yellow			
	orange			
	red			
	violet			
	green			
	gray			
	brown			
	blue			
	black			
Plastic body-bound rivet, 3.5 mm diameter[1])				
Mounting strip, can be screwed, for CARRIER-PMP ...				



Media identification markers for additional fixing with rivets



Rivet for attaching the PMST markers



Screw clamp for attachment to pipes

Technical data

PVC
-
-30 ... 80

Ordering data

Type	Order No.	Pcs./Pkt.
PMST (10X38)	0831076	100
PMST (10X38) YE	0831077	100
PMST (10X38) OG	0831078	100
PMST (10X38) RD	0831079	100
PMST (10X38) VT	0831080	100
PMST (10X38) GN	0831081	100
PMST (10X38) GY	0831082	100
PMST (10X38) BN	0831083	100
PMST (10X38) BU	0831084	100
PMST (10X38) BK	0831085	100

Technical data

PVC
V0
-30 ... 80

Ordering data

Type	Order No.	Pcs./Pkt.
RVT-PA 3,5 BK	0830959	100

Technical data

Chromium steel 1.4016
-
-

Ordering data

Type	Order No.	Pcs./Pkt.
SCRT 9X16-27	0830970	50
SCRT 9X25-40	0830971	50
SCRT 9X40-60	0830972	25
SCRT 9X60-80	0830973	25
SCRT 9X80-100	0830974	25
SCRT 9X100-120	0830975	25
SCRT 9X140-160	0830976	25
SCRT 9X160-180	0830977	25
SCRT 9X180-200	0830978	25

UniSheet - stick-on warning labels, unmarked



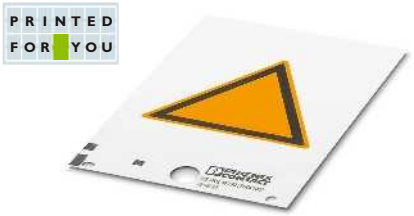
The unmarked US-PML warning labels allow you to create custom warning instructions. A variety of symbols are available in the CLIP PROJECT software. The warning labels offer the following features:

– Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
– Suitable for indoor and outdoor use
– The warning labels conform to the ISO 7010 international standard
– The format automatically ensures printing with a high degree of positioning accuracy
– Marking service: Phoenix Contact can custom-mark all US-PML ... warning labels according to your requirements

Can be marked using:



Thermal transfer



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • 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

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2–TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Ink ribbon for THERMOMARK CARD, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-TC**	0801371	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Ink ribbon cassette for THERMOMARK PRIME, print color: black, length: 70 m, width: 110 mm	**TMP-RIBBON 110 BK 100**	0803374	1

Stick-on warning labels, unmarked



The unmarked PML warning labels allow you to create custom warning instructions. A variety of symbols are available in the CLIP PROJECT software.

– Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
– Suitable for indoor and outdoor use
– The special packaging protects rolls that have already been started from the dirt found in industrial environments
– The warning labels conform to the ISO 7010 international standard
– Marking service: Phoenix Contact can custom-mark all PML ... warning labels according to your requirements

Can be marked using:



Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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, can be marked with thermal transfer printer				
1 roll = 500 labels, side length: 25 mm	yellow	**PML-W100 (25X25)R**	0830429	1
1 roll = 500 labels, side length: 50 mm	yellow	**PML-W100 (50X50)R**	0830430	1
1 roll = 250 labels, side length: 100 mm	yellow	**PML-W100 (100X100)R**	0830431	1
Warning label, triangular, additional rectangular lettering field				
1 roll = 500 labels, side length: 25 mm	yellow	**PML-W200 (25X25)R**	0830451	1
1 roll = 500 labels, side length: 50 mm	yellow	**PML-W200 (50X50)R**	0830452	1
1 roll = 250 labels, side length: 100 mm	yellow	**PML-W200 (100X100)R**	0830453	1
Warning label, rectangular				
1 roll = 500 labels, width: 52 mm, height: 26 mm	yellow	**PML-W300 (52X26)R**	0830458	1
1 roll = 500 labels, width: 74 mm, height: 37 mm	yellow	**PML-W300 (74X37)R**	0830459	1
1 roll = 250 labels, width: 105 mm, height: 52 mm	yellow	**PML-W300 (105X52)R**	0830460	1

Accessories

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

Stick-on warning labels, triangular with lightning flash





Pre-printed 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				
1 sheet = 25 labels, side length: 25 mm	yellow	**PML-W101 (25X25)**	0830433	5
1 sheet = 9 labels, side length: 50 mm	yellow	**PML-W101 (50X50)**	0830434	5
1 sheet = 9 labels, side length: 100 mm	yellow	**PML-W101 (100X100)**	0830435	5
Warning label, triangular, with lightning flash, additional rectangular lettering field, printed text: 230 V				
1 sheet = 16 labels, side length: 25 mm	yellow			
1 sheet = 1 label, side length: 200 mm	yellow			
Warning label, rectangular, with lightning flash, printed text in German/English: "Danger! High voltage when main switch is off"				
1 sheet = 4 labels, W x H: 52 x 26 mm	yellow			
1 sheet = 3 labels, W x H: 74 x 37 mm	yellow			
1 sheet = 4 labels, W x H: 105 x 52 mm	yellow			



Pre-printed with lightning flash and voltage information



Pre-printed with lightning flash and warning notice

Technical data

PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Type	Order No.	Pcs./Pkt.
PML-W202 (25X25)	0830437	5
PML-W205 (200X200)	0830450	5

Technical data

PVC
-40 ... 90
DIN EN 61010-1 (VDE 0411-1)
Silicone-free

Ordering data

Type	Order No.	Pcs./Pkt.
PML-W301 (52X26)	0830461	5
PML-W301 (74X37)	0830462	5
PML-W301 (105X52)	0830463	5

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
- 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 THERMOMARK CARD and THERMOMARK PRIME mark the markers in uniform sheets, easily, quickly, and cost effectively
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The perforated markers are easy to separate
- Marking service: Phoenix Contact can custom-mark all US-PML ... markers according to your requirements

Notes:

For accessories, visit phoenixcontact.net/products

Can be marked using:



Thermal transfer



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Prohibition sign, color preprinted, without symbols				
4-section, diameter: 50 mm	red/white	**US-PML-P100 (D50)**	1014217	10
1-section, diameter: 100 mm	red/white	**US-PML-P100 (D100)**	1014218	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Ink ribbon for THERMOMARK CARD, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-TC**	0801371	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Ink ribbon cassette for THERMOMARK PRIME, print color: black, length: 70 m, width: 110 mm	**TMP-RIBBON 110 BK 100**	0803374	1

Stick-on prohibition signs, color preprinted, without symbols





Thermal transfer for rolls



Marked or not according to customer specifications

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.

- 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 magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- Marking service: Phoenix Contact can custom-mark all PML ... markers according to your requirements

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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 symbol, can be marked with thermal transfer printer				
1 roll = 500 labels, diameter: 50 mm	red/white	**PML-P100 (D50)R**	1014225	1
1 roll = 500 labels, diameter: 100 mm	red/white	**PML-P100 (D100)R**	1014226	1

Accessories

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

UniSheet - stick-on mandatory signs, color preprinted, without symbols



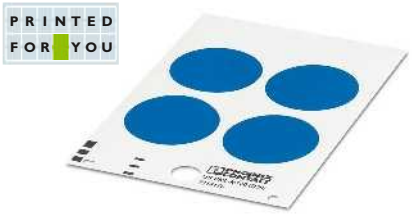
The unmarked US-PML-M mandatory signs on US cards allow you to create custom information signs. A variety of symbols are available in the CLIP PROJECT software.

- Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
- Suitable for indoor and outdoor use
- The mandatory signs conform to the ISO 7010 international standard
- The THERMOMARK CARD and the THERMOMARK PRIME label the markers in uniform sheets, easily, quickly, and cost effectively
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The perforated markers are easy to separate
- Marking service: Phoenix Contact can custom-mark all US-PML ... markers according to your requirements

Can be marked using:



Thermal transfer



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK PRIME • 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

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm, white	**TM-RIBBON 110-TC/TR WH**	1014402	1

Stick-on mandatory signs, color preprinted, without symbols



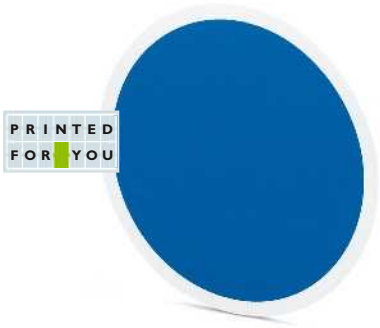
The color preprinted PML-M mandatory signs on a roll allow you to create custom mandatory notices. A variety of symbols are available in the CLIP PROJECT software.

– 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 magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The special packaging protects rolls that have already been started from the dirt found in industrial environments
– Marking service: Phoenix Contact can custom-mark all markers according to your requirements

Can be marked using:



Thermal transfer for rolls



Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • 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 symbol, can be marked with thermal transfer printer				
1 roll = 500 labels, diameter: 50 mm	blue	**PML-M100 (D50)R**	1014180	1
1 roll = 500 labels, diameter: 100 mm	blue	**PML-M100 (D100)R**	1014181	1

Accessories

Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm			
	TM-RIBBON 110-TC/TR WH	1014402	1

Adhesive label for marking EMERGENCY STOP buttons

new



The unmarked US-PML-ESS... allow you to create custom EMERGENCY STOP buttons in different languages.
A variety of different country-specific templates are available in the CLIP PROJECT software.

The marking material offers the following features:

– Highly flexible, plasticized PVC labels which are ideal for uneven surfaces
– Suitable for indoor and outdoor use
– The format automatically ensures printing with a high degree of positioning accuracy

Can be marked using:



Thermal transfer



Unmarked

Technical data

General data		
Can be marked using		THERMOMARK PRIME • THERMOMARK CARD
Material		PVC
Temperature range	[°C]	-40 ... 90
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive EMERGENCY STOP marking:				
1-section, outside diameter: 60 mm, inside diameter: 25 mm	yellow	**US-PML-ESS100 (D60) YE**	0803873	10
1-section, outside diameter: 90 mm, inside diameter: 24 mm	yellow	**US-PML-ESS100 (D90) YE**	0803872	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2–TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Ink ribbon for THERMOMARK CARD, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-TC**	0801371	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Ink ribbon cassette for THERMOMARK PRIME, print color: black, length: 70 m, width: 110 mm	**TMP-RIBBON 110 BK 100**	0803374	1

Adhesive label for marking fire alarm systems

Can be marked using:

new





Thermal transfer



Unmarked

The unmarked US-PML-F... fire alarm signs on US cards enable custom creation of fire protection signs.

Fire protection signs are manufactured according to the DIN 4066 or DIN 4844 standard. The signs can be either round or square shaped, so that you as a company can fulfill legal requirements.

The marking material offers the following features:

– Highly flexible, plasticized PVC labels which are ideal for uneven surfaces

Technical data

General data	
Can be marked using	THERMOMARK PRIME • THERMOMARK CARD
Material	PVC
Temperature range [°C]	-40 ... 90
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive fire alarm labels, color preprinted:				
10-section, lettering field size: 40 x 15 mm	white/red	**US-PML-F100 (50X25)**	0803866	10
4-section, diameter: 50 mm, lettering field size: 40 x 20 mm	white/red	**US-PML-F100 (D50)**	0803869	10
UniSheet, with self-adhesive fire alarm labels, color preprinted:				
Lettering field size :40 x 15 mm	white/blue	**US-PML-F200 (50X25)**	0803868	10
Diameter: 50 mm, lettering field size: 40 x 20 mm	white/blue	**US-PML-F200 (D50)**	0803871	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Ink ribbon for THERMOMARK CARD, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-TC**	0801371	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Ink ribbon cassette for THERMOMARK PRIME, print color: black, length: 70 m, width: 110 mm	**TMP-RIBBON 110 BK 100**	0803374	1

Stick-on pipeline markers, unmarked



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:

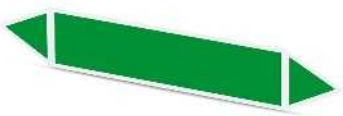
- Finely perforated arrowheads enable the arrowheads which are not required to be easily removed
- High adhesive strength
- High temperature resistance
- Suitable for indoor and outdoor use
- In combination with the PML-GHS hazardous substances labels, marking which conforms to the Ordinance on Hazardous Substances (GefStoffV) can be applied
- The magazine geometry automatically ensures printing with a high degree of positioning accuracy
- The special packaging protects rolls that have already been started from the dirt found in industrial environments
- Marking service: Phoenix Contact can custom-mark all markers according to your requirements

Can be marked using:



Thermal transfer for rolls

PRINTED FOR YOU



Group 1 (water)

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

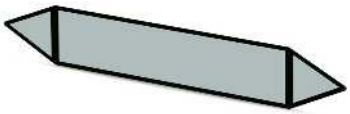
Description	Color	Type	Order No.	Pcs./Pkt.
Pipeline markers, green, group 1 (water), unprinted, can be marked with the thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	green	**PML-T101 (26X280)R**	1014229	1
1 roll = 250 labels, marker size: 52 x 560 mm	green	**PML-T101 (52X560)R**	1014230	1
Pipeline markers, red, group 2 (steam), unprinted, can be marked with the thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	red			
1 roll = 250 labels, marker size: 52 x 560 mm	red			
Pipeline markers, gray, group 3 (air), unprinted, can be marked with the thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	gray			
1 roll = 250 labels, marker size: 52 x 560 mm	gray			
Pipeline markers, yellow/red, group 4 (combustible gases), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	yellow/red			
1 roll = 250 labels, marker size: 52 x 560 mm	yellow/red			

Accessories

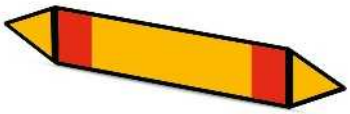
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm	**TM-RIBBON 110-TC/TR WH**	1014402	1
Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm			
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm			
Hazardous substance label, roll, red/white, preprinted, can be marked with roll printers			
1 roll = 500 labels, marker size: 13 x 13 mm	**PML-GHS100 (13X13)R**	1014289	1
1 roll = 500 labels, marker size: 25 x 25 mm	**PML-GHS100 (25X25)R**	1014290	1
UniSheet, with self-adhesive hazardous substance labels:			
50-section, marker size: 13 x 13 mm	**US-PML-GHS100 (13X13)**	1014287	10
9-section, marker size: 25 x 25 mm	**US-PML-GHS100 (25X25)**	1014288	10



Group 2 (steam)



Group 3 (air)



Group 4 (combustible gases)

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T102 (26X280)R	1014231	1
PML-T102 (52X560)R	1014232	1

Accessories

TM-RIBBON 110-TC/TR WH	1014402	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T103 (26X280)R	1014233	1
PML-T103 (52X560)R	1014234	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T104 (26X280)R	1014235	1
PML-T104 (52X560)R	1014236	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

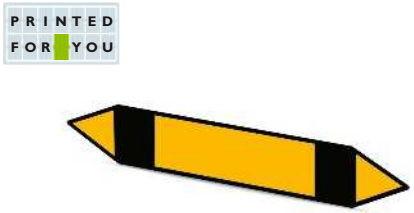
Stick-on pipeline markers, unmarked

- 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 marked using:



Thermal transfer for rolls



Group 5 (non-combustible gases)

Technical data

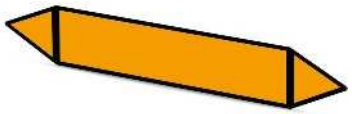
General data	
Can be marked using	THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material	Polyester
Temperature range [°C]	-40 ... 150
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Ordering data

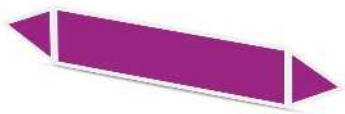
Description	Color	Type	Order No.	Pcs./Pkt.
Pipeline markers, yellow/black, group 5 (non-combustible gases), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	yellow/black	**PML-T105 (26X280)R**	1014237	1
1 roll = 250 labels, marker size: 52 x 560 mm	yellow/black	**PML-T105 (52X560)R**	1014238	1
Pipeline markers, orange, group 6 (acids), unprinted, can be marked with the thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	orange			
1 roll = 250 labels, marker size: 52 x 560 mm	orange			
Pipeline markers, violet, group 7 (alkalis), unprinted, can be marked with the thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	violet			
1 roll = 250 labels, marker size: 52 x 560 mm	violet			
Pipeline markers, brown/red, group 8 (combustible liquids), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	brown/red			
1 roll = 250 labels, marker size: 52 x 560 mm	brown/red			

Accessories

Ink ribbon for roll printer, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110**	5145384	1
Ink ribbon for roll printer, ink color: black, length: 50 m, width: 110 mm	**THERMOMARK-RIBBON 110/50**	0800687	1
Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm			
Hazardous substance label, roll, red/white, preprinted, can be marked with roll printers			
1 roll = 500 labels, marker size: 13 x 13 mm	**PML-GHS100 (13X13)R**	1014289	1
1 roll = 500 labels, marker size: 25 x 25 mm	**PML-GHS100 (25X25)R**	1014290	1
UniSheet, with self-adhesive hazardous substance labels:			
50-section, marker size: 13 x 13 mm	**US-PML-GHS100 (13X13)**	1014287	10
9-section, marker size: 25 x 25 mm	**US-PML-GHS100 (25X25)**	1014288	10



Group 6 (acids)



Group 7 (alkalis)



Group 8 (combustible liquids)

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T106 (26X280)R	1014239	1
PML-T106 (52X560)R	1014240	1

Accessories

THERMOMARK-RIBBON 110	5145384	1
THERMOMARK-RIBBON 110/50	0800687	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T107 (26X280)R	1014241	1
PML-T107 (52X560)R	1014242	1

Accessories

TM-RIBBON 110-TC/TR WH	1014402	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T108 (26X280)R	1014243	1
PML-T108 (52X560)R	1014244	1

Accessories

TM-RIBBON 110-TC/TR WH	1014402	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

Stick-on pipeline markers, unmarked

- 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 marked using:



Thermal transfer for rolls





Group 9 (non-combustible liquids)

Technical data

General data	
Can be marked using	THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material	Polyester
Temperature range [°C]	-40 ... 150
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

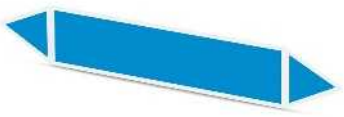
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Pipeline markers, brown/black, group 9 (non-combustible liquids), unprinted, can be marked with thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	brown/black	**PML-T109 (26X280)R**	1014245	1
1 roll = 250 labels, marker size: 52 x 560 mm	brown/black	**PML-T109 (52X560)R**	1014246	1
Pipeline markers, blue, group 0 (oxygen), unprinted, can be marked with the thermal transfer printer				
1 roll = 250 labels, marker size: 26 x 280 mm	blue			
1 roll = 250 labels, marker size: 52 x 560 mm	blue			

Accessories

Ink ribbon for roll printer and THERMOMARK CARD, ink color: white, length: 240 m, width: 110 mm	**TM-RIBBON 110-TC/TR WH**	1014402	1
Hazardous substance label, roll, red/white, preprinted, can be marked with roll printers			
1 roll = 500 labels, marker size: 13 x 13 mm	**PML-GHS100 (13X13)R**	1014289	1
1 roll = 500 labels, marker size: 25 x 25 mm	**PML-GHS100 (25X25)R**	1014290	1
UniSheet, with self-adhesive hazardous substance labels:			
50-section, marker size: 13 x 13 mm	**US-PML-GHS100 (13X13)**	1014287	10
9-section, marker size: 25 x 25 mm	**US-PML-GHS100 (25X25)**	1014288	10

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Group 0 (oxygen)

Technical data

THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Polyester
-40 ... 150
DIN EN 61010-1 (VDE 0411-1)

Ordering data

Type	Order No.	Pcs./Pkt.
PML-T110 (26X280)R	1014247	1
PML-T110 (52X560)R	1014248	1

Accessories

TM-RIBBON 110-TC/TR WH	1014402	1
PML-GHS100 (13X13)R	1014289	1
PML-GHS100 (25X25)R	1014290	1
US-PML-GHS100 (13X13)	1014287	10
US-PML-GHS100 (25X25)	1014288	10

UniSheet - stick-on hazardous substances labels, color preprinted, without symbols



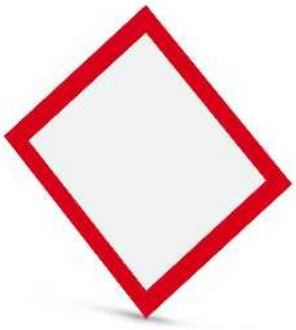
The unmarked US-PML-GHS hazardous substance labels on US cards allow you to create custom information signs. A variety of symbols are available in the CLIP PROJECT software.

– High adhesive strength
– High temperature resistance
– Suitable for indoor and outdoor use
– The markers conform to the GHS international standard
– The THERMOMARK CARD and the THERMOMARK PRIME label the markers in uniform sheets, easily, quickly, and cost effectively
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The perforated markers are easy to separate

Can be marked using:



Thermal transfer



Unmarked

Technical data

General data	
Can be marked using	THERMOMARK PRIME • THERMOMARK CARD
Material	Polyester
Temperature range [°C]	-40 ... 150
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
UniSheet, with self-adhesive hazardous substance labels:				
50-section, marker size: 13 x 13 mm	red/white	**US-PML-GHS100 (13X13)**	1014287	10
9-section, marker size: 25 x 25 mm	red/white	**US-PML-GHS100 (25X25)**	1014288	10

Accessories

Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Ink ribbon for THERMOMARK CARD, ink color: black, length: 300 m, width: 110 mm	**THERMOMARK-RIBBON 110-TC**	0801371	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1
Ink ribbon cassette for THERMOMARK PRIME, print color: black, length: 70 m, width: 110 mm	**TMP-RIBBON 110 BK 100**	0803374	1

Stick-on hazardous substances labels, color preprinted, without symbols



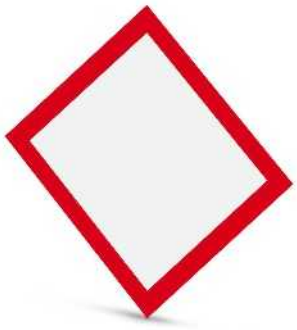
The color preprinted PML-GHS...R hazardous substances labels on a roll allow you to create custom information signs. A variety of symbols are available in the CLIP PROJECT software.

– High adhesive strength
– High temperature resistance
– Suitable for indoor and outdoor use
– The markers conform to the GHS international standard
– The magazine geometry automatically ensures printing with a high degree of positioning accuracy
– The special packaging protects rolls that have already been started from the dirt found in industrial environments

Can be marked using:



Thermal transfer for rolls



Unmarked

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		Polyester
Temperature range	[°C]	-40 ... 150
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Hazardous substance label, roll, red/white, preprinted, can be marked with roll printers				
1 roll = 500 labels, marker size: 13 x 13 mm	red/white	**PML-GHS100 (13X13)R**	1014289	1
1 roll = 500 labels, marker size: 25 x 25 mm	red/white	**PML-GHS100 (25X25)R**	1014290	1

Accessories

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

Magnetic labels, unprinted



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 magazine geometry automatically ensures printing with a high degree of positioning 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
– Assemble your labels with the right cutter for your roll printer

Can be marked using:



Thermal transfer for rolls

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Marked or not according to customer specifications

Technical data

General data		
Can be marked using		THERMOMARK ROLL • THERMOMARK ROLL X1 • THERMOMARK ROLLMASTER 300 • THERMOMARK ROLLMASTER 600 • THERMOMARK X1.2
Material		Magnetic tape
Temperature range	[°C]	-30 ... 55
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Magnetic tape as continuous material, anisotropic, can be marked with thermal transfer printer, strip length Up to 1000 mm, 1 roll = 15 m continuous, height: 20 mm	white	**PMM (EX20)R**	1014303	1
	silver	**PMM (EX20)R SR**	1014304	1
	yellow	**PMM (EX20)R YE**	1014305	1
Magnetic tape as continuous material, anisotropic, can be marked with thermal transfer printer, strip length Up to 1000 mm, 1 roll = 15 m continuous, height: 25 mm	white	**PMM (EX25)R**	1014306	1
	silver	**PMM (EX25)R SR**	1014307	1
	yellow	**PMM (EX25)R YE**	1014308	1
Magnetic tape as continuous material, anisotropic, can be marked with thermal transfer printer, strip length Up to 1000 mm, 1 roll = 15 m continuous, height: 30 mm	white	**PMM (EX30)R**	1014309	1
	silver	**PMM (EX30)R SR**	1014310	1
	yellow	**PMM (EX30)R YE**	1014311	1
Magnetic tape as continuous material, anisotropic, can be marked with thermal transfer printer, strip length Up to 1000 mm, 1 roll = 15 m continuous, height: 40 mm	white	**PMM (EX40)R**	1014312	1
	silver	**PMM (EX40)R SR**	1014313	1
	yellow	**PMM (EX40)R YE**	1014314	1
Magnetic tape as continuous material, anisotropic, can be marked with thermal transfer printer, strip length Up to 1000 mm, 1 roll = 15 m continuous, height: 50 mm	white	**PMM (EX50)R**	1014315	1
	silver	**PMM (EX50)R SR**	1014316	1
	yellow	**PMM (EX50)R YE**	1014317	1

Accessories

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


YOUR NAME
HERE

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 390

CUTFOX ... cutting tools and UNIFOX ... universal tools

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Cutting tools for special applications 394
Universal tools 397
Cable duct, profile, and DIN-rail cutters 401

MICROFOX electronic pliers 404

WIREFOX stripping tools

Stripping tools 406
Stripping tools 412

CRIMPFOX pressing and crimping tools

CRIMPHANDY portable hand-held machine 416
Multifunctional CRIMPFOX 4 IN 1 crimping pliers 421
Crimp pliers for ferrules 422
Crimping pliers for ring cable and tubular cable lugs 428
Universal basic pliers for connectors up to 120 mm² 433
Crimping pliers for slip-on sleeves 434
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Professional cutting



Professional stripping



Professional crimping



There is an optimum cable cutter available for every application. The various versions enable professional processing of conductors and cables with a diameter of up to 100 mm. All parts of the cable cutters that are subject to particular strain are tempered and specially hardened.



Profile cutters are available for rapid processing of DIN rails and cable ducts without chips or burrs. An optional hydraulic unit can be attached to convert manual DIN-rail cutters into automatic ones.



The stripping tools can strip all types of conductors and cables quickly, precisely, and reliably. They adapt automatically to the conductor cross section concerned.



The CRIMPFOX 4 IN 1 are multifunctional crimping pliers for processing conductors and ferrules. A variety of work steps can be performed with just a single tool: cutting, stripping, twisting, and crimping.



The product innovation for switchgear manufacturing – the CRIMPHANDY, a battery-powered, portable hand-held device. The CRIMPHANDY strips and crimps the conductor in under two seconds. This results in time savings of 75%.



The extensive range of professional crimping pliers can be used to process a variety of contact types with a cross section of up to 120 mm². The innovative design and ergonomically shaped handles reduce the forces required by up to 30 percent.



With their interchangeable dies, the CRIMPFOX–M universal crimping pliers can be used to process all kinds of contacts. The dies can be changed quickly and easily without the need for additional tools.



With their precise torque-setting, the torque and cordless screwdrivers are the perfect complement to the Phoenix Contact range of screw terminal blocks. The wide range of hardened BIT screwdriver inserts makes the products suitable for universal use.



Our multimeters, current pliers, and voltage testers are high-quality measuring tools, which have been tested and approved in accordance with national and international standards.

CUTFOX cable cutters

- CUTFOX ... cable cutters for professional cutting results
- Ideal cutting geometries enable the lowest actuation forces
- Ergonomic grip design to eliminate fatigue when working
- All parts of the cable cutters that are subject to particular strain are tempered or specially hardened



Up to a maximum conductor diameter of 12 mm



Up to a maximum conductor diameter of 18 mm

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cable cutter, for copper and aluminum (stranded) up to 12 mm diameter (up to 35 mm²), size: 165 mm	CUTFOX 12	1212128	1			
Cable cutter, angled, with adjustable screw joint, for copper and aluminum (stranded) up to 18 mm diameter (up to 50 mm²), size: 180 mm				CUTFOX 18	1212129	1
Electrician's scissors, high cutting performance, thanks to micro-serrated cutting area, suitable for copper, aluminum (stranded), Kevlar® fibers, and plastic, two-component non-slip soft-grip handles, ergonomic design, adjustable screw joint	CUTFOX-ES	1212621	1			

CUTFOX one-handed ring cable cutters

- CUTFOX ... one-handed ring cable cutters for professional cutting results
- Extremely robust design
- Minimum deformation of the conductors and cables
- Can be released in all positions
- Superb cutting quality
- Little force needed due to ratchet function



Up to a max. conductor diameter of 50 mm, steel-armored



Up to a maximum conductor diameter of 45 mm

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Ring cable cutter, with ratchet function, for copper and aluminum (stranded) up to a diameter of 50 mm, for steel-armored CU/AL cables, for stranded steel cables up to a diameter of 12 mm, equipped with needle bearings, size: 260 mm	CUTFOX 50 STEEL	1212526	1			
Ring cable cutter, with ratchet function, for copper and aluminum (stranded) up to 45 mm diameter (up to 300 mm²), size: 260 mm				CUTFOX 45	1212132	1
Ring cable cutter, with ratchet function, for copper and aluminum (stranded) up to 52 mm diameter (up to 300 mm²), size: 325 mm				CUTFOX 52	1212133	1

CUTFOX single-handed front cable cutter

- CUTFOX ... cable cutters for professional cutting results
- With ratchet function for minimum effort
- All parts of the cable cutters that are subject to particular strain are tempered or specially hardened
- Ideal in tight workspaces
- Adjustable screw joint
- Can be released in all positions
- Particularly robust



Up to a max. conductor diameter of 25 mm



Up to a max. conductor diameter of 35 mm

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cable cutter, with ratchet function, for copper and aluminum (flexible) up to 25 mm diameter (up to 185 mm²), size: 245 mm	CUTFOX 25	1212130	1			
Cable cutter, with ratchet function, for copper and aluminum (flexible) up to 35 mm diameter (up to 240 mm²), size: 245 mm				CUTFOX 35	1212131	1

CUTFOX two-handed ring cable cutters

- CUTFOX ... two-handed ring cable cutters for professional cutting results
- Suitable for conductors with a diameter of up to 100 mm
- With ratchet function for minimum effort
- Can be released in all positions
- Superb cutting quality
- Extremely robust design
- Lowest possible deformation of conductors and cables



Up to a max. conductor diameter of 62 mm



Up to a max. conductor diameter of 100 mm

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Two-hand ring cable cutter, with ratchet function, for copper and aluminum (stranded) up to 62 mm diameter (up to 750 mm²), size: 410 mm	CUTFOX 62	1212134	1			
Two-hand ring cable cutter, with ratchet function, for copper and aluminum (stranded) up to 100 mm diameter (up to 1400 mm²), size: 610 mm				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 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 bridges

EAC

EAC

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cutting tool, for separating individual bridge bars from FBS ... jumpers and EB ... insertion bridges, size: 260 mm	CUTFOX-FBS	1212124	1			
Bridge cutting tool, for cutting FBI ... fixed bridges to length, size: 165 mm				CUTFOX FB	1205985	1
Cable cutter, precision blade with macro-notching, for copper and aluminum (stranded) up to 50 mm², VDE 1000 V AC/1500 V DC tested, size: 160 mm						
Cable cutter, precision blade with macro-notching, for copper and aluminum (stranded) up to 70 mm², VDE 1000 V AC/1500 V DC tested, size: 210 mm						
Cable cutter, for laminated busbars/ribbed tape measuring up to 6 x 16 x 0.8 mm, copper and aluminum cables (stranded) with a diameter of up to 25 mm, VDE 1000 V AC, 1500 V DC, size: 210 mm						
Diagonal cutter, with optimized leverage, VDE 1000 V AC/1500 V DC tested, size: 160 mm						
Diagonal cutter, with optimized leverage, VDE 1000 V AC/1500 V DC tested, size: 130 mm						



Cable cutter for conductors with a diameter of up to 16 mm, (VDE)



Cable cutter for conductors and ribbed tape with a diameter of up to 25 mm (VDE)



Diagonal cutter, (VDE)

EAC

Ordering data		
Type	Order No.	Pcs./Pkt.
CUTFOX 16 VDE	1212126	1

EAC

Ordering data		
Type	Order No.	Pcs./Pkt.
CUTFOX 25 VDE	1212127	1
CUTFOX-LB VDE	1212527	1

EAC

Ordering data		
Type	Order No.	Pcs./Pkt.
CUTFOX-S VDE	1212207	1
CUTFOX-S VDE M	1212830	1

CUTFOX bolt cutter

- CUTFOX-SP ... VDE cutting tools are ideal for precise and effortless cutting of bolts, nails, rivets, steel wire, and other similar hard materials
- VDE-tested cutting tools made from special high-grade tool steel
- Inductively hardened blades for permanently stable cutting performance



Diagonal cutters



Diagonal cutters with lever (VDE)

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Power diagonal cutter, with optimized leverage, also suitable for piano wire, VDE 1000 V AC/1500 V DC tested, size: 200 mm	CUTFOX-SP VDE	1212206	1			
Power diagonal cutter, with optimized leverage, also suitable for bolts and piano wire, VDE 1000 V AC/ 1500 V DC tested, size: 200 mm				CUTFOX-SP BOLT VDE	1212831	1

CUTFOX cutting tools, angled design

- CUTFOX-SE LM electrical diagonal cutter with stripping and cutting range
- Ergonomic grip design to eliminate fatigue when working
- All parts of the diagonal cutters that are subject to particular strain are tempered or specially hardened



Diagonal cutter, angled



Electrical diagonal cutter, angled

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Diagonal cutter, angled design, size:180 mm	CUTFOX-SE	1212832	1			
Electrical diagonal cutter, angled design, with stripping, crimp, and bending function. Screw pincers up to M3.5/M4, size: 180 mm				CUTFOX-SE LM	1212833	1

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)



Combination pliers (VDE), angled

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Combination pliers, cross-notched gripping surface, integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested, size: 180 mm	UNIFOX-C VDE	1212202	1			
Combination pliers, cross-notched gripping surface, integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested, size: 165 mm	UNIFOX-C VDE M	1212834	1			
Combination pliers, angled design, with opening spring and locking device, cross-notched gripping surface, integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested, size: 200 mm				UNIFOX-CE VDE	1212203	1

UNIFOX universal tools

- Individually tested safety tools 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)



Needle-nose pliers (VDE), curved and angled

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Needle-nose pliers with cutter, notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 170 mm	UNIFOX-P VDE	1212204	1			
Needle-nose pliers with cutter, angled 45°, notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 170 mm	UNIFOX-PC VDE	1212205	1			
Needle-nose pliers, angled design, with opening spring and locking device, finely notched gripping surface, stripping possible for 1.5 mm² and 2.5 mm², integrated M8 - M10 ring wrench, VDE 1000 V AC/1500 V DC tested, size: 200 mm				UNIFOX-PE VDE	1212529	1

UNIFOX universal tools

new

- VDE-protective insulated UNIFOX ... flat and round-nose pliers
- Finely toothed gripping surfaces
- Ergonomic grip design to eliminate fatigue when working



Flat-nose pliers (VDE)



SUNCLIX mounting pliers

Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.	Ordering data: Type	Order No.	Pcs./Pkt.
Flat-nose pliers, finely notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 160 mm	black	**UNIFOX-F VDE**	1212363	1			
Round-nose pliers, finely notched gripping surface, VDE 1000 V AC/1500 V DC tested, size: 160 mm	black	**UNIFOX-R VDE**	1212364	1			
Mounting pliers, for snapping the SUNCLIX crimp contacts into the plastic housing, curved 35°, suitable for a conductor diameter of 4.2 mm ... 6.0 mm.	black				**UNIFOX SR 6**	1200137	1

UNIFOX cable binder pliers for plastic and high-grade steel cable binders

- Ergonomic tool for attaching and detaching cable binders in a single operation
- The infinitely adjustable tension force is indicated by a scale in the handle area
- If the tension force is reached, the remainder is automatically severed for a flush finish



Cable binder pliers for plastic cable binder



Cable binder pliers for stainless steel cable binder

Description	Ordering data: Type	Order No.	Pcs./Pkt.	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, material thickness of up to 0.3 mm				**UNIFOX-CT M 7,9**	1212610	1

UNIFOX screw pliers and water pump pliers

– Screw wrench and pliers in one: zero-play grip and secure screwing of screws and nut areas
– Smooth jaws prevent the usual damage to screws and nuts from wrenches and pipe wrenches
– With automatic fast adjustment without unlock button



Screw pliers



Water pump pliers

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Screw pliers, with fast adjustment, smooth gripping surfaces, for wrench size 10 - 36 mm, 260 mm	UNIFOX-WRENCH	1212835	1			
Water pump pliers, with groove joint, gripping surfaces with dual notching, acc. to VDE ISO 8976, size: 240 mm				UNIFOX-WP	1212365	1

UNIFOX punch pliers

– The nickel-plated punch pliers with round mandrel punch holes with a 2 mm diameter.
– With opening springs, for comfortable and low-fatigue application
– The jaw depth is 30 mm



Punch pliers

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Punch pliers, with 2 mm round mandrel, nickel-plated, mouth depth 30 mm, total length 120 mm	UNIFOX-HP	1212625	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



Blind rivet pliers

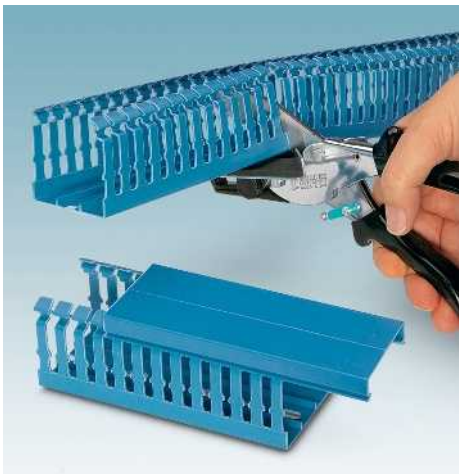


Blind riveting with diameters of 2.4 to 5 mm

EAC

Description	Color	Ordering data: Type	Ordering data: Order No.	Ordering data: Pcs./Pkt.	Ordering data: Type	Ordering data: Order No.	Ordering data: 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





Cable duct cutter

- Easy, burr-free cutting with minimum effort thanks to the special cutting geometry and optimum leverage
- Non-slip ergonomic grip
- With opening spring and locking mechanism
- Limit stop for 45° and 90° sections
- 75 mm cutting width

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

Accessories

Limit stop, 90°	CUTFOX-CD/ES 90	1200289	1

Cable duct cutters





Cable duct cutter

- Leverage and special cutting geometry enables easy, burr-free cutting with minimum effort
- Grip protection for safety
- Metric measuring rail with adjustable limit stop
- 125 mm cutting width
- Material thickness of up to 2.5 mm

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 process the common EN DIN rails NS 35/15, NS 35/7,5 and NS 15, and the NLS-CU 3/10 neutral busbar
- The PPS STANDARD ... and PPS CLASSIC ... are equipped with two stamping bits for round holes or elongated holes
- The PPS CLASSIC ... is the best choice if hole formats are changed. By simply folding open the upper part of the PPS... , the stamping bits are changed in no time at all



DIN rail cutter

Technical data

Dimensions		Width	Length	Height
	[mm]	**150**	**60**	**180**
General data				
Weight	[kg]	8.3		
Length of the measuring bar	[mm]	1000		
Length of the hand lever	[mm]	590		

Ordering data

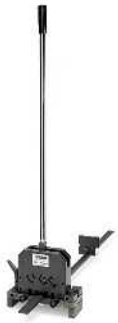
Description	Color	Type	Order No.	Pcs./Pkt.
DIN rail cutter, for cutting standard DIN rails to length, NS 15 / NS 35/7,5/NS 35/15 and for cutting the NLS–CU 3/10 neutral busbar to length, with inch/metric measuring rail	black	**PPS BASIC I/M**	1207585	1
DIN rail cutter, for cutting and punching standard DIN rails to length, NS 32 / NS 35/7,5 / NS 35/15 and for cutting the NS 15 and NLS-CU 3/10 neutral busbar to length, to accommodate 2 stamping bits, with metric measuring rail, supplied without stamping bits	black			
Same as before, but with inch/metric measuring rail	black			
DIN rail cutter, for cutting and punching standard DIN rails to length, NS 32 / NS 35/7,5 / NS 35/15 and for cutting the NS 15 and NLS-CU 3/10 neutral busbar to length, to accommodate 2 stamping bits, easy exchange of stamping bits, with metric measuring rail, supplied without stamping bits	black			
Same as before, but with inch/metric measuring rail	black			
Hydraulic cylinder, for connection to an existing hydraulic system, operating pressure of 160 – 220 bar, G 1/4" connection thread, with spring reset, only suitable for PPS STANDARD ...				

Accessories

Stamping bit, for elongated holes, lengthways				
3.5 x 12 mm				
4.5 x 12 mm				
5.5 x 12 mm				
6.5 x 15 mm				
Stamping bit, for elongated holes, vertical				
3.5 x 12 mm				
4.5 x 12 mm				
5.5 x 12 mm				
6.5 x 15 mm				
Stamping bit, for round holes				
3.8 mm Ø				
4.3 mm Ø				
5.3 mm Ø				
6.4 mm Ø				
7.0 mm Ø				
8.4 mm Ø				
Hydraulic cylinder, for connection to an existing hydraulic system, operating pressure of 160 – 220 bar, G 1/4" connection thread, with spring reset, only suitable for PPS STANDARD ...				
Workbench, with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes		**PPS TABLE**	1206285	1



DIN rail cutter with bore hole die



DIN rail cutter with piercer and quick change mechanism



Hydraulic cylinder

Technical data

Width	Length	Height
180	**100**	**220**
19		
1000		
1000		

Ordering data

Type	Order No.	Pcs./Pkt.
PPS STANDARD M	1206175	1
PPS STANDARD I/M	1206230	1

Accessories

PPS-ST (3,5X12)L	1203563	1
PPS-ST (4,5X12)L	1203534	1
PPS-ST (5,5X12)L	1202603	1
PPS-ST (6,5X15)L	1202593	1
PPS-ST (3,5X12)Q	1203550	1
PPS-ST (4,5X12)Q	1203547	1
PPS-ST (5,5X12)Q	1203411	1
PPS-ST (6,5X15)Q	1203408	1
PPS-ST (3,8)	1204892	1
PPS-ST (4,3)	1202616	1
PPS-ST (5,3)	1202629	1
PPS-ST (6,4)	1202632	1
PPS-ST (7,0)	1204889	1
PPS-ST (8,4)	1202726	1
PPS HYDRAULIC CYL	1208924	1
PPS TABLE	1206285	1

Technical data

Width	Length	Height
250	**100**	**230**
19		
1000		
1000		

Ordering data

Type	Order No.	Pcs./Pkt.
PPS CLASSIC M	1206243	1
PPS CLASSIC I/M	1206256	1

Accessories

PPS-ST (3,5X12)L	1203563	1
PPS-ST (4,5X12)L	1203534	1
PPS-ST (5,5X12)L	1202603	1
PPS-ST (6,5X15)L	1202593	1
PPS-ST (3,5X12)Q	1203550	1
PPS-ST (4,5X12)Q	1203547	1
PPS-ST (5,5X12)Q	1203411	1
PPS-ST (6,5X15)Q	1203408	1
PPS-ST (3,8)	1204892	1
PPS-ST (4,3)	1202616	1
PPS-ST (5,3)	1202629	1
PPS-ST (6,4)	1202632	1
PPS-ST (7,0)	1204889	1
PPS-ST (8,4)	1202726	1
PPS TABLE	1206285	1

Technical data

Width	Length	Height
95	**95**	**110**
3		
-		
-		

Ordering data

Type	Order No.	Pcs./Pkt.
PPS HYDRAULIC CYL	1208924	1

Accessories

MICROFOX electronic pliers

- Various head shapes, even for areas that are difficult to access
- Precision-ground for exact cutting applications with minimum effort
- Mirror-polished and oiled metal surfaces
- Additional inductive hardened cutting for long-term, stable cutting performance

Notes:

Technical data regarding cutting capacity, see phoenixcontact.net/products



Diagonal cutter, with chamfer



Front cutter

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Electronic diagonal cutter, round head, with chamfer, with opening spring	MICROFOX-SB	1212489	1			
Electronic diagonal cutter, tapered head, angled (21°), without chamfer, with opening spring	MICROFOX-SP	1212488	1			
Electronic diagonal cutter, tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version	MICROFOX-SP-1	1212487	1			
Electronic front cutter, without chamfer, with opening spring				MICROFOX-E	1212494	1
Electronic front cutter, 20° angle, without chamfer, with opening spring				MICROFOX-EO	1212495	1

MICROFOX electronic pliers

- Ergonomically designed two-component grip for fatigue-proof and non-slip use
- Opening spring for uniform, smooth opening
- Through-connected joint for permanent stability and optimum distribution of force
- Smooth grip to prevent damage to components when gripping and bending



Needle-nose pliers



Flat and round-nose pliers

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Electronic needle-nose pliers, smooth grip, with opening spring	MICROFOX-P	1212491	1			
Electronic needle-nose pliers, 45° angle, smooth grip, with opening spring	MICROFOX-PC	1212492	1			
Electronic flat-nose pliers, smooth grip, with opening spring				MICROFOX-F	1212493	1
Electronic round-nose pliers, smooth grip, with opening spring				MICROFOX-R	1212490	1

MICROFOX ESD electronic pliers

- Mirror-polished and phosphate-treated metal surfaces for optimum corrosion protection and no glare when working
- Various head shapes, even for areas that are difficult to access
- Screwed precision-joint
- Precision-ground for exact cutting applications

Notes:

Technical data regarding cutting capacity, see phoenixcontact.net/products

ESD



Diagonal cutter

ESD



Front cutter

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
ESD electronic diagonal cutter, round head, without chamfer, with opening spring	MICROFOX-S ESD	1212480	1			
ESD electronic front cutter, without chamfer, with opening spring				MICROFOX-E ESD	1212485	1

MICROFOX ESD electronic pliers

- Special conductive, ESD-compliant plastics according to, for example: DIN EN 61340-5
- Ergonomically designed two-component handle for fatigue-proof and non-slip use
- Opening spring for uniform, smooth opening
- Smooth grip to prevent damage to components when gripping and bending

ESD



Needle-nose pliers

ESD



Flat and round-nose pliers

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
ESD electronic needle-nose pliers, smooth grip, with opening spring	MICROFOX-P ESD	1212482	1			
ESD electronic needle-nose pliers, 45° angle, smooth grip, with opening spring	MICROFOX-PC ESD	1212483	1			
ESD electronic flat-nose pliers, smooth grip, with opening spring				MICROFOX-F ESD	1212484	1
ESD electronic round-nose pliers, smooth grip, with opening spring				MICROFOX-R ESD	1212481	1

WIREFOX stripping tools

- Ergonomically shaped pliers
- WIREFOX ... stripping pliers feature an automatic adjustment mechanism for a wide range of different types of insulation and conductor sizes
- Practical integrated wire cutter
- Flexible, adjustable conductor limit stop
- The blade cartridges are replaced quickly and easily. They can be combined with each other



0.08 - 2.5 mm² conductor cross section



Conductor cross section of 0.1 - 4 mm², for special conductors

Technical data

Conductor/cable stripping range			
Conductor / cable	[mm²] / AWG	0.08 - 2.5 / 28 - 12	0.1 - 4 / 28 - 12
Stripping length up to ...	[mm]	15	18
Wire cutter solid // stranded	[mm²] / AWG	2.5 / 14 // 6 / 10	1.5 / 16 // 10 / 8

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Stripping tool, angled design, for cables and conductors with a cross section of 0.08 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 design, 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 design, 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

Replacement blade cartridge	**WIREFOX 2,5/SB**	1212369	1	**WIREFOX 4/SB**	1212151	1
Spare limit stop	**WIREFOX 2,5/WS**	1212370	1	**WIREFOX 10/WS**	1200285	1
Replacement clamping jaws				**WIREFOX 10/CJ**	1200286	1



Conductor cross section of 1.5 - 6 mm² for short-circuit-proof cables



0.02 - 10 mm² conductor cross section



4 - 16 mm² conductor cross section

EAC

Technical data

1.5 - 6 / 16 - 10
18
1.5 / 16 // 10 / 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-E 6SC	1212705	1

Accessories

WIREFOX 6SC/SB	1212314	1
WIREFOX 10/WS	1200285	1
WIREFOX 10/CJ	1200286	1

EAC

Technical data

0.02 - 10 / 34 - 8
18
1.5 / 16 // 10 / 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-E 10	1212706	1

Accessories

WIREFOX 10/SB	1212152	1
WIREFOX 10/WS	1200285	1
WIREFOX 10/CJ	1200286	1

EAC

Technical data

4 - 16 / 12 - 5
18
1.5 / 16 // 10 / 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-E 16	1212707	1

Accessories

WIREFOX 16/SB	1212153	1
WIREFOX 10/WS	1200285	1
WIREFOX 16/CJ	1200287	1

WIREFOX stripping tools





Conductor cross section 0.1 - 4 mm², for special conductors

- Ergonomically shaped pliers
- Anti-slip handle design provides a safe and comfortable grip
- WIREFOX ... stripping pliers feature an automatic adjustment mechanism for a wide range of different types of insulation and conductor sizes
- Practical integrated wire cutter
- Highly adjustable limit stop for the stripping length
- The blade cartridges are replaced quickly and easily. They can be combined with each other

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 lines and conductors (specially for short-circuit-proof lines) 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 wires 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

Replacement blade cartridge	**WIREFOX 4/SB**	1212151	1
Spare limit stop	**WIREFOX 10/WS**	1200285	1
Replacement clamping jaws	**WIREFOX 10/CJ**	1200286	1





Conductor cross section of 1.5 - 6 mm² for short-circuit-proof cables



0.02 - 10 mm² conductor cross section



4 - 16 mm² conductor cross section

EAC

Technical data

1.5 - 6 / 16 - 10
18
1.5 / 16 // 10 / 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX 6SC	1212158	1

Accessories

WIREFOX 6SC/SB	1212314	1
WIREFOX 10/WS	1200285	1
WIREFOX 10/CJ	1200286	1

EAC

Technical data

0.02 - 10 / 34 - 8
18
1.5 / 16 // 10 / 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX 10	1212150	1

Accessories

WIREFOX 10/SB	1212152	1
WIREFOX 10/WS	1200285	1
WIREFOX 10/CJ	1200286	1

EAC

Technical data

4 - 16 / 12 - 5
18
1.5 / 16 // 10 / 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX 16	1212155	1

Accessories

WIREFOX 16/SB	1212153	1
WIREFOX 10/WS	1200285	1
WIREFOX 16/CJ	1200287	1

WIREFOX stripping tools

– WIREFOX ... stripping pliers feature an automatic adjustment mechanism for a wide range of different types of insulation and conductor sizes
– Special blade geometries for various applications
– Precise and clean stripping results
– Any stripping lengths possible thanks to the special design of the pliers



For sensor/actuator cables (SAC cables)



For flat-ribbon conductor

		Technical data			Technical data		
Conductor/cable stripping range							
Conductor / cable	[mm²] / AWG	6 - 16 / 10 - 5			0.75 - 2.5 / 18 - 12		
		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 halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from 3.2 mm to 4.4 mm diameter, any stripping length	black	**WIREFOX SAC-1**	1212757	1			
Stripping pliers, for 0.75 - 2.5 mm² flat-ribbon conductor up to 15 mm wide, any stripping length	black				**WIREFOX FC**	1212619	1
Stripping pliers, for AS interface flat wires, any desired stripping length	black				**WIREFOX ASI**	1212154	1
Stripping pliers, strip cables for cable cutouts, cable tap-offs, and shield connections with a diameter of 8 - 9 mm, insulation thickness of up to 1.2 mm, stripping length of 20 mm and above	black						
Stripping pliers, for stripping conductors with a cross section of up to 10 mm², VDE-tested	black						
Multifunction stripping tool, for stripping 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	**WIREFOX FC/SB**	1200284	1
		WIREFOX SAC/SB	1200282	1	**WIREFOX ASI/SB**	1208076	1
		WIREFOX SAC-1/SB	1200283	1			



For both shielded and unshielded cables



Conductor cross section of 0.2 - 10 mm², (VDE)



Multifunctional tool

EAC

Technical data

- / -

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D SHIELD	1212172	1

Accessories

EAC

Technical data

0.2 - 10 / 24 - 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX 10 VDE	1212366	1

Accessories

EAC

Technical data

0.2 - 10 / 24 - 8

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-MP VDE	1212528	1

Accessories

WIREFOX stripping tools



- The right tool for every application
- Conductors and cables with all kinds of insulation are stripped up to a diameter of 40 mm
- The blades are precision ground. They represent long-term, reliable use
- Quick, easy, and reliable to use



Conductor diameter of 2.5 - 11 mm

EAC

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Stripping tool, for stripping multicore signal, control and fiberglass wires of 2.5 – 11-mm–Ø, insulation thickness up to 1 mm	black	**WIREFOX-D 11**	1212160	1
Stripping tool, for stripping installation wires with 8 - 13 mm–Ø, for example, NYM 3x1.5 mm² to NYM 5x2.5 mm², single-wire stripping, 0.2 - 4 mm², with blade for lateral cutting and extendable knife	black			
Stripping tool, for stripping conductors of 4.5 – 40–mm–Ø, insulation strength up to 4.5 mm, swiveling knife for round, longitudinal and spiral cuts	black			
Stripping tool, for stripping wires (especially fiber optics wires) of 4 – 16–mm–Ø	black			
Stripping tool, for stripping wires of 8 – 28–mm–Ø	black			

Accessories

Spare knife	**WIREFOX-D 11/SB**	1212312	1



Conductor diameter of 8 - 13 mm



Conductor diameter of 4.5 - 40 mm



Conductor diameter 4 - 16 mm / 4 - 28 mm

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D 13	1212162	1

Accessories

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D 40	1212161	1

Accessories

WIREFOX-D 40/SB	1212313	1

EAC

Ordering data

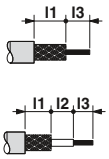
Type	Order No.	Pcs./Pkt.
WIREFOX-D 16	1212173	1
WIREFOX-D 28	1212174	1

Accessories

WIREFOX stripping tools



- Large selection of precision stripping tools
- The right tool for every application
- Easy to use
- Use of high-quality components for durability





For coaxial cables, conductor diameter of 2.5 - 7.6 mm

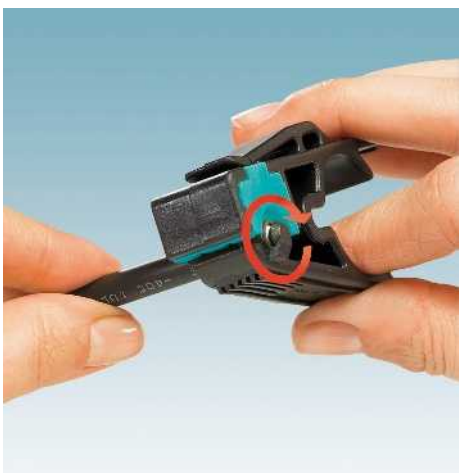
EAC

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Stripping tool, for coaxial cables, from 2.5 – 7.6 mm Ø, l3 = variable				
2-stage, strip-off dimension l1 = 6.0 mm	black	**WIREFOX-D CX-1**	1212163	1
2-stage, strip-off dimension l1 = 9.2 mm	black	**WIREFOX-D CX-2**	1212164	1
2-stage, strip-off dimension 1 = 12 mm	black	**WIREFOX-D CX-3**	1212165	1
2-stage, strip-off dimension l1 = 6.8 mm	black	**WIREFOX-D CX-4**	1212166	1
3-stage, strip-off dimension l1 = 5.5 mm, l2 = 5.5 mm	black	**WIREFOX-D CX-5**	1212167	1
3-stage, strip-off dimension l1 = 8.3 mm, l2 = 2.7 mm	black	**WIREFOX-D CX-6**	1212168	1
3-stage, strip-off dimension l1 = 6.0 mm, l2 = 6.0 mm	black	**WIREFOX-D CX-7**	1212169	1
3-stage, strip-off dimension l1 = 6.8 mm, l2 = 2.5 mm	black	**WIREFOX-D CX-8**	1212170	1
3-stage, strip-off dimension l1 = 7.5 mm, l2 = 3.5 mm	black	**WIREFOX-D CX-9**	1212171	1
Stripping tool, for CATV type F, stripping length: 6.35 mm	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 standard 2.5, 4, and 6 mm² solar cables, with 15 mm length stop, for SUNCLIX field connectors	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





For coaxial cables, RG 59 and RG 6



For solar cables, conductor cross section of 2.5 - 6 mm²



For solar cables, conductor cross section of 2.5 - 6 mm²

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D CX 6,35	1212733	1

Accessories

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D SR 6	1212507	1

Accessories

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX-D SR 6-1	1212511	1

Accessories

CRIMPHANDY, mobile crimping device, for conductor cross section 0.5 mm²

new





Conductor cross section 0.5 mm²

The CRIMPHANDY represents innovation for switchgear manufacturing. You can strip and crimp your conductors in under two seconds, using this portable hand-held device. That's 75% less time than before.

– The CRIMPHANDY impresses with its easy, effortless handling, which helps protect your joints and tendons
– The compact lightweight is ideal for mobile use in the field. Up to 2000 crimping operations can be performed thanks to the high-performance lithium-ion polymer battery
– Automatic cross section monitoring prevents faulty crimping as a result of incorrect conductor sizes
– The attachable waste receptacle collects the discarded insulation. It thereby helps to ensure a clean working environment
– The cutting unit provides a convenient option of cutting the conductors to length right at the device

Technical data

Dimensions		Width	Length	Height
	[mm]	**43**	**205**	**70**
General data				
Weight	[kg]	0.43		
Conductor	[mm²] / AWG	- 0.5 / -		
Working cycle	[s]	< 2		
Insertion length	[mm]	> 32 mm		
Compression		Square crimp		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Mobile crimping device, battery-powered, for processing 0.5 mm² reel ferrules with function end, incl. battery, charger (100 - 240 V), CUTFOX 12 cable cutter, service tool for troubleshooting and one strip of ferrules, packaged in a robust case			
Suitable for standard PVC conductors (H05V-K, class 5)	**CF CRIMPHANDY 0,5**	1212463	1

Accessories

Reel ferrules, with function end, 0.5 mm², 8 mm, with plastic sleeve, according to DIN 46228-4 and UL 486F, UL-certified, white, 50 pieces per strip, 20 strips per Pcs./Pkt.			
White, according to DIN 46228-4, UL 486F, and NFC 63-023	**AI 0,5-8 WH-S**	1212521	1000
Orange, special color	**AI 0,5-8 OG-S**	1212784	1000
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.68 Ah	**CF CRIMPHANDY/ACCU**	1212518	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	1212519	1
Replacement receptacle tray for CF CRIMPHANDY	**CF CRIMPHANDY/COVER**	1212709	1
Spare service tool, for CF CRIMPHANDY 0.5, to rectify faults	**CF CRIMPHANDY 0,5/SERVICE-TOOL**	1212787	1
Cutting unit, for CF CRIMPHANDY, for copper wires from 0.5 - 1.5 mm², incl. receptacle tray	**CF CRIMPHANDY CUTTER**	1212520	1



CRIMPHANDY, mobile crimping device, for conductor cross section 0.75 mm²

new





Conductor cross section 0.75 mm²

- Ferrules are automatically fed in, enabling multiple conductors to be crimped one after another without interruption. The sleeves in strip form are inserted via the integrated magazine
- The sleeves can be reloaded within a matter of seconds. The special sleeves with function end prevent incorrect insertion

The square crimp mold is particularly suited to the terminal blocks from the CLIPLINE complete system

- UT screw connection terminal blocks
- ST spring-cage connection terminal blocks
- PT Push-in connection terminal blocks
- COMBI plug-in connection solutions

Technical data

Dimensions		Width	Length	Height
	[mm]	**43**	**205**	**70**
General data				
Weight	[kg]	0.43		
Conductor	[mm²] / AWG	- 0.75 / -		
Working cycle	[s]	< 2		
Insertion length	[mm]	> 32 mm		
Compression		Square crimp		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Mobile crimping device, battery-powered, for processing 0.75 mm² taped ferrules with function end, incl. battery, charger (100 - 240 V), CUTFOX 12 cable cutter, service tool for troubleshooting and one strip of ferrules, packaged in a robust case			
Suitable for standard PVC conductors (H05V-K, class 5)	**CF CRIMPHANDY 0,75**	1212464	1

Accessories

Reel ferrules, with function end, 0.75 mm², 8 mm, with plastic sleeve, according to DIN 46228-4: 1990-09 and UL 486F, UL-certified, 50 pieces per strip, 20 strips per Pcs./Pkt.			
Gray, according to DIN 46228-4 and UL 486F	**AI 0,75- 8 GY-S**	1212522	1000
White, special color	**AI 0,75- 8 WH-S**	1212783	1000
Blue, in accordance with NFC 63-023	**AI 0,75- 8 BU-S**	1212785	1000
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.68 Ah	**CF CRIMPHANDY/ACCU**	1212518	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	1212519	1
Replacement receptacle tray for CF CRIMPHANDY	**CF CRIMPHANDY/COVER**	1212709	1
Spare service tool, for CF CRIMPHANDY 0.75, to rectify faults	**CF CRIMPHANDY 0,75/SERVICE-TOOL**	1212786	1
Cutting unit, for CF CRIMPHANDY, for copper wires from 0.5 - 1.5 mm², incl. receptacle tray	**CF CRIMPHANDY CUTTER**	1212520	1



CRIMPHANDY, mobile crimping device, for conductor cross section 1.0 mm²



The CRIMPHANDY represents innovation for switchgear manufacturing. You can strip and crimp your conductors in under two seconds, using this portable hand-held device. That's 75% less time than before.

- The CRIMPHANDY impresses with its easy, effortless handling, which helps protect your joints and tendons
- The compact lightweight is ideal for mobile use in the field. Up to 2000 crimping operations can be performed thanks to the high-performance lithium-ion polymer battery
- Automatic cross section monitoring prevents faulty crimping as a result of incorrect conductor sizes
- The attachable waste receptacle collects the discarded insulation. It thereby helps to ensure a clean working environment
- The cutting unit provides a convenient option of cutting the conductors to length right at the device



Notes:

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





1.0 mm² conductor cross section

Technical data

Dimensions			
	Width	Length	Height
	[mm]		
	43	**205**	**70**
General data			
Weight	[kg]	0.43	
Conductor	[mm²] / AWG	- 1 / -	
Working cycle	[s]	< 2	
Insertion length	[mm]	> 32 mm	
Compression		Square crimp	

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Portable hand-held device, battery-powered, for ferrules, 1.0 mm², incl. battery and charger, 100 - 240 V, in a robust case **Mobile crimping device, battery-powered,** for processing 1.0 mm² reel ferrules with function end, incl. battery, charger (100 - 240 V), CUTFOX 12 cable cutter, service tool for troubleshooting and one strip of ferrules, packaged in a robust case Suitable for standard PVC conductors (H05V-K, class 5)	**CF CRIMPHANDY 1,0**	1212465	1

Accessories

Reel ferrules, 1.0 mm², 8 mm, with plastic sleeve, according to DIN 46228-4, 50 pieces per strip, 20 strips per unit pack			
Red, according to DIN 46228-4 and NF C 63-023: 1994-02	**AI 1,0-8 RD-S**	1212523	1000
Yellow, special color	**AI 1,0-8 YE-S**	1212782	1000
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.68 Ah	**CF CRIMPHANDY/ACCU**	1212518	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	1212519	1
Replacement receptacle tray for CF CRIMPHANDY	**CF CRIMPHANDY/COVER**	1212709	1
Replacement service tool, for CF-CRIMPHANDY 1.0	**CF CRIMPHANDY 1,0/SERVICE-TOOL**	1212759	1
Cutting unit, for CF CRIMPHANDY, for copper wires from 0.5 - 1.5 mm², incl. receptacle tray	**CF CRIMPHANDY CUTTER**	1212520	1

CRIMPHANDY, mobile crimping device, for conductor cross section of 1.5 mm²



– Ferrules are automatically fed in, enabling multiple conductors to be crimped one after another without interruption. The sleeves in strip form are inserted via the integrated magazine
– The sleeves can be reloaded within a matter of seconds. The special sleeves with function end prevent incorrect insertion

The square crimp mold is particularly suited to the terminal blocks from the CLIPLINE complete system
– PT Push-in connection terminal blocks
– UT screw connection terminal blocks
– ST spring-cage connection terminal blocks
– COMBI plug-in connection solutions

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





1.5 mm² conductor cross section

EAC

Technical data

Dimensions		Width	Length	Height
	[mm]	**43**	**205**	**70**
General data				
Weight	[kg]	0.43		
Conductor	[mm²] / AWG	- 1.5 / -		
Working cycle	[s]	< 2		
Insertion length	[mm]	> 32 mm		
Compression		Square crimp		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Mobile crimping device, battery-powered, for processing 1.5 mm² reel ferrules with function end, incl. battery, charger (100 - 240 V), CUTFOX 12 cable cutter, service tool for troubleshooting and one strip of ferrules, packaged in a robust case			
Suitable for standard PVC conductors (H05V-K, class 5)	**CF CRIMPHANDY 1,5**	1212466	1

Accessories

Reel ferrules, 1.5 mm², 8 mm, with plastic sleeve, according to DIN 46228-4, 50 pieces per strip, 20 strips per unit pack			
Black, according to DIN 46228-4 and NF C 63-023: 1994-02	**AI 1,5-8 BK-S**	1212524	1000
Red, special color	**AI 1,5-8 RD-S**	1212781	1000
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.68 Ah	**CF CRIMPHANDY/ACCU**	1212518	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	1212519	1
Replacement receptacle tray for CF CRIMPHANDY	**CF CRIMPHANDY/COVER**	1212709	1
Spare service tool, for CF-CRIMPHANDY 1,5, to rectify faults	**CF CRIMPHANDY 1,5/SERVICE-TOOL**	1212708	1
Cutting unit, for CF CRIMPHANDY, for copper wires from 0.5 - 1.5 mm², incl. receptacle tray	**CF CRIMPHANDY CUTTER**	1212520	1



CRIMPFOX 4 IN 1 multi-functional crimping pliers



– The multi-functional CRIMPFOX 4 IN 1 crimping pliers are used to process taped ferrules according to DIN 46228-4
– 4 functions combined in a single tool: cutting, stripping, twisting, and crimping
– An effective handling process enables all steps to be performed without putting the tool down



– Fitted with a releasing pressure lock, the pliers provide consistently high-quality crimping. It is ideally suited to use in industrial applications



– The robust stripping unit with its special blade geometry provides permanently consistent stripping results
– Length and cross section settings are not necessary
– In order to re-establish the twist which is lost during the stripping process, a twisting system is included



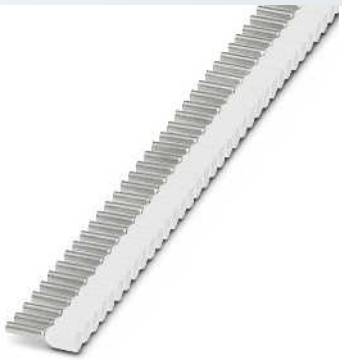
– The cross section can be conveniently changed in a matter of seconds by replacing the magazine which is loaded with taped product

Application range	
Conductor	[mm²] / AWG
Compression	

Description	Color
Tool for processing ferrules with cutting, stripping, twisting, and crimping unit, with one magazine	
Tool for processing ferrules with cutting, stripping, twisting, and crimping unit, with three magazines, including one strip each of ferrules from 0.5 mm² - 2.5 mm², packaged in a robust plastic case	
Reel ferrules, ferrule length 8 mm, in accordance with DIN 46228-4 and UL 486F, 10 strips each with 50(40) sleeves.	
0.5 mm²	white
0.75 mm²	gray
1.0 mm²	red
1.5 mm²	black
	blue
Reel ferrules, color in accordance with NF C 63-023	
0.75 mm²	blue
2.5 mm²	gray
Ferrule magazine for CRIMPFOX 4 IN 1, for ferrules with insulating collars from 0.5 - 2.5 mm² with a length of 8 mm	



Multi-functional ferrule crimping pliers



Conductor cross section of 0.5 - 2.5 mm²

Technical data	
0.5 - 2.5 / 20 - 14	- / -
Indent crimp	-

Ordering data		
Type	**Order No.**	Pcs./Pkt.
CRIMPFOX 4 IN 1	**1200101**	1
CRIMPFOX 4 IN 1 SET	**1200102**	1

Accessories		
CRIMPFOX 4 IN 1/MAG	**1200103**	1

Technical data	
- / -	
-	

Ordering data		
Type	**Order No.**	Pcs./Pkt.
AI 0,5-8 WH S1	**1200104**	500
AI 0,75- 8 GY S1	**1200105**	500
AI 1,0-8 RD S1	**1200106**	500
AI 1,5-8 BK S1	**1200107**	500
AI 2,5-8 BU S1	**1200108**	400
AI 0,75- 8 BU S1	**1200163**	500
AI 2,5-8 GY S1	**1200164**	400

Accessories		

CRIMPFOX crimping pliers for ferrules





0.25 - 2.5 mm² conductor cross section

- The ergonomically designed handles and the optimized mechanical transmission ensure an optimum grip and significantly reduce the amount of force required.
- Consistently high crimping quality thanks to the integrated pressure lock
- Marked die stations for precise processing of the relevant cross sections

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 46228-1/4 and UL 486F, unlockable pressure lock, lateral entry	**CRIMPFOX 2,5-M**	1212719	1
Crimping pliers, for ferrules according to DIN 46228-1-4 and UL 486F, five marked die stations, unlockable pressure lock, lateral entry			
Crimping pliers, compact pliers, for ferrules according to DIN 46228-1/4 and UL 486F, unlockable pressure lock, lateral entry			
Crimping pliers, for ferrules according to DIN 46228-1/-4 and UL 486F, unlockable pressure lock, lateral entry			

Accessories

Replacement die			
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1



Conductor cross section of 0.25 - 6 mm²



0.25 - 6 mm² conductor cross section



4 - 10 mm² conductor cross section

EAC

Technical data

0.25 - 6 / 24 - 10
Trapezoidal crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 6	1212034	1

Accessories

CRIMPFOX 6/DIE	1212035	1
CRIMPFOX/ SPR-3	1212036	10

Technical data

0.25 - 6 / 24 - 10
Trapezoidal crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 6-M	1212720	1

Accessories

CRIMPFOX/ SPR-1	1212069	1

Technical data

4 - 10 / 12 - 8
Trapezoidal crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 10	1212721	1

Accessories

CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX crimping pliers for ferrules





Conductor cross section of 0.5 - 6 mm²

- Consistently high crimping quality thanks to the integrated pressure lock
- The self-adjusting dies automatically adjust to the sleeve sizes
- Bound to impress thanks to the quick and reliable contact processing method
- Ergonomically designed handles ensure an optimum grip. They help avoid fatigue when working

Technical data

Application range		
Conductor	[mm²] / AWG	0.5 - 6 / 20 - 10
Compression		Square crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for ferrules according to DIN 46228-1/-4 and UL 486F, self-adjusting die, unlockable pressure lock, front entry	**CRIMPFOX 6S-F**	1212043	1
Crimping pliers, for ferrules according to DIN 46228-1/-4 and UL 486F, self-adjusting die, unlockable pressure lock, lateral entry			

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-3**	1212036	10



Conductor cross section of 0.25 - 6 mm²

EAC

Technical data

0.25 - 6 / 24 - 10
Trapezoidal crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 6T	1212037	1

Accessories

CRIMPFOX/ SPR-1	1212069	1



Conductor cross section of 0.25 - 6 mm²

EAC

Technical data

0.25 - 6 / 24 - 10
Trapezoidal crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 6T-F	1212038	1

Accessories

CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX crimping pliers for ferrules

– The self-adjusting die of the crimping pliers automatically adapts to the size of the sleeve and impresses with its quick and reliable contact processing method.

new



Conductor cross section 0.14 ... 6 mm²

Technical data

Application range		
Conductor	[mm²] / AWG	0.14 - 6 / 26 - 10
Compression		Square crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for ferrules according to DIN 46228-1/-4 and UL 486F, 0.14 ... 6 mm², unlockable pressure lock, lateral entry	**CRIMPFOX CENTRUS 6S**	1213144	1

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-4**	1200288	1

new



Conductor cross section 0.14 ... 6 mm²

Technical data

Application range		
Conductor	[mm²] / AWG	0.14 - 6 / 26 - 10
Compression		HEX crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX CENTRUS 6H	1213146	1

Accessories

CRIMPFOX/ SPR-4	1200288	1

CRIMPFOX crimping pliers for ferrules

– These compact crimping pliers have been designed to reduce effort when working
– The minimal gripping distance and the ergonomic handle shape enable comfortable use, with up to 30% less manual force. Also ideally suited for TWIN sleeves.

new



Conductor cross section 0.14 ... 10 mm²

Technical data

Application range		
Conductor	[mm²] / AWG	0.14 - 10 / 26 - 8
Compression		Square crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for ferrules according to DIN 46228-1/-4 and UL 486F, 0.14 ... 10 mm², unlockable pressure lock, lateral entry	**CRIMPFOX CENTRUS 10S**	1213154	1

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-4**	1200288	1

new



Conductor cross section 0.14 ... 10 mm²

Technical data

Application range		
Conductor	[mm²] / AWG	0.14 - 10 / 26 - 8
Compression		HEX crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX CENTRUS 10H	1213156	1

Accessories

CRIMPFOX/ SPR-4	1200288	1

CRIMPFOX crimping pliers for ferrules

– These crimping pliers are used to conveniently process ferrules measuring up to 50 mm²
– Ergonomically designed handles ensure an optimum grip. The optimized mechanism reduces the amount of force required.

Notes:
Find corresponding ferrules from page 480.



Conductor cross section of 10 - 25 mm²



Conductor cross section of 35 - 50 mm²

		Technical data	Technical data
Application range			
Conductor	[mm²] / AWG	10 - 25 / 8 - 4	35 - 50 / 2 - 1
Compression		WM crimp	WM crimp

	Ordering data			Ordering data		
Description	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Crimping pliers, for ferrules according to DIN 46228-1-4 and UL 486F, three marked die stations, unlockable pressure lock, lateral entry						
Two marked die stations	**CRIMPFOX 25R**	1212039	1	**CRIMPFOX 50R**	1212041	1

	Accessories			Accessories		
Replacement die	**CRIMPFOX 25R/DIE**	1212040	1	**CRIMPFOX 50R/DIE**	1212042	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1	**CRIMPFOX/ SPR-1**	1212069	1

CRIMPFOX crimping pliers for TWIN ferrules

new

– These pliers are specially designed for convenient, high process reliability of TWIN ferrules
– The innovative mechanical design of these pliers means that up to 25% less force is required compared to conventional pliers.
– The balanced weight distribution ensures low-fatigue, convenient application



Conductor cross section 2 x 6 ... 2 x 16 mm²

		Technical data
Application range		
Conductor	[mm²] / AWG	2 x 6 ... 2 x 16 / 2 x 10 ... 2 x 6
Compression		WM crimp

	Ordering data		
Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for TWIN ferrules according to UL 486F, three marked die stations, unlockable pressure lock, lateral entry			
	CRIMPFOX 16R TWIN	1212845	1

	Accessories		
Replacement die for TWIN ferrules (AI-TWIN ...) 2 x 6, 2 x 10 and 2 x 16 mm²	**CRIMPFOX 16R TWIN/DIE**	1212846	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1

CRIMPFOX crimping pliers for cable lugs and connectors

– Consistently high crimping quality thanks to the integrated pressure lock
– The color coded dies clearly indicate the cross section

Notes:

Suitable ferrules, cable lugs and slip-on blade connectorshave been documented, see from page 480.



Conductor cross section of 0.14 - 1 mm²



Conductor cross section of 0.5 - 2.5 mm²

EAC

Technical data

Application range

Conductor	[mm²] / AWG	0.14 - 1 / 26 - 18
Compression		Oval crimp

Ordering data

Description	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			
Crimping pliers, compact pliers, for insulated cable lugs (red, blue), two marked die stations, unlockable cable lug, lateral entry			
Crimping pliers, for insulated cable lugs symmetric (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, for insulated symmetrical DIN cable lugs (red, blue, yellow), three marked die stations, pressure lock can be unlocked, lateral entry black			
Crimping pliers, for insulated cable lugs asymmetric (red, blue, yellow), three marked die stations, pressure lock can be released, lateral entry black			
Crimping pliers, for fully insulated shrink connectors (red, blue, yellow), three marked die stations, unlockable pressure lock, lateral entry black			

Accessories

Replacement die	**CRIMPFOX-RCI 1/DIE**	1212056	1
Replacement recuperating spring	**CRIMPFOX/ SPR-3**	1212036	10

EAC

Technical data

		0.5 - 2.5 / 20 - 14
		Oval crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RCI 2,5	1212053	1

Accessories

CRIMPFOX-RCI 2,5/DIE	1212054	1
CRIMPFOX/ SPR-3	1212036	10



Conductor cross section of 0.5 - 2.5 mm²



Conductor cross section of 0.5 - 6 mm²



Conductor cross section of 0.5 - 6 mm²

EAC

Technical data

0.5 - 2.5 / 20 - 14
Oval crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RCI 2,5-M	1212728	1

Accessories

CRIMPFOX/ SPR-1	1212069	1

Technical data

0.5 - 6 / 20 - 10
Oval crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RCI 6	1212057	1
CRIMPFOX-RCI 6-M	1212730	1
CRIMPFOX-RCI DIN 6	1212729	1
CRIMPFOX-RCI 6-1	1212059	1

Accessories

CRIMPFOX-RCI 6/DIE	1212058	1
CRIMPFOX-RCI 6-1/DIE	1212290	1
CRIMPFOX/ SPR-1	1212069	1

Technical data

0.5 - 6 / 20 - 10
Oval crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-HS 6	1212722	1

Accessories

CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX crimping pliers for non-insulated cable lugs

– The ergonomically designed handles and the optimized mechanical transmission ensure an optimum grip and significantly reduce the amount of force required.
– Compact and lightweight design
– Unlockable pressure lock

Notes:

Suitable ferrules, cable lugs and slip-on blade connectors have been documented, see from page 480.



Conductor cross section of 0.34 - 2.5 mm²



Conductor cross section of 0.5 - 6 mm²

EAC

	Technical data	Technical data
Application range		
Conductor [mm²] / AWG	0.34 - 2.5 / 22 - 14	0.5 - 6 / 20 - 10
Compression	Indent crimp	Indent crimp

	Ordering data			Ordering data		
Description	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Crimping pliers, for non-insulated 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				**CRIMPFOX-RC 6-M**	1212724	1
Crimping pliers, compact pliers, for uninsulated cable lugs in accordance with JIS C 2805 type R, with crimp marking, unlockable pressure lock, lateral entry						
Crimping pliers, for uninsulated cable lugs, two marked die stations, unlockable pressure lock, lateral entry						
Crimping pliers, for uninsulated cable lugs, three marked die stations, unlockable pressure lock, lateral entry						

	Accessories			Accessories		
Replacement die	**CRIMPFOX-RC 2,5/DIE**	1212064	1			
Replacement recuperating spring	**CRIMPFOX/ SPR-3**	1212036	10	**CRIMPFOX/ SPR-1**	1212069	1

new



Conductor cross section of 0.5 - 5.5 mm²



Conductor cross section of 0.5 - 6 mm²



Conductor cross section of 4 - 10 mm²

EAC

Technical data

0.5 - 5.5 / 20 - 10
Indent crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RC 5,5 JP	1217753	1

Accessories

CRIMPFOX/ SPR-3	1212036	10

Technical data

0.5 - 6 / 20 - 10
Indent crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RC 6	1212710	1

Accessories

CRIMPFOX/ SPR-3	1212036	10

EAC

Technical data

4 - 10 / 12 - 8
Indent crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RC 10	1212061	1

Accessories

CRIMPFOX-RC 10/DIE	1212062	1
CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX crimping pliers for non-insulated cable lugs

– Unlockable pressure lock
– Marked die stations for precise processing of the relevant cross sections
– The fixing print run on the lower handle edge is set on the surfaces, to support manual force.



Conductor cross section of 10 - 25 mm²

Technical data

Application range		
Conductor	[mm²] / AWG	10 - 25 / 8 - 4
Compression		Indent crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimp pliers, for non-insulated cable lugs	**CRIMPFOX-RC 25**	1212065	1

Accessories

Replacement die	**CRIMPFOX-RC 25/DIE**	1212299	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1

CRIMPFOX crimping pliers for uninsulated tubular cable lugs

– Consistently high crimping quality thanks to the integrated pressure lock



Conductor cross section of 4 - 16 mm²



Conductor cross section of 10 - 70 mm²

Technical data

Application range		
Conductor	[mm²] / AWG	4 - 16 / 11 - 5
Compression		Indent crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for standard, uninsulated tubular cable lugs, three marked die stations	**CRIMPFOX-RCT 16-1**	1212731	1
Crimping pliers, for standard, uninsulated tubular cable lugs, three marked die stations, unlockable pressure lock, lateral entry, 10 - 25 mm² conductor cross section, crimping: HEX crimp			
Crimping pliers, for standard, uninsulated tubular cable lugs, with rotatable die, 5 stations, 10 - 70 mm² conductor cross section			

Technical data

Application range		
Conductor	[mm²] / AWG	10 - 70 / 8 - 00
Compression		Indent crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RCT 25-1	1212066	1
CRIMPFOX-RCT 70-1	1212732	1

CRIMPFOX basic pliers, for accommodating various crimp inserts

– Universal crimping pliers up to 120 mm²
– Wide variety of available dies
– Easily foldable jaw holders mean that the dies can be changed quickly
– A mechanical ratchet system keeps the level of force required to an absolute minimum

Notes:

Suitable ferrules, cable lugs and slip-on blade connectors have been documented, see from page 480.

For more dies, visit phoenixcontact.net/products.



Basic pliers for various dies up to 50 mm²



Basic pliers for various dies up to 120 mm²

EAC

EAC

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Basic pliers, with ratchet function, accommodates pressing dies for various types of contact						
Up to 50 mm²	CRIMPFOX-C50	1212340	1			
Two-hand operation up to 120 mm²				CRIMPFOX-C120	1212318	1
	Accessories			**Accessories**		
Die upper part, for ferrules 50 mm², 70 mm², trapezoidal crimp						
For 95 mm²				CRIMPFOX-C120 AI 70/M-DIE	1212335	1
Lower part of die, for ferrules 50 mm², trapezoidal crimp				CRIMPFOX-C120 AI 95/M-DIE	1212336	1
For 70 mm²				CRIMPFOX-C120 AI 50/F-DIE	1212337	1
For 95 mm²				CRIMPFOX-C120 AI 70/F-DIE	1212338	1
Die (pair), for ferrules 120 mm², trapezoid crimp				CRIMPFOX-C120 AI 95/F-DIE	1212339	1
				CRIMPFOX-C120 AI 120/DIE	1209910	1
Die pair, for insulated cable lugs, 10 mm², oval crimp						
	CRIMPFOX-C50 RCI 10/DIE	1212346	1	CRIMPFOX-C120 RCI 10/DIE	1212327	1
For 16 mm²	CRIMPFOX-C50 RCI 16/DIE	1212347	1	CRIMPFOX-C120 RCI 16/DIE	1212328	1
For 25 mm²	CRIMPFOX-C50 RCI 25/DIE	1212348	1	CRIMPFOX-C120 RCI 25/DIE	1212329	1
For 35 mm²				CRIMPFOX-C120 RCI 35/DIE	1212330	1
Die upper part, for non-isolated 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 non-isolated 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 commercially available copper tubular cable lugs, 35 mm², WM crimp						
	CRIMPFOX-C50 RCT 35-1/DIE	1212341	1			
For 16, 35 mm²				CRIMPFOX-C120 RCT 35-1/DIE	1212320	1
For 50 mm²	CRIMPFOX-C50 RCT 50-1/DIE	1212342	1			
For 25, 50 mm²				CRIMPFOX-C120 RCT 50-1/DIE	1212321	1
For 10, 70 mm²				CRIMPFOX-C120 RCT 70-1/DIE	1212319	1
For 95 mm²				CRIMPFOX-C120 RCT 95-1/DIE	1212322	1
For 120 mm²				CRIMPFOX-C120 RCT 120-1/DIE	1212323	1
Pre-round die (pair), for sector cable, 25, 35 mm²						
	CRIMPFOX-C50 R25-35/DIE	1212349	1			
For 35, 50 mm²	CRIMPFOX-C50 R35-50/DIE	1212350	1			
For 50, 70 mm²	CRIMPFOX-C50 R50-70/DIE	1212351	1			
For 25, 50 mm²				CRIMPFOX-C120 R25-50/DIE	1212324	1
For 35, 70 mm²				CRIMPFOX-C120 R35-70/DIE	1212325	1
For 95 mm²				CRIMPFOX-C120 R95/DIE	1212326	1

CRIMPFOX crimping pliers for non-insulated slip-on sleeves

– Processes uninsulated slip-on blade connectors and slip-on sleeves up to 6 mm².
– Consistently high crimping quality thanks to the integrated pressure lock
– Marked die stations for precise processing of the relevant cross sections

Notes:

Suitable ferrules, cable lugs and slip-on blade connectors have been documented, see from page 480.



Conductor cross section of 0.1 - 1.5 mm²



Conductor cross section of 0.1 - 1.5 mm²

EAC

Technical data

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 non-insulated slip-on sleeves, three marked die stations, unlockable pressure lock, lateral entry	black	**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 non-insulated slip-on sleeves, three marked die stations, unlockable pressure lock, lateral entry	black						
Crimping pliers, for 2.8 / 4.8 / 6.3 mm non-insulated slip-on sleeves, three marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool	black						
Crimping pliers, compact pliers, for angled (right), uninsulated slip-on sleeves, marked die station, unlockable pressure lock, lateral entry							

Accessories

Replacement die		**CRIMPFOX-SC 1,5/DIE**	1212049	1			
Replacement recuperating spring		**CRIMPFOX/ SPR-3**	1212036	10	**CRIMPFOX/ SPR-1**	1212069	1



Conductor cross section of 0.5 - 6 mm²



Conductor cross section of 0.5 - 6 mm²



For angled slip-on sleeves, 1.0 - 2.5 mm² conductor cross section

EAC

Technical data

0.5 - 6 / 20 - 10
B crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-SC 6	1212050	1

Accessories

CRIMPFOX-SC 6/DIE	1212051	1
CRIMPFOX/ SPR-1	1212069	1

EAC

Technical data

0.5 - 6 / 22 - 10
B crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-SC 6L	1212052	1

Accessories

CRIMPFOX-SC 6/DIE	1212051	1
CRIMPFOX/ SPR-1	1212069	1

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



Conductor cross section of 0.14 - 4 mm²

Technical data

Application range		
Conductor	[mm²] / AWG	0.14 - 4 / 26 - 12
Compression		Square crimp

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Crimping pliers, for turned pin and socket contacts, CK1,6-ED..., CK2,5-ED..., CK4,0-ED... 0.14 - 4.0 mm²	black	**CRIMPFOX-TC 4**	1212113	1
Crimping pliers, for turned pin and socket contacts, CK4,0-ED..., 6.0 -10.0 mm²	black	**CRIMPFOX-TC 10**	1212114	1

Accessories

Replacement die		
- For CRIMPFOX-TC 4	**CRIMPFOX-TC 4/DIE**	1212295 1
- For CRIMPFOX-TC 10	**CRIMPFOX-TC 10/DIE**	1212296 1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069 1

CRIMPFOX four-mandrel crimping pliers for turned contacts, with digital display

– Crimping pliers for processing turned pin and socket contacts of up to 2.5 mm²
– Crimp depth setting in increments from 0.01 mm possible
– Low strain and length adjustment of the contacts thanks to special crimp geometry
– The integrated positioning tool ensures that the contacts are perfectly aligned in the die
– You can find further details on this product (incl. connector matrix) at phoenixcontact.net/products



Conductor cross sections of 0.08 - 2.5 mm²

Technical data

Application range		
Conductor	[mm²] / AWG	0.08 - 2.5 / 28 - 14
Compression		Four-mandrel crimping

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Crimping pliers, for turned contacts, universal cross section setting, up to a maximum of 2.5 mm², digital display with 0.01 mm increments, unlockable pressure lock, lateral entry, including positioning tool	black	**CRIMPFOX-TC MP**	1212510	1
Crimping pliers, for turned contacts, universal cross section setting, from 0.08 mm² up to a maximum of 2.5 mm², digital display with 0.01 mm increments, pressure lock can be unlocked, lateral entry, including positioning tool	black	**CRIMPFOX-TC MP-1**	1212620	1

CRIMPFOX crimping pliers for coaxial connectors

– CRIMPFOX-CX... are crimping pliers for processing coaxial connectors
– Consistently high crimping quality thanks to the pressure lock, which can be unlocked without tools
– Marked die stations for precise processing of the relevant cross sections

Notes:

Spare dies and spare retaining springs can be found in the product area on our website at phoenixcontact.net/products.



for coaxial connectors



for coaxial connectors

EAC

Description	Color	Technical data Type	Order No.	Pcs./Pkt.	Technical data Type	Order No.	Pcs./Pkt.
Application range							
Compression		HEX crimp			HEX crimp		
		Ordering data			**Ordering data**		
Crimp pliers, for: Coaxial connector 1.69 mm, 3.25 mm, 4.52 mm, three marked die stations, pressure lock can be released, lateral entry, hex crimp	black	**CRIMPFOX-CX 4,52**	1212094	1			
Crimping pliers, compact pliers, coaxial connectors, 1.69 mm, 3.25 mm, 4.52 mm, three marked die stations, unlockable pressure lock, lateral entry, Hex crimp	black				**CRIMPFOX-CX 4,52-M**	1212713	1
Crimping pliers, compact pliers, coaxial connectors, 1.69 mm, 5.41 mm, 6.48 mm, three marked die stations, unlockable pressure lock, lateral entry, Hex crimp	black				**CRIMPFOX-CX 6,48-M**	1212714	1
Crimping pliers, for: coaxial connectors, 1.69 mm, 5.41 mm, 6.48 mm, three marked die stations, unlockable pressure lock, lateral entry, Hex crimp	black	**CRIMPFOX-CX 6,48**	1212095	1			
Crimping pliers, compact pliers, coaxial connectors, 0.7 mm, 1.07 mm, 1.69 mm, 3.25 mm, 4.52 mm, 5.41 mm, six marked die stations, unlockable pressure lock, lateral entry, Hex crimp	black				**CRIMPFOX-CX 5,41-M**	1212712	1
Crimping pliers, for: coaxial connectors, 1.73 mm, 8.23 mm, 9.14 mm, three marked die stations, unlockable pressure lock, lateral entry	black				**CRIMPFOX-CX 9,14**	1212096	1
Crimping pliers, for: coaxial connectors, 2.54 mm, 10.54 mm, two marked die stations, unlockable pressure lock, lateral entry	black				**CRIMPFOX-CX 10,54**	1212097	1
Crimping pliers, for: coaxial connectors, 2.54 mm, 10.90 mm, two marked die stations, unlockable pressure lock, lateral entry	black				**CRIMPFOX-CX 10,90**	1212098	1
Crimping pliers, compact pliers, coaxial connectors, 1.69 mm, 2.54 mm, 5.41 mm, 10.90 mm, four marked die stations, unlockable pressure lock, lateral entry	black				**CRIMPFOX-CX 10,90-1**	1212715	1
Crimping pliers, compact pliers, coaxial connectors, HDTV, BNC, TNC, 1.04 mm, 4.52 mm, 6.48 mm, 7.06 mm, four marked die stations, unlockable pressure lock, lateral entry	black				**CRIMPFOX-CX 7,06 HD-M**	1212718	1

CRIMPFOX crimping pliers for coaxial CATV connectors

- CRIMPFOX-CATV... are crimping pliers for processing coaxial CATV connectors
- Consistently high crimping quality thanks to the pressure lock
- It releases as soon as the required crimping pressure is reached. This ensures sufficient pressure is applied
- Ergonomically designed handle for fatigue-proof and non-slip use



For CATV connectors



For CATV connectors

Technical data

Application range

Compression: HEX crimp

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping pliers, for CATV connectors, RG 6.59, 1.69 mm, 8.23 mm, two marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-CATV 8,23**	1212716	1
Crimping pliers, for CATV connectors, 6.65 mm, 8.23 mm, 9.70 mm, three marked die stations, unlockable pressure lock, lateral entry	**CRIMPFOX-CATV 8,23-1**	1212717	1

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-1**	1212069	1

Technical data

HEX crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-CATV 8,23-1	1212717	1

Accessories

Type	Order No.	Pcs./Pkt.
CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX crimping pliers for D-SUB, coaxial, and fiber optic connectors

- The integrated positioning tool of the CRIMPFOX D-SUB... ensures that the contacts are perfectly aligned in the die

Notes:

Spare dies and spare retaining springs can be found in the product area on our website at phoenixcontact.net/products.



For D-SUB contacts





For FO connectors

Technical data

Application range

Compression: B crimp

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Crimping pliers - For rolled D-SUB contacts, high-density, 0.08 mm² - 0.5 mm², incl. contact locator	black	**CRIMPFOX-DSUB 5**	1212111	1
- For rolled D-SUB contacts, standard, 0.05 mm² - 0.5 mm², incl. contact locator	black	**CRIMPFOX-DSUB 5-1**	1212711	1
Crimping pliers, for fiber optics connector, 3.25 mm, 3.84 mm, 4.52 mm, 5.0 mm, 5.41 mm, five marked die stations, pressure lock can be released, lateral entry	black			

Accessories

Replacement recuperating spring	**CRIMPFOX/ SPR-3**	1212036	10

Technical data

HEX crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-FO 5,41	1212099	1

Accessories

Type	Order No.	Pcs./Pkt.
CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX crimping pliers for solar connectors

new

- Safe crimping of MC3 and MC4 solar connectors from Multi-Contact and SOLARLOK connectors from Tyco
- Ergonomically designed grip
- Optimized mechanical transmission reduces the force required by up to 25 percent



Conductor cross section of 2.5 - 6 mm²



Conductor cross section of 2.5 - 6 mm²

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Crimping pliers, square crimp, for MC3 solar connectors, 2.5 – 6 mm², unlockable pressure lock, lateral entry, with three marked die stations	**CRIMPFOX-SR 6-1**	1212467	1			
Crimping pliers, B-crimp, for MC4 solar connectors, 2.5 – 6 mm², unlockable pressure lock, lateral entry, with three marked die stations	**CRIMPFOX-SR 6-2**	1212468	1			
Crimping pliers, square crimp, for SOLARLOK solar connectors, 2.5 – 6 mm², unlockable pressure lock, lateral entry, with three marked die stations	**CRIMPFOX-SR 6-3**	1212469	1			
Crimping pliers, B-crimp, for SUNCLIX solar crimp connectors 2.5 ... 6 mm², unlockable pressure lock, precise parallel crimping, lateral entry, including positioning tool				**CRIMPFOX-P SR 6**	1212755	1

CRIMPFOX universal pliers for accommodating various crimp inserts



- One of the key features of the CRIMPFOX−M crimping pliers is the way the crimp inserts can be quickly replaced without the need for tools
- The variety of inserts makes it a space-saving universal tool for all crimping applications
- Suitable for one and two-hand operation. Contacts up to 50 mm² are also processed easily, with minimum effort

Notes:

For more crimping dies for ferrules, cable lugs, slip-on sleeves, turned contacts, coaxial, RJ45, and RJ11 connectors, visit phoenixcontact.net/products



Basic pliers

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Basic pliers, for accommodating dies for various contact types, unlockable pressure lock, lateral entry	**CRIMPFOX-M**	1212072	1
Crimping pliers set, consisting of CRIMPFOX-M and dies 1212074, 1212079, 1212080, 1212081	**CRIMPFOX-M SET**	1212093	1

Dies for the CRIMPFOX-M universal pliers

A wide variety of interchangeable crimp dies enables use in all areas of application, with just one crimping tool, the CRIMPFOX-M.

– Die upper and lower parts are connected securely to each other and can therefore not be swapped
– Delivery is in an alignable storage box

Notes:

For more crimping dies for ferrules, cable lugs, slip-on sleeves, turned contacts, coaxial, RJ45, and RJ11 connectors, visit phoenixcontact.net/products



Dies for CRIMPFOX-M

EAC

Description	Color	Type	Order No.	Pcs./Pkt.
			Ordering data	
Die, for MC3 solar connectors				
Lateral entry, 2.5 - 6 mm²		**CRIMPFOX-M SR 6-1/DIE**	1212471	1
For MC4 solar connectors, lateral entry, 2.5 - 6 mm²		**CRIMPFOX-M SR 6-2/DIE**	1212472	1
For SOLARLOK solar connectors, lateral entry, 2.5 - 6 mm²		**CRIMPFOX-M SR 6-3/DIE**	1212473	1
Die, for ferrules				
For 0.25 - 10 mm²	black	**CRIMPFOX-M 10/DIE**	1212080	1
For 16 – 25 mm²	black	**CRIMPFOX-M 25/DIE**	1212081	1
For 35 – 50 mm²	black	**CRIMPFOX-M 50/DIE**	1212082	1
Die, for insulated cable lugs				
For 0.5 – 1.5 mm² and 1.5 – 2.5 mm²	black	**CRIMPFOX-M RCI 2,5/DIE**	1212074	1
For insulated cable lugs, 0.1 - 0.4 mm² and 4 - 6 mm²	black	**CRIMPFOX-M RCI 6/DIE**	1212073	1
Die, for uninsulated cable lugs				
For 0.75 - 2.5 mm²	black	**CRIMPFOX-M RC 2,5/DIE**	1212078	1
For 0.5 - 6 mm²	black	**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	black	**CRIMPFOX-M RC 10/DIE**	1212077	1
Die, for uninsulated slip-on sleeves				
For 0.1 - 1 mm²	black	**CRIMPFOX-M SC 1/DIE**	1212083	1
For 0.5 – 2.5 mm²	black	**CRIMPFOX-M SC 2,5/DIE**	1212084	1
For 0.5 – 6 mm²	black	**CRIMPFOX-M SC 6/DIE**	1212085	1
with wide, flat crimp for 0.5 - 6 mm²		**CRIMPFOX-M SC 6-FL/DIE**	1212741	1
for angled slip-on sleeves, for 6.3 mm, 1.0 - 2.5 mm²		**CRIMPFOX-M SCA 2,5/DIE**	1212742	1
for angled slip-on sleeves, for 8 mm, 1.0 - 2.5 mm²		**CRIMPFOX-M SCA 2,5-1/DIE**	1212743	1
Die, for turned pin and socket contacts				
CK2,5-ED..., CK4,0-ED..., cross section 0.5 - 4 mm²	black	**CRIMPFOX-M TC 4/DIE**	1212075	1
CK4,0-ED..., cross section 6 – 10 mm²	black	**CRIMPFOX-M TC 10/DIE**	1212076	1
Die, for RG 174, RG 179, BNC, TNC coaxial connectors				
For RG 174, RG 179, BNC, TN	black	**CRIMPFOX-M CX-1/DIE**	1212087	1
For RG 58, RG 59, RG 62, RG 71, BNC, TNC	black	**CRIMPFOX-M CX-2/DIE**	1212088	1
For CATV RG 6,59	black	**CRIMPFOX-M CX-3/DIE**	1212089	1
for BNC, TNC, RG6, 1.73, 6.48, 8.23 mm		**CRIMPFOX-M CX-4/DIE**	1212745	1
for BNC, TNC, 0.70, 3.25, 3.85 mm		**CRIMPFOX-M CX-5/DIE**	1212746	1
for BNC, TNC, 1.07, 6.48, 8.23 mm		**CRIMPFOX-M CX-6/DIE**	1212747	1
for BNC, TNC, 1.72, 5.41 mm		**CRIMPFOX-M CX-7/DIE**	1212748	1
for CATV RG 6.59 1.72, 8.23 mm		**CRIMPFOX-M CX-8/DIE**	1212749	1
Die,				
For unshielded RJ45 connectors	black	**CRIMPFOX-M RJ45/DIE**	1212090	1
For unshielded RJ11 connectors	black	**CRIMPFOX-M RJ11/DIE**	1212091	1
Die, for shrink connectors, 0.5 -1.5 mm² red and 1.5 - 2.5 mm² blue	black	**CRIMPFOX-M HS/DIE**	1219092	1
Die, for shrink connectors, 0.1 – 0.4 mm² green and 4 – 6 mm² yellow		**CRIMPFOX-M HS-1/DIE**	1212282	1

CRIMPFOX universal pliers for accommodating various dies for data connectors

– One of the key features of the CRIMPFOX−C D crimping pliers is the way the crimp inserts can be quickly replaced without the need for tools
– A space-saving, universal tool for processing data connectors



Basic pliers



Dies for CRIMPFOX-C D

Description	Color	Ordering data: Type	Ordering data: Order No.	Ordering data: Pcs./Pkt.	Ordering data: Type	Ordering data: Order No.	Ordering data: Pcs./Pkt.
Basic pliers, for accommodating dies for various contact types, unlockable pressure lock, lateral entry	black	**CRIMPFOX-C D**	1212734	1			
Die, for unshielded RJ11 connectors					**CRIMPFOX-C RJ11/DIE**	1212735	1
Die, for unshielded RJ22 connectors					**CRIMPFOX-C RJ22/DIE**	1212736	1
Die, for unshielded RJ45 connectors					**CRIMPFOX-C RJ45/DIE**	1212737	1
Die, for unshielded RJ45 connectors, universal					**CRIMPFOX-C RJ45U/DIE**	1212738	1
Die, 10-pos.					**CRIMPFOX-C 10P/DIE**	1212739	1
Die, for DEC MML connectors					**CRIMPFOX-C MMJ/DIE**	1212740	1

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 bladed screwdriver

Description	Ordering data		
	Type	**Order No.**	Pcs./Pkt.
Screwdriver, for slotted-head screws, with VDE approval			
Blade: 0.4 x 2.5 x 80 mm, length: 161 mm	**SZS 0,4X2,5 VDE**	1205037	10
Blade: 0.5 x 3.0 x 100 mm, length: 181 mm	**SZS 0,5X3,0 VDE**	1207404	10
Blade: 0.6 x 2.5 x 80 mm, length: 161 mm	**SZS 0,6X2,5 VDE**	1205040	10
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	**SZS 0,6X3,5 VDE**	1212602	10
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm	**SZS 0,8X4,0 VDE**	1212508	10
Blade: 1.0 x 4.0 x 100 mm, length: 198 mm	**SZS 1,0X4,0 VDE**	1205066	10
Blade: 1.0 x 5.5 x 125 mm, length: 223 mm	**SZS 1,0X5,5 VDE**	1209114	10
Blade: 1.0 x 6.5 x 150 mm, length: 248 mm	**SZS 1,0X6,5 VDE**	1205079	10
Blade: 1.2 x 8.0 x 175 mm, length: 287 mm	**SZS 1,2X8,0 VDE**	1205082	10
Screwdriver, two-component handle, with non-slip grip, for slotted-head screws Blade: 0.4 x 2.0 x 60 mm, length: 130 mm			
Blade: 0.4 x 2.5 x 75 mm, length: 145 mm			
Blade: 0.4 x 3.0 x 80 mm, length: 161 mm			
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm			
Blade: 0.6 x 3.5 x 200 mm, length: 281 mm			
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm			
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm			
Blade: 1.2 x 6.5 x 150 mm, length: 255 mm			
Screwdriver, two-component handle, with non-slip grip, with impact cap, with hexagon wrench aid for open-end wrench and ring wrench, for slotted-head screws			
Blade: 1.2 x 7 x 125 mm, length: 230 mm			
Blade: 1.6 x 10 x 175 mm, length: 287 mm			



Bladed screwdriver, non-insulated

Ordering data

Type	Order No.	Pcs./Pkt.
SF-SL 0,4X2,0-60	1212546	10
SF-SL 0,4X2,5-75	1212547	10
SF-SL 0,5X3,0-80	1212548	10
SF-SL 0,6X3,5-100	1212549	10
SF-SL 0,6X3,5-200	1212550	10
SF-SL 0,8X4,0-100	1212551	10
SF-SL 1,0X5,5-150	1212552	10
SF-SL 1,2X6,5-150	1212553	10
SF-SLIC 1,2X7,0-125	1212554	10
SF-SLIC 1,6X10-175	1212555	10

SCREWFOX screwdrivers for Phillips and slotted-head screws



- Screwdriver for Phillips screws, with Pozidriv® and Phillips Recess® screw head
- VDE approval
- The SZG... screwdrivers have been specially designed for driving in test socket screws safely and without slipping
- The hexagon head of the handle prevents it rolling away
- The micro-textured blade prevents slipping out of the screw

Notes:

Pozidriv®/Supadriv®,
trademarks of European Ind. Serv. Ltd.
Phillips Recess®,
trademarks of Phillips Screw Company



VDE crosshead screwdrivers with Pozidriv® and Phillips-Recess® drive

EAC

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			
Screwdrivers, 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			
Screwdrivers, 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			





Crosshead screwdrivers with Pozidriv® and Phillips Recess® drive, uninsulated



VDE screwdriver with plus-minus drive



VDE screwdriver with staggered blade for test socket screws

Ordering data

Type	Order No.	Pcs./Pkt.
SF-PZ 0-60	1212562	10
SF-PZ 1-80	1212563	10
SF-PZ 2-100	1212564	10
SF-PZ 3-150	1212565	10
SF-PH 0-60	1212558	10
SF-PH 1-80	1212559	10
SF-PH 2-100	1212560	10
SF-PH 3-150	1212561	10

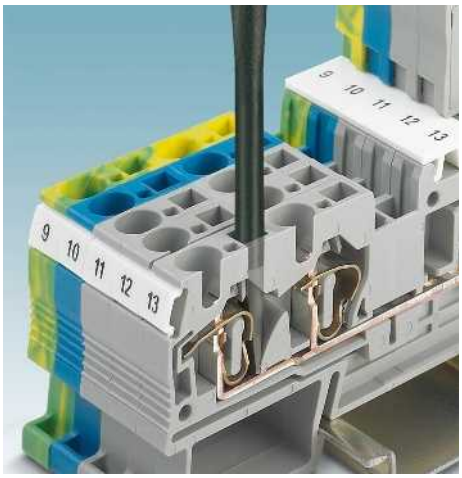
Ordering data

Type	Order No.	Pcs./Pkt.
SF-PZSL 1-80 VDE	1212556	10
SF-PZSL 2-100 VDE	1212557	10
SF-PHSL 1-80 VDE	1212283	10
SF-PHSL 2-100 VDE	1212288	10

Ordering data

Type	Order No.	Pcs./Pkt.
SZG 0,6X3,5 VDE	1205121	10
SZG 0,9X6,5 VDE	1205134	10

SCREWFOX screwdrivers for Phillips and slotted-head screws with integrated protective insulation



– In addition to catering for standard applications, SF−SL ... screwdrivers are particularly suited to the assembly of terminal blocks
– VDE-tested, for maximum safety
– Because the insulation runs into the shaft, there is no protruding edge



VDE bladed screwdrivers with integrated insulation

Description	Type	Order No.	Pcs./Pkt.
		Ordering data	
Screwdriver/actuation tool, for slotted-head screws/spring-cage terminal blocks, protective insulation integrated into the shaft, two-component handle, with non-slip grip, VDE-insulated			
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	**SF-SL 0,6X3,5-100 S-VDE**	1212587	10
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm	**SF-SL 0,8X4,0-100 S-VDE**	1212588	10
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm	**SF-SL 1,0X5,5-125 S-VDE**	1212589	10
Screwdriver, protective insulation integrated into shaft, insulated according to VDE Size: PZ1 x 80 mm Size: PZ2 x 100 mm			
Screwdriver, protective insulation integrated into shaft, insulated according to VDE Size: PH1 x 80 mm Size: PH2 x 100 mm			
Screwdriver, protective insulation integrated into shaft, insulated according to VDE Size: Pozidriv® - bladed (plus-minus) PZ1 x 80 mm Size: Pozidriv® - bladed (plus-minus) PZ2 x 100 mm			
Screwdriver, protective insulation integrated into shaft, insulated according to VDE Size: Phillips-Recess® - bladed (plus-minus) PH1 x 80 mm Size: Phillips-Recess® - bladed (plus-minus) PH2 x 100 mm			
Screwdriver set, protective insulation integrated in the shaft, slotted/crosshead Phillips/combined profile, Pozidriv® + slotted (plus/minus), VDE-insulated, 7-part, incl. wall bracket, set contains the following items: 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH1 x 80; PH2 x 100; PZ1 x 80; PZ2 x 100			







VDE screwdrivers with Pozidriv® or Phillips-Recess®drive, with integrated insulation





VDE screwdrivers with plus-minus drive, with integrated insulation



VDE screwdrivers with various drives and integrated insulation

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 PT, ST, and QTC terminal blocks



- In addition to their standard application, these screwdrivers are particularly suited to actuating terminal blocks from the PT …, ST ..., and QTC … series
- The defined blade angle opens the spring terminal block as far as possible without leaving any damage
- The ST-BW ... curved versions are ideal for use in narrow areas.



Bladed screwdriver and actuation tool for PT, ST, and QTC terminal blocks, uninsulated

EAC

Description	Type	Order No.	Pcs./Pkt.
		Ordering data	
Screwdriver/actuation tool, uninsulated, for slotted-head screws, PT, ST, and QTC terminal blocks			
Blade: 0.4 x 2.5 x 75 mm, length: 156 mm	**SZF 0-0,4X2,5**	1204504	10
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	**SZF 1-0,6X3,5**	1204517	10
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm	**SZF 2-0,8X4,0**	1204520	10
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm	**SZF 3-1,0X5,5**	1206612	10
Screwdriver/actuation tool, insulated, for slotted-head screws and all PT, ST, and QTC terminal blocks, 2.5 mm^2 and 4 mm^2 Blade: 0.6 x 3.5 x 100 mm, length: 181 mm			
Actuation tool, insulated, for all PT, ST, and QTC terminal blocks, 2.5 mm^2 and 4 mm^2 Blade: 0.6 x 3.5 mm			
Actuation tool, insulated, for all PT and ST terminal blocks, 1.5 mm^2 Blade: 0.4 x 2.5 mm			



new



Bladed screwdriver and actuation tool for PT, ST, and QTC terminal blocks, insulated

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SZS 0.6X3.5	1205053	10



Actuation tool for PT and ST terminal blocks, insulated

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
ST-BW	1207608	10



Actuation tool for PT and ST terminal blocks, insulated

Ordering data

Type	Order No.	Pcs./Pkt.
ST-BW 0	1200135	10

SCREWFOX screwdriver for Torx® screws

– VDE-tested, for maximum safety
– Optimum edge geometries increase the bearing surface and prevent the screw from being over-tightened

new



VDE screwdriver for Torx® screws

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Screwdriver, for Torx® screws			
Size: TX 8 x 80 mm	**SF-TX 8X80 VDE**	1200155	1
Size: TX 10 x 80 mm	**SF-TX 10X80 VDE**	1200156	1
Size: TX 15 x 80 mm	**SF-TX 15X80 VDE**	1200157	1
Size: TX 20 x 80 mm	**SF-TX 20X80 VDE**	1200158	1
Size: TX 20 x 100 mm			
Size: TX 25 x 100 mm	**SF-TX 25X100 VDE**	1200159	1
Size: TX 30 x 100 mm	**SF-TX 30X100 VDE**	1200160	1
Size: TX 30 x 115 mm			

new



Screwdriver for Torx® screws and Torx® safety screws, uninsulated

Ordering data		
Type	Order No.	Pcs./Pkt.
SF-TXH 8X60	1200148	1
SF-TXH 10X80	1200149	1
SF-TXH 15X80	1200150	1
SF-TXH 20X100	1200151	1
SF-TXH 25X100	1200152	1
SF-TXH 30X115	1200153	1

SCREWFOX single-position voltage tester



Single-position voltage tester

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Voltage tester, single-position, for 150 - 250 V, conforms to DIN 57680/6 and VDE 0680/6, can also be used as an actuation tool for spring-cage terminal blocks, VDE insulated, with non-slip grip, size: 0.5 x 3.0 x 70 mm	**SF-VT VDE**	1212598	10

SCREWFOX torque screwdriver



- Torque screwdriver with hexagonal fast connection holder
- High-precision, infinitely adjustable torque screwdriver, in accordance with EN ISO 6789
- Optimum readability of the adjusted torques on the scale on the shaft
- Unlimited release torque
- TSD-M ... torque screwdrivers are adjustable from 0.3 - 6.0 Nm



Torque screwdriver, 0.3 - 6.0 Nm, adjustable

EAC

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Torque screwdriver				
Adjustable from 0.3 - 1.2 Nm	black	**TSD-M 1,2NM**	1212224	1
Adjustable from 1.2 - 3 Nm	black	**TSD-M 3NM**	1212225	1
Adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1

Accessories

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, accommodates SAC nuts for 4 mm hexagonal screwdrivers	**TSD-M SAC-BIT ADAPTER**	1212600	1
Universal bit holder, E6,3-1/4" drive, with automatic locking, one-hand operation, magnetic, for bits according to DIN 3126 C 6.3 and E 6.3	**SF-UBH**	1212590	1



SCREWFOX cordless screwdriver





Battery screwdriver with torque adjustment, 21-degrees

- Cordless screwdriver with two-speed gearbox, forward/reverse running and 21-stage clutch with drilling stage of up to 600 rpm
- 6.3 mm hexagonal quick connection drill chuck
- Integrated LEDs are used to illuminate the working area
- With optional snap-on protective cap to prevent unintentional torque adjustment
- High torque accuracy through electronic disconnecting coupling
- Ergonomic, non-slip handle design

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Cordless screwdriver, 3.6 V, incl. rechargeable battery, 1.5 Ah	**SF-ASD 21**	1212532	1
Cordless screwdriver set, incl. two batteries and charger, 230 V, packaged in a robust aluminum case	**SF-ASD 21 SET 230V**	1212530	1

Accessories

Replacement charger, for SF–ASD 21 cordless screwdriver, 230 V	**SF-ASD 21/CHARGER 230V**	1212535	1
Replacement battery, for SF-ASD 21, Li-ion 3.6 V, 1.5 Ah	**SF-ASD 21/ACCU 1,5 AH**	1212533	1



SCREWFOX bit hand holder



The SF-M BH bit hand holder is equipped with ergonomic 2-component handles. This enables fatigue-free working, while transmitting maximum power and thereby enabling a secure hold.

– The hexagon head of the handle prevents it rolling away
– Single-handed bit change, thanks to special locking mechanism
– With magnet
– The freewheeling housing of the bit holder enables the tool to go right to the tip during the screw procedure



Bit screwdriver

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
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				
Bit screwdriver	black	**SF-M BH**	1212070	1

SCREWFOX universal bit holder

The SF-UBH universal bit holder enables secure, free-of-play insertion of 1/4" bits (C6.3/E6.3) as well as quick bit change.

– Single-handed bit change, thanks to special locking mechanism
– With magnet
– The freewheeling housing of the bit holder enables the tool to go right to the tip during the screw procedure



Universal bit holder

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

SCREWFOX tool inserts for cordless screwdriver and bit holder

– Tools in different versions for SF–ASD 21 cordless screwdriver and bit holder
– Optimum edge geometries increase the bearing surface and prevent the screws from being over-tightened

Notes:

Pozidriv®/Supadriv®,
trademarks of European Ind. Serv. Ltd.
Phillips Recess®,
trademark of Phillips Screw Company
Torx®,
trademark of Acument Intellectual Properties, LLC, Troy, Mich.,US



Screw bit, slotted



Screw bit, PH and PZ cross-recessed

Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.	Ordering data: Type	Order No.	Pcs./Pkt.
Screw bit, slotted, E6.3-1/4" drive, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173							
Size: 0.45 x 2.4 x 70 mm		**SF-BIT-SL 0,45X2,4-70**	1212607	5			
Size: 0.5 x 3.0 x 50 mm	silver	**SF-BIT-SL 0,5X3,0-50**	1212566	5			
Size: 0.5 x 3.0 x 70 mm	silver	**SF-BIT-SL 0,5X3,0-70**	1212567	5			
Size: 0.6 x 3.5 x 50 mm	silver	**SF-BIT-SL 0,6X3,5-50**	1212568	5			
Size: 0.6 x 3.5 x 70 mm	silver	**SF-BIT-SL 0,6X3,5-70**	1212569	5			
Size: 0.8 x 4.0 x 50 mm	silver	**SF-BIT-SL 0,8X4,0-50**	1212571	5			
Size: 0.8 x 4.0 x 70 mm	silver	**SF-BIT-SL 0,8X4,0-70**	1212572	5			
Size: 1.0 X 4.0 x 70 mm	silver	**SF-BIT-SL 1,0X4,0-70**	1212754	5			
Size: 1.0 x 5.5 x 50 mm	silver	**SF-BIT-SL 1,0X5,5-50**	1212574	5			
Size: 1.0 x 5.5 x 70 mm	silver	**SF-BIT-SL 1,0X5,5-70**	1212575	5			
Size: 1.2 x 6.5 x 70 mm	silver	**SF-BIT-SL 1,2X6,5-70**	1212577	5			
Screw bit, PH cross, E6.3-1/4" drive, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173							
Size: PH 1 x 50 mm	silver				**SF-BIT-PH 1-50**	1212579	5
Size: PH 2 x 50 mm	silver				**SF-BIT-PH 2-50**	1212580	5
Size: PH 3 x 50 mm	silver				**SF-BIT-PH 3-50**	1212581	5
Size: PH 1 x 70 mm	silver				**SF-BIT-PH 1-70**	1212582	5
Size: PH 2 x 70 mm	silver				**SF-BIT-PH 2-70**	1212583	5
Size: PH 3 x 70 mm	silver				**SF-BIT-PH 3-70**	1212584	5
Screw bit, PZ cross, E6.3-1/4" drive, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173							
Size: PZ 1 x 50 mm	silver				**SF-BIT-PZ 1-50**	1212591	5
Size: PZ 2 x 50 mm	silver				**SF-BIT-PZ 2-50**	1212592	5
Size: PZ 3 x 50 mm	silver				**SF-BIT-PZ 3-50**	1212593	5
Size: PZ 1 x 70 mm	silver				**SF-BIT-PZ 1-70**	1212594	5
Size: PZ 2 x 70 mm	silver				**SF-BIT-PZ 2-70**	1212595	5
Size: PZ 3 x 70 mm	silver				**SF-BIT-PZ 3-70**	1212596	5
Screw bit, PZ/slotted plus/minus, E6.3-1/4" drive, hardened, suitable for holder 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, 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						
Size: TX 10 x 50 mm	silver						
Size: TX 15 x 50 mm	silver						
Size: TX 20 x 50 mm	silver						
Size: TX 25 x 50 mm	silver						
Size: TX 30 x 50 mm	silver						
Size: TX 40 x 50 mm	silver						
Screw bit, hexagonal, E6.3-1/4" drive, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173							
Size: hex 2.5 x 50 mm	silver						
Screw bit, size: hex 3 x 50 mm	silver						
Size: hex 4 x 50 mm	silver						
Size: hex 5 x 50 mm	silver						
Size: hex 6 x 50 mm	silver						
Size: hex 8 x 50 mm	silver						
Screw bit, slotted, graduated, E6.3-1/4" drive, for test socket screws, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173							
Size: 0.6 x 3.5 x 50 mm	silver	**SF-BIT-SLS 0,6X3,5-50**	1212605	5			
Size: 0.9 x 6.5 x 50 mm	silver	**SF-BIT-SLS 0,9X6,5-50**	1212606	5			





Screw bit, plus/minus





Screw bit, Torx®





Screw bit, hex

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

Ordering data

Type	Order No.	Pcs./Pkt.
SF-BIT-TX 8-50	1212570	5
SF-BIT-TX 10-50	1212573	5
SF-BIT-TX 15-50	1212576	5
SF-BIT-TX 20-50	1212578	5
SF-BIT-TX 25-50	1212585	5
SF-BIT-TX 30-50	1212586	5
SF-BIT-TX 40-50	1200161	5

Ordering data

Type	Order No.	Pcs./Pkt.
SF-BIT-HEX 2,5-50	1212646	5
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
SF-BIT-HEX 5-50	1212649	5
SF-BIT-HEX 6-50	1212650	5
SF-BIT-HEX 8-50	1212651	5

SCREWFOX screwdriver tools





Hexagon insert bit, wrench size of 5.5 / 8 / 13 mm

SHN ...

– Ergonomically designed two-component grip for fatigue-proof and non-slip use

SF-THEX ...

– Ergonomically designed handles ensure an optimum grip. They help avoid fatigue when working
– The hardened blades are designed for durability
– Optimum edge geometries increase the bearing surface and prevent the screws from being over-tightened

The hexagonal and Torx® L-keys are aligned in a practical bracket, that enables secure storage and quick removal.

– The matt chrome and phosphate-coated surfaces provide high corrosion protection
– With ball head on long limbs, working on hard to access areas is possible
– Optimum edge geometries increase the plant surfaces and protect the screws. As a result, higher torques can be applied

	Ordering data		
Description	Type	Order No.	Pcs./Pkt.
Socket wrench, for hexagon screws/nuts, with hollow shaft			
Wrench size of 5.5 mm	**SHN 5.5**	1209855	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 screw set, for Allen screws, 9-piece, 1.5 to 10.0 mm, matt chrome, with spherical head, including bracket			
L-key set, Torx®, TX 8, 9, 10, 15, 20, 25; 27, 30, 40 mm, phosphate coated, with spherical head as of TX 15, including bracket			



new



Allen screw, wrench size 2 - 10 mm



Allen screw set, wrench size 1.5 - 10 mm



Torx® -SET, TX 8 - 40

Ordering data

Type	Order No.	Pcs./Pkt.
SF-THEX 2-100	1212637	1
SF-THEX 2,5-100	1212638	1
SF-THEX 3-100	1212639	1
SF-THEX 4-150	1212640	1
SF-THEX 5-150	1212641	5
SF-THEX 6-200	1212642	1
SF-THEX 8-200	1212643	1
SF-THEX 10-200	1212644	1

Ordering data

Type	Order No.	Pcs./Pkt.
SF-LHEX SET	1212544	1

Ordering data

Type	Order No.	Pcs./Pkt.
SF-LTX SET	1200162	1

SCREWFOX torque screwdriver



- TSD ... SAC torque screwdrivers with a range of preset torques from 0.2 Nm to 2.5 Nm
- A wide variety of SAC ... nuts for all kinds of applications
- For the TSD-M... torque screwdrivers the torque can be set individually
- The TSD-M... adapters can accommodate the various nuts



Torque screwdriver

EAC

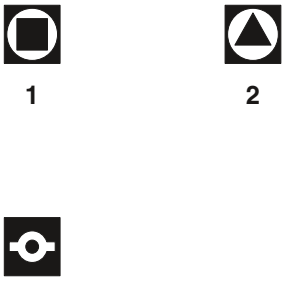
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Torque screwdriver				
With preset torque of 0.2 Nm and 4 mm hexagonal drive	black	**TSD 02 SAC**	1208487	1
With preset torque of 0.4 Nm and 4 mm hexagonal drive	black	**TSD 04 SAC**	1208429	1
With a preset torque of 0.8 Nm and a 4 mm hexagonal drive	black	**TSD 08 SAC**	1212597	1
With a preset torque of 2.0 Nm and 4 mm hexagonal drive	black	**TSD 20 SAC**	1212020	1
With a preset torque of 2.5 Nm and 4 mm hexagonal drive	black	**TSD 25 SAC**	1212315	1
Torque screwdriver				
Adjustable from 0.3 - 1.2 Nm	black	**TSD-M 1,2NM**	1212224	1
Adjustable from 1.2 - 3 Nm	black	**TSD-M 3NM**	1212225	1
Adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Adapter insert, for torque screwdrivers with adjustable torque, accommodates SAC nuts for 4 mm hexagonal screwdrivers	silver	**TSD-M SAC-BIT ADAPTER**	1212600	1

Accessories

Nut			
assembles sensor/actuator cables with M8 connectors and M8 connectors with insulation displacement connection, for TSD 02 SAC, for 0.2 Nm	**SAC BIT M8-D10**	1208461	1
assembles SACC M8 connectors for assembly with longitudinal knurl, excluding those with insulation displacement connection, for TSD 02 SAC, for 0.2 Nm	**SACC BIT M8-D12**	1208474	1
assembles sensor/actuator cables with M12 connectors and M12 connectors with insulation displacement connection, for TSD 04 SAC, for 0.4 Nm	**SAC BIT M12-D15**	1208432	1
assembles sensor/actuator cables with M12 connectors and M12 connectors with insulation displacement connection, diameter 16 mm, for 0.4 Nm	**SAC BIT M12-D16**	1200305	1
assembles SACC M12 connectors for assembly, excluding those with insulation displacement connection, for TSD 04 SAC, for 0.4 Nm and 0.8 Nm	**SACC BIT M12-D20**	1208445	1
assembles M12 connector with hexagonal stainless steel knurls, wrench size 14, for TSD 04 SAC, for 0.4 Nm	**SAC BIT M12-W14**	1212513	1
for assembly of 7/8" connectors, for TSD 08 SAC, for 0.8 Nm	**SAC BIT MIN-D25**	1212512	1
for secure tightening of the pressure nuts with 13 mm wrench size, for TSD 20 SAC, for 0.8 Nm, and 2.0 Nm	**SAC BIT QUICKON-W13**	1212033	1
for secure tightening of the pressure nuts with 24 mm wrench size, for TSD 25 SAC, for 2.5 Nm	**SAC BIT HOOD-W 24**	1212486	1

SCREWFOX universal control cabinet key



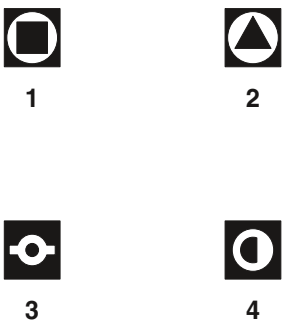


Four-way closure

– Universal control cabinet key with the following closures:
1 = 5, 6, 7-8 mm, square
2 = 7-8 mm, triangle
3 = 3-5 mm, two-way key bit

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Control cabinet key, metal, for all common types of control cabinet	USS 4	1203149	1

SCREWFOX universal control cabinet key





Control cabinet key, 9 closures

– **Universal control cabinet key,** with strong chain and snap hook, for the following closures:
1 = 5, 6, 7 - 8, 9 - 10 mm square
2 = 7, 8 - 9, 10 - 11 mm triangle
3 = 3-5 mm two-way key bit
4 = 6 mm semicircle

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Control cabinet key, metal, for all common types of control cabinet	SF-CCK 9	1212525	1

Tool boxes with sockets

new

- Solid 1/4" screw set with comprehensive equipment
- Made from chrome vanadium steel for a long service life
- With right/left switching
- Ratcheting mechanism with 48 teeth enabling precise working, even in tight work environments
- With ball locking device, for secure hold of sockets and attachments
- Optimum power transmission, without damaging the screw head, thanks to special edge geometries
- Robust case for safe storage



Socket tray, 47-part

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Socket tray 1/4", 47-part, 1/4" reversible ratchet, 48 teeth with fast locking system, 1/4" extensions 50 mm and 100 mm, 1/4" screwdriver grip, 1/4" flexible extension 150 mm, 1/4" cardan joint, 1/4" T-handle 2 x 1/4" bit adapter, 13 knurled 1/4" sockets SW 4 / 4,5 / 5 / 5,5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 mm, 21 knurled socket bits: 6 x Torx® T10, T15, T20, T25, T30, T40, 6 x Hex 3, 4, 5, 6, 7, 8 mm, 3 x Phillips recess® PH1, PH2, PH3, 3 x Pozidriv® PZ1, PZ2, PZ3, 3 x slot 4, 5,5, 7 mm, angle pin spanner, Hex 1,27, 1,5, 2, 2,5 mm, breakage and impact resistant plastic case with metal closing flap	**SF-SOCKET SET 47**	1200292	1

Measuring tape

new

- Robust and versatile use
- Easy internal and external measurements, thanks to the movable, magnetic hooks
- With automatic tape feed and locking mechanism
- Abrasion resistant, easily-read scale
- With belt clip
- Available in metric and inch/metric version



Measuring tape: 5 m

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Measuring tape, 5 m			
	MEASURING TAPE 5M	1200298	1
With inch/metric measuring rail	**MEASURING TAPE 5M I/M**	1200304	1

TESTFOX voltage and continuity tester



- DC and AC voltage tests in the range from 12 V to 1000 V AC/1000 V DC
- Acoustic and optical continuity test
- Vibration alarm for safe voltage detection
- Shock-proof housing that is protected against dust and splash water, IP65



Voltage tester

Technical data

General data		
Voltage range	[V DC]	12 ... 1000
Voltage range	[V AC]	12 ... 1000

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Voltage tester	DUSPOL EXPERT	1209091	1

TESTFOX, digital current probe multimeter

- The current probes can be used for voltages of up to 600 V, category III
- They combine the functions of a digital multimeter with those of a current probe
- Contained within a compact and practical housing, so ideal for use in cramped conditions
- All measuring ranges are protected against overload



For AC current



For DC and AC current

Technical data

General data	
Display scope	2000 digits
Accuracy of display	1.0 %
AC voltage measuring range	0.1 V ... 600 V
DC voltage measuring range	0.1 V ... 600 V
AC current measuring range	0.1 A ... 400 A
DC current measuring range	- ... -
Resistance measuring range	0.1 Ω ... 20 MΩ
Continuity test range	Acoustic (20 Ω)
Degree of protection	IP30
Measuring category	CAT III 600 V
Power supply	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE 0411

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Current pliers/multimeter	TESTFOX CC	1212210	1

Technical data

General data	
Display scope	4000 digits
Accuracy of display	0.5 %
AC voltage measuring range	0.1 mV ... 600 V
DC voltage measuring range	0.1 mV ... 600 V
AC current measuring range	10 mA ... 300 A
DC current measuring range	10 mA ... 300 A
Resistance measuring range	0.1 Ω ... 40 MΩ
Continuity test range	Acoustic (50 Ω)
Degree of protection	IP30
Measuring category	CAT III 300 V / CAT II 600 V
Power supply	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE 0411

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Current pliers/multimeter	TESTFOX CC-1	1212211	1

TESTFOX digital multimeter





Digital multimeter, with basic functions

- 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. Furthermore, it measures temperatures in the -20°C to +800°C range

High-level safety

- Phase voltages can be detected precisely thanks to the audible and red light signals
- The devices are used for voltages of up to 600 V category III or 1000 V category II
- They provide professional service technicians and operating engineers with a higher level of protection, thereby ensuring maximum safety during work

Safe cable breakage detection

- Cable breaks and defective lamps in exposed cable ends are followed from the supply side of the phase right through to the point of interruption

Technical data

General data	
Display scope	2000 digits
Accuracy of display	0.5 %
Volt sensor	yes
AC voltage measuring range	0.1 mV ... 750 V
DC voltage measuring range	0.1 mV ... 1000 V
AC current measuring range	- ... -
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
Power supply	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE 0411

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Digital multimeter			
	TESTFOX M	**1212208**	1
Digital multimeter			



Digital multimeter, with extended scope of functions

EAC

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 long-term use
– With permanently closeable business card pocket
– With various compartments and options for storing tools and materials
– For more sets, visit phoenixcontact.net/products



Tool set in a case



Tool set in a case

EAC

EAC

	Ordering data			Ordering data		
Description	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Tool case, equipped with one of each of the following tools: CRIMPFOX 6S-F ǀ WIREFOX 10 ǀ WIREFOX-D 40 ǀ CUTFOX 18 ǀ SZF 1-0,6X3,5 ǀ 5 m tape measure ǀ TOOL-KIT STANDARD EMPTY	**TOOL-KIT STANDARD**	1212422	1			
Tool kit, unequipped, with elastic straps to hold tools of different sizes in place	**TOOL-KIT STANDARD EMPTY**	1212423	1			
Tool case, equipped with one of each of the following tools: CUTFOX 18 ǀ WIREFOX 10 ǀ CRIMPFOX CENTRUS 6S ǀ AI SORTI BOX RD ǀ TOOL-KIT STANDARD EMPTY				**CRIMPFOX CENTRUS 6S SET**	1213999	1
Tool case, equipped with one of each of the following tools: CRIMPFOX-M ǀ CRIMPFOX-M SR 6-1/DIE ǀ CRIMPFOX-M SR 6-2/DIE ǀ CRIMPFOX-M SR 6-3/DIE ǀ WIREFOX-D SR 6 ǀ WIREFOX-D SR 6-1 CUTFOX 16 VDE ǀ SZK PH1 VDE ǀ SZK PH2 VDE ǀ SF-SL 0,6X3,5-100 S-VDE ǀ SF-SL 0,8X4,0-100 S-VDE TOOL-KIT STANDARD EMPTY						
Tool carry case wrap, equipped with one of each of the following tools: CUTFOX-S VDE ǀ CUTFOX 16 VDE ǀ UNIFOX-C VDE ǀ UNIFOX-P VDE ǀ SZS 0,4X2,5 ǀ SZS 0,5X3,0 ǀ SZS 1,0X4,0 ǀ SZS 1,0X6,5 ǀ SZK PH0 ǀ SZK PH1 ǀ SZK PH2 ǀ DUSPOL EXPERT ǀ TOOL-WRAP EMPTY						
Tool carry-on bag, unequipped						
Tool carry case wrap, equipped with one of each of the following tools: CUTFOX 18 ǀ WIREFOX 10 ǀ WIREFOX 16-1 ǀ WIREFOX-D 40 ǀ CRIMPFOX CENTRUS 6H ǀ SF-SL 0,6X3,5-100 S-VDE ǀ SF-SL 0,8X4,0-100 S-VDE ǀ SF-SL 1,0X5,5-125 S-VDE SF-PH 1-80 S-VDE ǀ SF-PH 2-100 S-VDE ǀ SF-PZSL 2-100 S-VDE ǀ TOOL-WRAP EMPTY						



Tool set in a case



Tool set in a carry case wrap



Tool set in a carry case wrap

Ordering data

Type	Order No.	Pcs./Pkt.
TOOL-KIT SOLAR	1212071	1

Ordering data

Type	Order No.	Pcs./Pkt.
TOOL-WRAP	1212505	1
TOOL-WRAP EMPTY	1212501	1

Ordering data

Type	Order No.	Pcs./Pkt.
TOOL-WRAP-2	1200100	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 long-term use
– With permanently closeable business card pocket
– With various compartments and options for storing tools and materials
– For more sets, visit phoenixcontact.net/products



Tool set in a belt pouch

	Ordering data		
Description	**Type**	**Order No.**	Pcs./Pkt.
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 Tape measure 5 m I DUSPOL EXPERT I TOOL-BELTPOUCH EMPTY	**TOOL-BELTPOUCH**	1212506	1
Tool belt pouch, unequipped	**TOOL-BELTPOUCH EMPTY**	1212502	1
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 DUSPOL EXPERT I USS 4 I Cutting knife I Tape measure 5 m I TOOL CARRIER EMPTY			
Tool bag, unequipped			
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, unequipped			



Tool set in a shoulder bag



Tool set in a bag with laptop and document compartments

Ordering data		
Type	Order No.	Pcs./Pkt.
TOOL-CARRIER	1212503	1
TOOL-CARRIER EMPTY	1212499	1

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



RJ45 tool set

EAC

Description	Ordering data		
	Type	**Order No.**	Pcs./Pkt.
Stripping, crimping and cutting set, consisting of: Cable cutter for copper and aluminum up to 12 mm Ø, stripping tool for stripping 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 type of contacts, Die, for CRIMPFOX–M, for unshielded RJ45 connectors	**TOOL DATA SET**	1208856	1
Cutting, stripping, and crimping set, comprising: cable cutter for copper and aluminum up to Ø 12 mm, stripping tool for cables and conductors with a cross section of 0.02 – 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, crimping pliers for ferrules measuring 0.14 – 10 mm²			
Stripping, crimping, and screwing set, comprising: screwdriver for slotted-head screws, Stripping tool for 0.02 – 10 mm² cables and conductors, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² 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			
Assortment box, made of metal, equipped with ferrules in accordance with DIN 46228–4: 1990–09, CSA-certified 500 pieces each of AI 0,25-6 YE, AI 0,34-6 TQ, AI 0,5-8 WH, AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK, 300 pieces of AI 2,5-8 BU, 200 pieces of AI 4-10 GY, 100 pieces of AI 6-12 YE as well as stripping tool for wires and conductors of up to 6 mm² Crimp pliers for ferrules in accordance with DIN 46228, Part 1+4, 0.5 – 6 mm², front insertion, trapezoidal crimp			
Assortment box, made of metal, equipped with ferrules in accordance with DIN 46228–4: 1990–09, CSA-certified 300 pieces of AI 10-12 RD, 200 pieces of AI 16-12 BU, 100 pieces of AI 25-16 YE as well as stripping tool, for stripping wires of 4.5 - 40 mm, Crimp pliers for ferrules in accordance with DIN 46228, Part 1+4, 10 - 25 mm², lateral insertion, WM crimp			
Assortment box, metal, no components mounted			



Ferrule tool set



Tool and ferrule set



Tool and ferrule set

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
TOOL SET ALLROUND 2	1208843	1

EAC

Ordering data

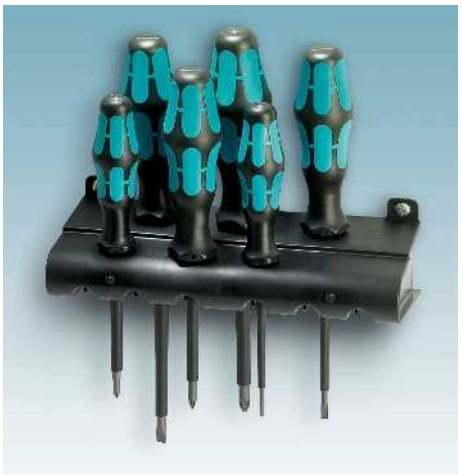
Type	Order No.	Pcs./Pkt.
TOOL-SET ALLROUND 3	1208953	1

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPSET 6	1202072	1
CRIMPSET 25	1202580	1
CRIMPSET 6/25 LEER	1204041	1

TOOL fox, screwdriver set



- The SF-...SET... screwdriver sets are available in different versions
- Including wall bracket holder for screwdrivers

Notes:

Pozidriv®/Supadriv®,
trademarks of European Ind. Serv. Ltd.
Phillips Recess®,
trademark of Phillips Screw Company
Torx®,
trademark of Acument Intellectual Properties, LLC, Troy, Mich.,US



Screwdriver sets

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Screwdriver set, slotted/Phillips Recess® 6-part, including wall bracket, contents: 0.5 x 3.0 x 80; 0.8 x 4.0 x 100; 1.0 x 5.5 x 150; 1.2 x 6.5 x 150, PH 1, PH 2	**SF-SL/PH SET**	1212541	1
Screwdriver set, slotted/Pozidriv® cross-recessed, 6-part, including wall bracket, contents: 0.5 x 3.0 x 80; 0.8 x 40 x 100; 1.0 x 5.5 x 150; 1.2 x 6.5 x 150, PZ 1, PZ 2	**SF-SL/PZ SET**	1212542	1
Screwdriver set, slotted/Pozidriv® cross-recessed, VDE-insulated, 6-part, including wall bracket, contents: 0.4 x 2.5 x 80; 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PZ 1, PZ 2	**SF-SL/PZ SET VDE**	1212540	1
Screwdriver set, slotted/Phillips Recess®, VDE-insulated, 6-part, including wall bracket, contents: 0.4 x 2.5 x 80; 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH 1, PH 2	**SF-SL/PH SET VDE**	1212539	1
Screwdriver set, protective insulation integrated in the shaft, slotted/crosshead Phillips/combined profile, Pozidriv® + slotted (plus/minus), VDE-insulated, 7-part, incl. wall bracket, set contains the following items: 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; PH1 x 80; PH2 x 100; PZ1 x 80; PZ2 x 100	**SF-SL/PH/PZ-SL SET S-VDE**	1212701	1
Screwdriver set, Torx® with bore hole, 6-part, including wall bracket, contents: TX 8 x 60; TX 10 x 80; TX 15 x 80; TX 20 x 100; TX 25 x 100; TX 30 x 115	**SF-TXH SET**	1212538	1
Screwdriver set, Torx®, VDE-insulated, 6-part, including wall bracket, contents: TX 8 x 80; TX 10 x 80; TX 15 x 80; TX 20 x 80; TX 25 x 100; TX 30 x 100	**SF-TX SET VDE**	1212537	1



TOOL fox, bit set





Bit set, 10-piece

- Bit set, in compact plastic box, with quick-change bit holder and the following 25 mm long bits: 0.8 x 5.5, 1.0 x 5.5, 1.2 x 6.5, PH1, PH2, PH3, PZ1, PZ2, PZ3
- Clearly arranged storage
- Bits can be accessed quickly thanks to convenient, one-handed opening mechanism
- Equipped with hardened bits for durability

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	1

TOOL fox, screwdriver set





Bit screwdriver set, 17-piece

- Bit screwdriver set, packed in a practical belt pouch
- Equipped with the most common types of screw bit

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Bit screwdriver set with quick-action chuck, 89 mm long slotted/crosshead (PZ and PH)/ Hex / Torx® bits, 17-part, in folding belt pouch, contents: PH 1,2,3 x 89; PZ 1,2,3 x 89; SL 1.5 x 5.5 x 89; TX 10-30 x 89; SW 3,4,5,6 x 89	**SF-M SET**	1212543	1
Bit screwdriver set with quick-action chuck, , 89 mm long slotted/crosshead/hex/Torx® bits, 17-piece, in folding belt pouch, contents: PH 1, 2, 3 x 89, SL 0.4 x 2.5, 0.6 x 3.5, 0.8 x 3.5, 1.0 x 5.5, 1.2 x 6.5 x 89, TX 10-30, SW 3, 4, 5 x 89	**SF-M SET 2**	1212756	1

CRIMPFOX pliers, laser marked according to customer specifications





– Customize your crimping tool!
– You can now use robust laser engraving to mark CRIMPFOX pliers
– Individual laser marking prevents your tools from being mixed up

Notes:

Matching accessories can be found in main catalog 3 or the product area on our website at phoenixcontact.net/products.

[1]) Tools with customer-specific laser marking can be ordered quickly and easily in the product area on our website at phoenixcontact.net/products.

The advantages of our CRIMPFOX tools:
– Consistently high crimping quality
– Unlockable pressure lock
– Marked die stations for precise processing of the relevant cross sections
– Easy work thanks to improved force transfer
– Ergonomically designed, non-slip handles

Description
Crimping pliers, for ferrules, according to DIN 46228-1-4 and UL 486F, five marked die stations, **laser marked according to customer specifications**[1])
Lateral insertion, 0.25 - 6.0 mm², unlockable pressure lock, trapezoidal crimp
Front insertion, 0.5 - 6 mm², square crimp
Crimping pliers, unlockable pressure lock, lateral entry, oval crimp, **laser marked according to customer specifications**[1])
For insulated cable lugs (light green, red), 0.14 - 1 mm², three marked die stations
For insulated cable lugs (red, blue), 0.5 - 2.5 mm², two marked die stations
Crimping pliers, for uninsulated cable lugs, three marked die stations, 0.34 - 2.5 mm², unlockable pressure lock, lateral entry, indent crimp, **laser marked according to customer specifications**[1])
Crimping pliers, for uninsulated slip-on sleeves 2.8/4.8/6.3 mm, three marked die stations, B-crimp, 0.1 - 1.5 mm², unlockable pressure lock, lateral entry, **laser marked according to customer specifications**[1])
Crimping pliers, for ferrules according to DIN 46228-1/-4 and UL 486F, self-adjusting die, trapezoidal crimp, 0.5 - 6 mm², unlockable pressure lock, **laser marked according to customer specifications**[1])
Front insertion
Lateral insertion
Crimping pliers, three marked die stations, 0.5 - 6 mm², oval crimp, unlockable pressure lock, lateral entry, **laser marked according to customer specifications**[1])
For insulated cable lugs, symmetrical (red, blue, yellow)
For insulated cable lugs, asymmetrical (red, blue, yellow)
Crimping pliers, for ferrules according to DIN 46228-1/-4 and UL 486F, unlockable pressure lock, lateral entry, **laser marked according to customer specifications**[1])
Three marked die stations, 10 - 25 mm²
Two marked die stations, 35 - 50 mm²

TOOLS FOR YOU



Laser marked according to customer specifications

TOOLS FOR YOU



Laser marked according to customer specifications

TOOLS FOR YOU



Laser marked according to customer specifications

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 6 CUS	1212767	1
CRIMPFOX 6S-F CUS	1212769	1
CRIMPFOX-RCI 1 CUS	1212772	1
CRIMPFOX-RCI 2,5 CUS	1212773	1
CRIMPFOX-RC 2,5 CUS	1212777	1
CRIMPFOX-SC 1,5 CUS	1212779	1

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX 6T-F CUS	1212771	1
CRIMPFOX 6T CUS	1212770	1

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RCI 6 CUS	1212774	1
CRIMPFOX-RCI 6-1 CUS	1212775	1
CRIMPFOX 25R CUS	1212765	1
CRIMPFOX 50R CUS	1212766	1

CRIMPFOX and WIREFOX pliers, laser marked according to customer specifications





– Customize your crimping and stripping tool!
– You can now use robust laser engraving to mark CRIMPFOX and WIREFOX pliers
– Individual laser marking prevents your tools from being mixed up

Notes:

Matching accessories can be found in main catalog 3 or the product area on our website at phoenixcontact.net/products.

[1]) Tools with customer-specific laser marking can be ordered quickly and easily in the product area on our website at phoenixcontact.net/products.

The advantages of our WIREFOX tools:
– The special spring mechanism helps you to work precisely and safely
– Ergonomically designed, non-slip handles
– The WIREFOX pliers automatically adjust to different insulations and conductor diameters
– Highly adjustable limit stop for the stripping length
– Practical integrated wire cutter
– Easily replaceable blade cassettes for different cross sections and insulation

Description
Crimping pliers, for uninsulated cable lugs, three marked die stations, indent crimp, unlockable pressure lock, lateral entry, **laser marked according to customer specifications**[1])
4 - 10 mm² 10 - 25 mm²
Crimping pliers, for uninsulated slip-on sleeves 2.8/4.8/6.3 mm, three marked die stations, 0.5 -6 mm², B-crimp, unlockable pressure lock, lateral entry, **laser marked according to customer specifications**[1])
Crimping pliers, for ferrules according to DIN 46228-1/-4 und UL 486F, unlockable pressure lock, lateral entry, **laser marked according to customer specifications**
Square crimp, 0.14 – 6 mm² Square crimp, 0.14 – 10 mm² HEX crimp, 0.14 – 6 mm² HEX crimp, 0.14 – 10 mm²
Stripping tool, self-adjusting, easily replaceable blade cassettes, stripping length of up to 18 mm, cutting capacity: up to 1.5 mm² solid, up to 10 mm² stranded, **laser marked according to customer specifications**[1])
For cables and conductors from 0.1 – 4 mm², specifically also intended for rubber and other kinds of special insulation For cables and conductors from 1.5 - 6 mm², specifically for short-circuit-proof cables and rubber insulation For standard cables and conductors from 0.02 - 10 mm² For standard cables and conductors from 4 - 16 mm²

TOOLS FOR YOU



Laser marked according to customer specifications

TOOLS FOR YOU



Laser marked according to customer specifications

TOOLS FOR YOU



Laser marked according to customer specifications

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-RC 10 CUS	1212776	1
CRIMPFOX-RC 25 CUS	1212778	1
CRIMPFOX-SC 6 CUS	1212780	1

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX CENTRUS 6S CUS	1213164	1
CRIMPFOX CENTRUS 10S CUS	1213174	1
CRIMPFOX CENTRUS 6H CUS	1213166	1
CRIMPFOX CENTRUS 10H CUS	1213176	1

Ordering data

Type	Order No.	Pcs./Pkt.
WIREFOX 4 CUS	1212762	1
WIREFOX 6SC CUS	1212763	1
WIREFOX 10 CUS	1212760	1
WIREFOX 16 CUS	1212761	1

CUS tool sets, equipped with tools according to customer requirements



You can put together your own CUS tool set according to your individual requirements
– Six different bags are available, designed for typical applications
– Products are configured and ordered with web code:

#0290

TOOLS FOR YOU



Tool case, lockable, with straps

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Toolbox, lockable, with adjustable strap, equipped with: cable cutter, diagonal cutter, micro cutter, stripping and sheath stripping tools, crimping tool set, combination, needle-nose, and water pump pliers, VDE bladed and Phillips screwdrivers, control cabinet key, voltage tester, ferrule box, blades, tape measure, continuity tester, marking tool, ring, open-end, and adjustable wrench set, T-handle hexagonal wrench, safety glasses, hammer, 47-piece ratchet socket wrench set, 1/4"	TOOL-CASE	1212629	1
Tool case, unequipped, lockable, with permanently closeable business card pocket, very comfortable to carry thanks to padded strap, with document compartment	TOOL-CASE EMPTY	1212628	1
Tool case, equipped with tools according to customer requirements	TOOL-CASE CUS	1200072	1

CUS tool sets, equipped with tools according to customer requirements

– Robust and heavy-duty tool bags for long-term use
– With permanently closeable business card pocket
– With various compartments and options for storing tools and materials
– Products are configured and ordered with web code:

#0290

TOOLS FOR YOU



Tool bag, with document and laptop compartments

TOOLS FOR YOU



Tool bag, with strap

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool bag, with adjustable strap, with document and laptop compartments, **equipped with tools according to customer requirements**	TOOL-BAG CUS	1200081	1
Tool bag, with strap, **equipped with tools according to customer requirements**	TOOL-CARRIER CUS	1200082	1

CUS tool sets, equipped with tools according to customer requirements



– Individual tool sets, with cutting, stripping, crimping, installation, and testing tools from the TOOL fox tool range
– Robust and heavy-duty tool bags
– Products are configured and ordered with web code:

#0290

TOOLS FOR YOU



Tool belt pouch

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool belt pouch, with two robust internal pockets, **equipped with tools according to customer requirements**	TOOL-BELTPOUCH CUS	1200084	1

CUS tool sets, equipped with tools according to customer requirements

– Products are configured and ordered with web code:

#0290

TOOLS FOR YOU



Tool case

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool case, with elastic straps to hold the tools in place, **equipped with tools according to customer requirements**	TOOL-KIT CUS	1200085	1

TOOLS FOR YOU



Wrap-up tool bag

Ordering data		
Type	Order No.	Pcs./Pkt.
TOOL-WRAP CUS	1200083	1

Tool case with customized marking



- A business card sized label is available for customization. This can be marked according to customer requirements
- Products are configured and ordered with web code:

#0290



Tool case, lockable, with strap

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool case, with permanently closable business card pocket, with US EMP (85.6 x 54) marking label marked according to customer requirements	TOOL-CASE EMPTY CUS	8191312	1

Tool bags with customized marking

- The tool bags impress with their hard-wearing materials and robust construction
- Products are configured and ordered with web code:

#0290



Tool bag, with document and laptop compartments

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool bag, with permanently closeable business card pocket, with US EMP (85.6 x 54) marking label, marked according to customer requirements	TOOL-BAG EMPTY CUS	8191308	1



Tool bag, with strap

Ordering data		
Type	Order No.	Pcs./Pkt.
TOOL-CARRIER EMPTY CUS	8191310	1

Tool belt pouch with customized marking



– The business card pocket can be permanently closed using the plastic rivets supplied as standard
– Products are configured and ordered with web code:

#0290



Tool belt pouch

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool belt pouch, with permanently closable business card pocket, with US EMP (85.6 x 54) marking label marked according to customer requirements	TOOL-BELTPOUCH EMPTY CUS	8191311	1

Tool kit, tool wrap with customized marking

– No risk of switching tool bags thanks to the clearly printed labels
– Products are configured and ordered with web code:

#0290



Tool case

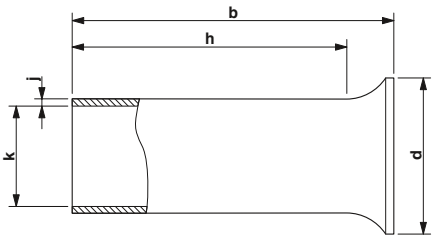


Wrap-up tool bag

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Tool kit, with permanently closeable business card pocket, with US EMP (85.6 x 54) marking label, marked according to customer requirements	TOOL-KIT STANDARD EMPTY CUS	8191307	1
Tool wrap, with permanently closable business card pocket, with marking label US EMP (85.6 x 54) marked according to customer requirements	TOOL-WRAP EMPTY CUS	8191309	1

Ferrules without insulating collar, according to DIN 46228–1

– The ferrules without plastic sleeve are made from soft tin-plated electrolytic copper
– The ferrules correspond to the requirements of DIN 46228-1 and UL 486F in terms of dimension
– The A 0,25... can also be used to process 0.14 mm² conductors
– UL and CSA-certified





Conductor cross sections from 0.14 to 35 mm²

Notes:

[1]) These ferrules are not included in DIN 46228-1: 1990-09 and UL 486F.

[2]) These ferrules are not UL certified

Technical data

General data

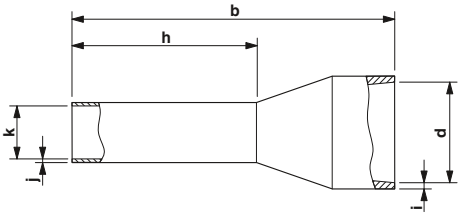
Material / coating: E-CU / tin-plated (galvanic)

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, UL and CSA-certified													
	0.25[1])	24[2])	silver	-	5.00	1.70	-	-	0.15	0.80	**A 0,25- 5**	3202465	1000
	0.25[1])	24[2])	silver	-	7.00	1.70	-	-	0.15	0.80	**A 0,25- 7**	3202478	1000
	0.34[1])	22[2])	silver	-	7.00	1.80	-	-	0.15	0.90	**A 0,34- 7**	3009202	1000
	0.5	20	silver	-	6.00	2.10	-	-	0.15	1.00	**A 0,5 - 6**	3200218	1000
	0.5[1])	20	silver	-	8.00	2.10	-	-	0.15	1.00	**A 0,5 - 8**	3202481	1000
	0.5	20	silver	-	10.00	2.10	-	-	0.15	1.00	**A 0,5 -10**	3202494	1000
	0.75	18	silver	-	6.00	2.30	-	-	0.15	1.20	**A 0,75- 6**	3200221	1000
	0.75[1])	18	silver	-	8.00	2.30	-	-	0.15	1.20	**A 0,75- 8**	3202504	1000
	0.75	18	silver	-	10.00	2.30	-	-	0.15	1.20	**A 0,75-10**	3200234	1000
	1	18	silver	-	6.00	2.50	-	-	0.15	1.40	**A 1 - 6**	3200247	1000
	1[1])	18	silver	-	8.00	2.50	-	-	0.15	1.40	**A 1 - 8**	3202517	1000
	1	18	silver	-	10.00	2.50	-	-	0.15	1.40	**A 1 -10**	3200250	1000
	1.5	16	silver	-	7.00	2.80	-	-	0.15	1.70	**A 1,5 - 7**	3200263	1000
	1.5	16	silver	-	10.00	2.80	-	-	0.15	1.70	**A 1,5 -10**	3200276	1000
	1.5	16	silver	-	12.00	2.80	-	-	0.15	1.70	**A 1,5 -12**	3202588	1000
	1.5[1])	16	silver	-	15.00	2.80	-	-	0.15	1.70	**A 1,5 -15**	3202591	1000
	1.5	16	silver	-	18.00	2.80	-	-	0.15	1.70	**A 1,5 -18**	3202601	1000
	2.5	14	silver	-	7.00	3.40	-	-	0.15	2.20	**A 2,5 - 7**	3200289	1000
	2.5	14	silver	-	12.00	3.40	-	-	0.15	2.20	**A 2,5 -12**	3200292	1000
	2.5	14	silver	-	18.00	3.40	-	-	0.15	2.20	**A 2,5 -18**	3202821	1000
	4	12	silver	-	9.00	4.00	-	-	0.20	2.80	**A 4 - 9**	3200302	1000
	4	12	silver	-	12.00	4.00	-	-	0.20	2.80	**A 4 -12**	3200315	1000
	4	12	silver	-	18.00	4.00	-	-	0.20	2.80	**A 4 -18**	3202834	1000
	6	10	silver	-	10.00	4.70	-	-	0.20	3.50	**A 6 -10**	3202520	500
	6	10	silver	-	12.00	4.70	-	-	0.20	3.50	**A 6 -12**	3200328	500
	10	8	silver	-	12.00	5.80	-	-	0.20	4.50	**A 10 -12**	3200331	500
	10	8	silver	-	18.00	5.80	-	-	0.20	4.50	**A 10 -18**	3200344	500
	16	6	silver	-	12.00	7.50	-	-	0.20	5.80	**A 16 -12**	3200425	100
	25[1])	4	silver	-	12.00	9.50	-	-	0.20	7.30	**A 25 -12**	3200357	100
	25	4	silver	-	15.00	9.50	-	-	0.20	7.30	**A 25 -15**	3200360	100
	25	4	silver	-	18.00	9.50	-	-	0.20	7.30	**A 25 -18**	3200373	100
	25[1])	4[2])	silver	-	20.00	9.50	-	-	0.20	7.30	**A 25 -20**	3200386	100
	25[1])	4[2])	silver	-	40.00	9.50	-	-	0.20	7.30	**A 25 -40**	3241238	100
	35	2	silver	-	18.00	11.00	-	-	0.20	8.30	**A 35 -18**	3200399	100
	35[1])	2	silver	-	20.00	11.00	-	-	0.20	8.30	**A 35 -20**	3200409	100
	35[1])	2[2])	silver	-	40.00	11.00	-	-	0.20	8.20	**A 35 -40**	3241239	100
	50[1])	1/0[2])	silver	-	40.00	13.00	-	-	0.30	10.30	**A 50 -40**	3241240	100
	70[1])	2/0[2])	silver	-	40.00	15.00	-	-	0.40	12.50	**A 70 -40**	3241241	100
	95[1])	3/0[2])	silver	-	40.00	17.00	-	-	0.40	14.50	**A 95 -40**	3241242	100

Ferrules with insulating collar, according to DIN 46228–4: 1990-09 and UL 486F

- The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper
- The insulation reliability of close connections is increased and the splicing of wires is prevented
- The AI 0,25... can also be used to process 0.14 mm² conductors
- The ferrules correspond to the requirements of DIN 46228-4 and UL 486F
- UL and CSA-certified





Conductor cross sections from 0.14 to 120 mm²

Notes:

[1]) These ferrules are not included in DIN 46228-1: 1990-09 and UL 486F.

[2]) These ferrules are not UL certified

Technical data

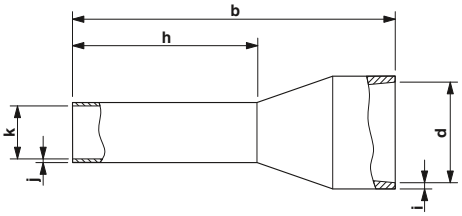
General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene / free from silicone and halogen
Long/short-term temperature	105 °C / 120 °C

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 code according to **DIN 46228-4,** UL and CSA-certified													
	0.25[1])	24[2])	yellow	-	10.50	2.00	6.00	0.25	0.15	0.80	AI 0,25- 6 YE	3203024	100
	0.25[1])	24[2])	yellow	-	12.50	2.00	8.00	0.25	0.15	0.80	AI 0,25- 8 YE	3203037	100
	0.25[1])	24[2])	yellow	-	14.50	2.00	10.00	0.25	0.25	0.80	AI 0,25-10 YE	3241128	100
	0.5	20	white	-	12.00	2.50	6.00	0.25	0.15	1.10	AI 0,5 - 6 WH	3200687	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	AI 0,5 - 8 WH	3200014	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	AI 0,5 - 8 WH -1000	3200881	1000
	0.5	20	white	-	16.00	2.50	10.00	0.25	0.15	1.10	AI 0,5 -10 WH	3201275	100
	0.5[1])	20	white	-	18.00	2.50	12.00	0.25	0.15	1.10	AI 0,5 -12 WH	3200506	100
	0.75	18	gray	-	12.00	2.80	6.00	0.25	0.15	1.30	AI 0,75- 6 GY	3200690	100
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	AI 0,75- 8 GY	3200519	100
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	AI 0,75- 8 GY -1000	3200894	1000
	0.75	18	gray	-	16.00	2.80	10.00	0.25	0.15	1.30	AI 0,75-10 GY	3201288	100
	0.75	18	gray	-	16.00	2.80	10.00	0.25	0.15	1.30	AI 0,75-10 GY-1000	3203118	1000
	0.75	18	gray	-	18.00	2.80	12.00	0.25	0.15	1.30	AI 0,75-12 GY	3200849	100
	1	18	red	-	12.00	3.00	6.00	0.30	0.15	1.50	AI 1 - 6 RD	3200742	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	AI 1 - 8 RD	3200030	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	AI 1 - 8 RD -1000	3200904	1000
	1	18	red	-	16.00	3.00	10.00	0.30	0.15	1.50	AI 1 -10 RD	3200182	100
	1	18	red	-	18.00	3.00	12.00	0.30	0.15	1.50	AI 1 -12 RD	3200674	100
	1.5[1])	16	black	-	12.00	3.40	6.00	0.30	0.15	1.80	AI 1,5 - 6 BK	3200755	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	AI 1,5 - 8 BK	3200043	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	AI 1,5 - 8 BK -1000	3200917	1000
	1.5	16	black	-	16.00	3.40	10.00	0.30	0.15	1.80	AI 1,5 -10 BK	3200195	100
	1.5	16	black	-	18.00	3.40	10.00	0.30	0.15	1.80	AI 1,5 -10 BK-1000	3203134	1000
	1.5	16	black	-	18.00	3.40	12.00	0.30	0.15	1.80	AI 1,5 -12 BK	3201482	100
	1.5	16	black	-	24.00	3.40	18.00	0.30	0.15	1.80	AI 1,5 -18 BK	3200056	100
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	AI 2,5 - 8 BU	3200522	100
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	AI 2,5 - 8 BU -1000	3200920	1000
	2.5[1])	14	blue	-	17.00	4.20	10.00	0.30	0.15	2.30	AI 2,5 -10 BU	3202533	100
	2.5[1])	14	blue	-	17.00	4.20	10.00	0.30	0.15	2.30	AI 2,5 -10 BU-1000	3203147	1000
	2.5	14	blue	-	18.00	4.20	12.00	0.30	0.15	2.30	AI 2,5 -12 BU	3200962	100
	2.5	14	blue	-	24.00	4.20	18.00	0.30	0.15	2.30	AI 2,5 -18 BU	3200580	100
	4	12	gray	-	17.00	4.80	10.00	0.30	0.20	2.80	AI 4 -10 GY	3200535	100
	4	12	gray	-	20.00	4.80	12.00	0.30	0.20	2.80	AI 4 -12 GY	3200959	100
	4[1])	12[2])	gray	-	20.00	4.80	15.00	0.30	0.20	2.80	AI 4 -15 GY	1200264	100
	4	12	gray	-	26.00	4.80	18.00	0.30	0.20	2.80	AI 4 -18 GY	3200593	100
	6	10	yellow	-	20.00	6.20	12.00	0.30	0.20	3.50	AI 6 -12 YE	3200548	100
	6	10	yellow	-	26.00	6.20	18.00	0.30	0.20	3.50	AI 6 -18 YE	3200603	100
	10	8	red	-	22.00	7.50	12.00	0.30	0.20	4.60	AI 10 -12 RD	3200551	100
	10	8	red	-	28.00	7.50	18.00	0.30	0.20	4.60	AI 10 -18 RD	3200616	100
	16	6	blue	-	24.00	8.80	12.00	0.40	0.20	5.80	AI 16 -12 BU	3200564	100
	16	6	blue	-	29.00	8.80	18.00	0.40	0.20	5.80	AI 16 -18 BU	3200629	100
	25	4	yellow	-	29.00	11.00	16.00	0.50	0.20	7.30	AI 25 -16 YE	3200577	50
	25	4	yellow	-	32.00	11.00	18.00	0.50	0.20	7.30	AI 25 -18 YE	3201505	50
	25	4	yellow	-	36.00	11.00	22.00	0.50	0.20	7.30	AI 25 -22 YE	3200700	50
	35	2	red	-	30.00	12.50	16.00	0.50	0.20	8.30	AI 35 -16 RD	3200441	50
	35	2	red	-	32.00	12.50	18.00	0.50	0.20	8.30	AI 35 -18 RD	3201495	50
	35	2	red	-	39.00	12.50	25.00	0.50	0.20	8.30	AI 35 -25 RD	3200713	50
	50	1/0	blue	-	36.00	15.00	20.00	0.60	0.35	10.30	AI 50 -20 BU	3200454	50
	50	1/0	blue	-	40.00	15.00	25.00	0.60	0.35	10.30	AI 50 -25 BU	3200726	25
	70[1])	2[2])	yellow	-	37.00	16.00	20.00	0.60	0.35	12.70	AI 70 -20 YE	3201848	25
	95[1])	4[2])	red	-	44.00	18.00	25.00	0.60	0.35	14.70	AI 95 -25 RD	3201853	25
	120[1])	5[2])	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 NFC 63−023

- The ferrules correspond to the requirements of DIN 46228-4 and UL 486F in terms of dimension
- The color code of the plastic insulating collar corresponds to the French standard NFC 63-023: 1994-02
- The metal sleeves are made from soft tin-plated electrolytic copper
- UL and CSA-certified





Conductor cross sections from 0.5 to 50 mm²

Notes:

[1]) These ferrules are not included in DIN 46228-1: 1990-09 and UL 486F.

Technical data

General data

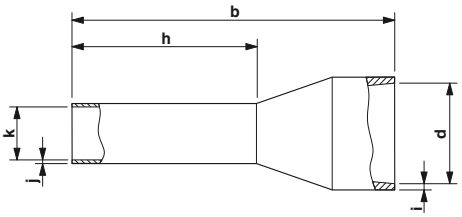
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene / free from silicone and halogen
Long/short-term temperature	105 °C / 120 °C

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 code according to NFC63-023, UL, and CSA-certified													
	0.5	20	white	-	12.00	2.50	6.00	0.25	0.15	1.10	**AI 0,5 - 6 WH**	3200687	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH**	3200014	100
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH -1000**	3200881	1000
	0.5	20	white	-	16.00	2.50	10.00	0.25	0.15	1.10	**AI 0,5 -10 WH**	3201275	100
	0.5[1])	20	white	-	18.00	2.50	12.00	0.25	0.15	1.10	**AI 0,5 -12 WH**	3200506	100
	0.75	18	blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU**	3200027	100
	0.75	18	blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU -1000**	1213200	1000
	1	18	red	-	12.00	3.00	6.00	0.30	0.15	1.50	**AI 1 - 6 RD**	3200742	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD**	3200030	100
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD -1000**	3200904	1000
	1	18	red	-	16.00	3.00	10.00	0.30	0.15	1.50	**AI 1 -10 RD**	3200182	100
	1	18	red	-	18.00	3.00	12.00	0.30	0.15	1.50	**AI 1 -12 RD**	3200674	100
	1.5[1])	16	black	-	12.00	3.40	6.00	0.30	0.15	1.80	**AI 1,5 - 6 BK**	3200755	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK**	3200043	100
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK -1000**	3200917	1000
	1.5	16	black	-	16.00	3.40	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK**	3200195	100
	1.5	16	black	-	18.00	3.40	12.00	0.30	0.15	1.80	**AI 1,5 -12 BK**	3201482	100
	1.5	16	black	-	24.00	3.40	18.00	0.30	0.15	1.80	**AI 1,5 -18 BK**	3200056	100
	2.5	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	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 -8 GY -1000**	1213201	1000
	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	-	17.00	4.80	10.00	0.30	0.20	2.80	**AI 4 -10 OG -1000**	1213202	1000
	4	12	orange	-	20.00	4.80	12.00	0.30	0.20	2.80	**AI 4 -12 OG**	3200438	100
	4	12	orange	-	26.00	4.80	18.00	0.30	0.20	2.80	**AI 4 -18 OG**	3200098	100
	6	10	green	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 GN**	3200108	100
	6	10	green	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 GN -1000**	1213203	1000
	6	10	green	-	26.00	6.20	18.00	0.30	0.20	3.50	**AI 6 -18 GN**	3200111	100
	10	8	brown	-	22.00	7.50	12.00	0.30	0.20	4.60	**AI 10 -12 BN**	3200124	100
	10	8	brown	-	28.00	7.50	18.00	0.30	0.20	4.60	**AI 10 -18 BN**	3200137	100
	16	6	ivory	-	24.00	8.80	12.00	0.40	0.20	5.80	**AI 16 -12 IV**	3201181	100
	25	4	black	-	30.00	11.00	16.00	0.50	0.20	7.30	**AI 25 -16 BK**	3200412	50
	25	4	black	-	36.00	11.00	22.00	0.50	0.20	7.30	**AI 25 -22 BK**	3200739	50
	35	2	red	-	30.00	12.50	16.00	0.50	0.20	8.30	**AI 35 -16 RD**	3200441	50
	35	2	red	-	39.00	12.50	25.00	0.50	0.20	8.30	**AI 35 -25 RD**	3200713	50
	50	1/0	blue	-	36.00	15.00	20.00	0.60	0.35	10.30	**AI 50 -20 BU**	3200454	50
	50	1/0	blue	-	40.00	15.00	25.00	0.60	0.35	10.30	**AI 50 -25 BU**	3200726	25

Ferrules with insulating collar in special colors

- The insulation reliability of close connections is increased and the splicing of wires is prevented
- The conically shaped, Easy Entry insulating collar ensures easy and correct conductor insertion.
- The ferrules correspond to the requirements of DIN 46228-4 and UL 486F in terms of dimension
- UL and CSA-certified





Conductor cross sections from 0.14 to 120 mm²

Notes:

1) These ferrules are not included in DIN 46228-1: 1990-09 and UL 486F.

2) These ferrules are not UL certified

Technical data

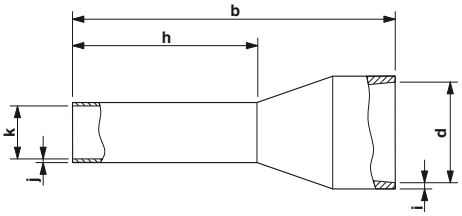
General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene / free from silicone and halogen
Long/short-term temperature	105 °C / 120 °C

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, UL and CSA-certified													
	0.14[1]	26[2]	gray	-	12.50	2.00	8.00	0.25	0.15	0.80	**AI 0,14- 8 GY -1000**	3203011	1000
	0.25[1]	24[2]	blue	-	10.50	2.00	6.00	0.25	0.15	0.80	**AI 0,25- 6 BU**	3203040	100
	0.25[1]	24[2]	blue	-	12.50	2.00	8.00	0.25	0.25	0.80	**AI 0,25- 8 BU**	3201364	100
	0.25[1]	24[2]	blue	-	16.50	2.00	12.00	0.25	0.15	0.80	**AI 0,25-12 BU**	3200632	100
	0.34[1]	22[2]	turquoise	-	10.50	2.00	6.00	0.25	0.15	0.80	**AI 0,34- 6 TQ**	3203053	100
	0.34[1]	22[2]	turquoise	-	12.50	2.00	8.00	0.25	0.15	0.80	**AI 0,34- 8 TQ**	3203066	100
	0.34[1]	22[2]	turquoise	-	14.50	2.00	10.00	0.25	0.15	0.80	**AI 0,34-10 TQ**	3241129	100
	0.34[1]	22[2]	turquoise	-	16.50	2.00	12.00	0.25	0.15	0.80	**AI 0,34-12 TQ**	3200645	100
	0.5	20	orange	-	12.00	2.50	6.00	0.25	0.15	1.10	**AI 0,5 - 6 OG**	3201301	100
	0.5	20	orange	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 OG**	3201123	100
	0.5	20	orange	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 OG-1000**	3202902	1000
	0.5	20	orange	-	14.00	2.50	10.00	0.25	0.15	1.10	**AI 0,5 -10 OG**	3241126	500
	0.75	18	white	-	12.00	2.80	6.00	0.25	0.15	1.30	**AI 0,75- 6 WH**	3201314	100
	0.75	18	white	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 WH**	3201110	100
	1	18	yellow	-	12.00	3.00	6.00	0.30	0.15	1.50	**AI 1 - 6 YE**	3201327	100
	1	18	yellow	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 YE**	3201097	100
	1.5	16	red	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 RD**	3201136	100
	1.5	16	red	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 RD-1000**	3202928	1000
	1.5	16	red	-	24.00	3.40	18.00	0.30	0.15	1.80	**AI 1,5 -18 RD**	3241125	500
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU**	3200522	100
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU -1000**	3200920	1000
	2.5	14	blue	-	18.00	4.20	12.00	0.30	0.15	2.30	**AI 2,5 -12 BU**	3200962	100
	2.5	14	blue	-	24.00	4.20	18.00	0.30	0.15	2.30	**AI 2,5 -18 BU**	3200580	100
	4	12	gray	-	17.00	4.80	10.00	0.30	0.20	2.80	**AI 4 -10 GY**	3200535	100
	4	12	gray	-	20.00	4.80	12.00	0.30	0.20	2.80	**AI 4 -12 GY**	3200959	100
	4	12	gray	-	26.00	4.80	18.00	0.30	0.20	2.80	**AI 4 -18 GY**	3200593	100
	6	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
	16	6	white	-	20.00	6.20	12.00	0.40	0.20	3.50	**AI 16 -12 WH**	3200140	100
	16	6	white	-	28.00	8.80	18.00	0.40	0.20	5.80	**AI 16 -18 WH**	3200153	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
	50	1/0	black	-	40.00	15.00	25.00	0.60	0.35	10.30	**AI 50-25 BK**	3240678	1000
	95[1]	4[2]	red	-	44.00	18.00	25.00	0.60	0.35	14.70	**AI 95 -25 RD**	3201853	25
	120[1]	5[2]	blue	-	48.00	21.00	27.00	0.70	0.45	16.70	**AI120 -27 BU**	3201822	25

Ferrules for special applications

- These ferrules provide a practical way of crimping conductors with increased insulation
- This type of ferrule is used with AWG cables in particular. The insulating collar has an enlarged diameter
- Color code according to DIN 46228-4 and UL 486F
- UL and CSA-certified





Conductor cross sections from 0.5 to 1.5 mm²

Technical data

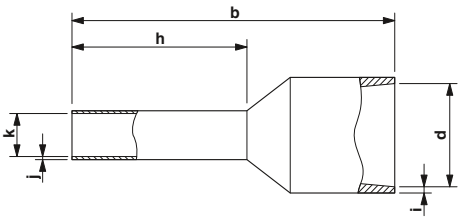
General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene / free from silicone and halogen
Long/short-term temperature	105 °C / 120 °C

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Ferrules, with enlarged plastic sleeve, color code according to DIN 46228-4 and UL 486F, UL and CSA-certified													
	0.5	20	white	-	13.50	3.00	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH-GB**	1208966	500
	0.5	20	white	-	15.50	3.00	10.00	0.25	0.15	1.10	**AI 0,5-10 WH-GB**	3203150	100
	0.75	18	gray	-	14.00	3.40	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY-GB**	1208979	500
	0.75	18	gray	-	16.00	3.40	10.00	0.25	0.15	1.30	**AI 0,75-10 GY-GB**	3203163	100
	0.75	18	gray	-	16.00	3.40	10.00	0.25	0.15	1.30	**AI 0,75-10 GY-GB-1000**	3203299	1000
	1	18	red	-	14.00	3.40	8.00	0.30	0.15	1.50	**AI 1 - 8 RD-GB**	1208982	500
	1	18	red	-	16.00	3.40	10.00	0.30	0.15	1.50	**AI 1 -10 RD-GB-1000**	1208869	1000
	1.5	16	black	-	14.00	3.70	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK-GB-1000**	3202892	1000
	1.5	16	black	-	16.00	3.70	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK-GB-1000**	1208872	1000

Ferrules for special applications

- Suitable for conductors with thicker insulation, such as short-circuit-proof conductors
- Color code according to DIN 46228-4 and UL 486F
- UL and CSA-certified





Conductor cross sections from 1.5 to 16 mm²

Technical data

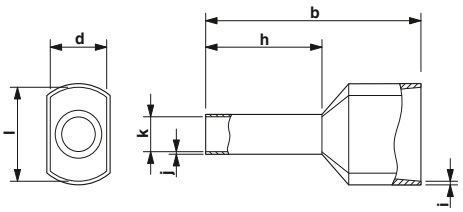
General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene / free from silicone and halogen
Long/short-term temperature	105 °C / 120 °C

Ordering data

Description	Cross section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Ferrules, with significantly enlarged plastic sleeve, color code according to DIN 46228-4 and UL 486F, UL, and 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
- Chain bridges can be easily implemented using these special ferrules
- Different versions of the individual TWIN ferrules can be selected for specific applications
- These ferrules correspond to the requirements of UL 486F
- UL and CSA-certified





Conductor cross sections from 2 x 0.5 to 2 x 16 mm²

Technical data

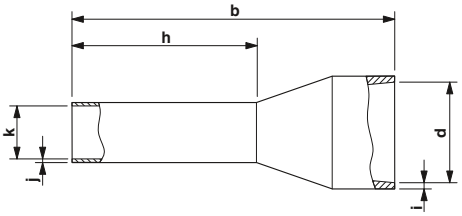
General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene / free from silicone and halogen
Long/short-term temperature	105 °C / 120 °C

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] b	d	h	i	j	k	l	Type	Order No.	Pcs./Pkt.
Ferrules, with TWIN plastic sleeve, color code according to DIN 46228-4 and UL 486F, UL and CSA-certified													
	2 x 0.5	2 x 20	white	15.00	2.50	8.00	0.25	0.15	1.50	-	**AI-TWIN 2X 0,5 - 8 WH**	3200933	100
	2 x 0.75	2 x 18	gray	15.00	2.80	8.00	0.25	0.15	1.80	-	**AI-TWIN 2X 0,75- 8 GY**	3200807	100
	2 x 0.75	2 x 18	gray	17.00	2.80	10.00	0.25	0.15	1.80	-	**AI-TWIN 2X 0,75-10 GY**	3200975	100
	2 x 1	2 x 18	red	15.00	3.40	8.00	0.30	0.15	2.05	-	**AI-TWIN 2X 1 - 8 RD**	3200810	100
	2 x 1	2 x 18	red	17.00	3.40	10.00	0.30	0.15	2.05	-	**AI-TWIN 2X 1 -10 RD**	3200988	100
	2 x 1	2 x 18	red	19.00	3.40	12.00	0.30	0.15	2.05	-	**AI-TWIN 2X1-12 RD**	3240679	100
	2 x 1.5	2 x 16	black	16.00	3.60	8.00	0.30	0.15	2.30	-	**AI-TWIN 2X 1,5 - 8 BK**	3200823	100
	2 x 1.5	2 x 16	black	18.00	3.60	10.00	0.30	0.15	2.30	-	**AI-TWIN 2X 1,5 -10 BK**	3201534	100
	2 x 1.5	2 x 16	black	20.00	3.60	12.00	0.30	0.15	2.30	-	**AI-TWIN 2X 1,5 -12 BK**	3200991	100
	2 x 2.5	2 x 14	blue	18.50	4.20	10.00	0.30	0.20	2.90	-	**AI-TWIN 2X 2,5 -10 BU**	3200836	100
	2 x 2.5	2 x 14	blue	21.50	4.20	13.00	0.30	0.20	2.90	-	**AI-TWIN 2X 2,5 -13 BU**	3200878	100
	2 x 2.5	2 x 14	blue	24.50	4.20	16.00	0.30	0.20	2.90	-	**AI-TWIN 2X 2,5 -16 BU**	1200281	100
	2 x 4	2 x 12	gray	23.00	4.90	12.00	0.30	0.20	3.80	-	**AI-TWIN 2X 4 -12 GY**	3201000	100
	2 x 6	2 x 10	yellow	25.00	5.90	14.00	0.40	0.20	4.90	-	**AI-TWIN 2X 6 -14 YE**	3201013	100
	2 x 10	2 x 8	red	26.00	7.20	14.00	0.40	0.20	6.50	-	**AI-TWIN 2X10 -14 RD**	3201026	100
	2 x 16	2 x 6	blue	31.00	8.80	16.00	0.50	0.20	8.50	-	**AI-TWIN 2X16 -16 BU**	3202847	50
Ferrules, with TWIN plastic sleeve, special colors UL and CSA-certified													
	2 x 4	2 x 12	orange	23.00	4.90	12.00	0.30	0.20	3.80	-	**AI-TWIN 2X 4 -12 OG**	1213204	100
	2 x 6	2 x 10	green	25.00	5.90	14.00	0.40	0.20	4.90	-	**AI-TWIN 2X 6 -14 GN**	1213205	100
	2 x 10	2 x 8	brown	26.00	7.20	14.00	0.40	0.20	6.50	-	**AI-TWIN 2X10 -14 BN**	1213206	100
	2 x 16	2 x 6	white	31.00	8.80	16.00	0.50	0.20	8.50	-	**AI-TWIN 2X16 -16 WH**	1213207	50
Ferrules, with TWIN plastic sleeve, color code according to NFC 63-023, UL and CSA-certified													
	2 x 0.5	2 x 20	white	15.00	2.50	10.00	0.25	0.15	1.50	-	**AI-TWIN 2X 0,5-10 WH**	3203309	100
	2 x 0.75	2 x 18	blue	15.00	2.80	8.00	0.25	0.15	1.80	-	**AI-TWIN 2X 0,75- 8 BU**	3240668	100
	2 x 2.5	2 x 14	gray	18.50	4.20	10.00	0.30	0.20	2.90	-	**AI-TWIN 2X 2,5 -10 GY**	3240669	100

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
- The ferrules correspond to the requirements of DIN 46228-4 and UL 486F
- UL and CSA-certified





Conductor cross section of 0.5 - 2.5 mm²

Technical data

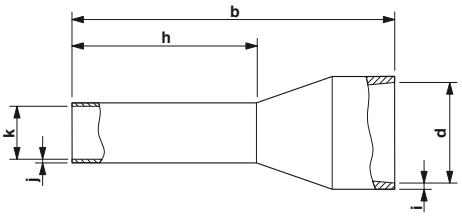
General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene / free from silicone and halogen
Long/short-term temperature	105 °C / 120 °C

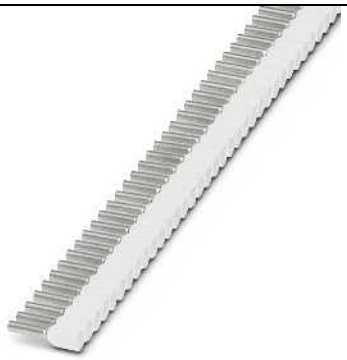
Ordering data

Description	Cross section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Reel ferrules, with plastic sleeve, large coils for automatic processing, color code acc. to DIN 46228–4 and UL 486F, UL and CSA certified													
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5-8 WH-B 3000**	3240663	3000
	0.75	18	white	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75-8 WH-B 3000**	3240677	3000
	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75-8 GY-B 3000**	3240664	3000
	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1-8 RD-B 3000**	3240665	3000
	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5-8 BK-B 2500**	3240666	2500
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5-8 BU-B 1500**	3240667	1500

Ferrules with plastic collar in strip form

- Suitable for processing with the CRIMPFOX 4 IN 1
- The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper
- The ferrules correspond to the requirements of DIN 46228-4 and UL 486F
- UL and CSA-certified





Conductor cross section of 0.5 - 2.5 mm²

Technical data

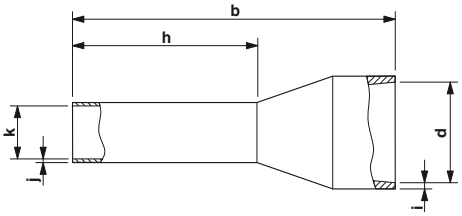
General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene / free from silicone and halogen
Long/short-term temperature	105 °C / 120 °C

Ordering data

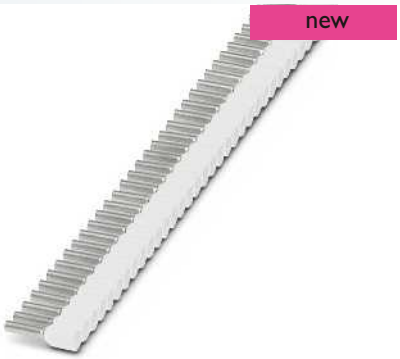
Description	Cross section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs./Pkt.
Reel ferrules, ferrule length 8 mm, in accordance with DIN 46228-4 and UL 486F, 10 strips each with 50(40) sleeves.													
0.5 mm²	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5-8 WH S1**	1200104	500
0.75 mm²	0.75	18	blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU S1**	1200163	500
0.75 mm²	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY S1**	1200105	500
1.0 mm²	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1,0-8 RD S1**	1200106	500
1.5 mm²	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5-8 BK S1**	1200107	500
	2.5	14	blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5-8 BU S1**	1200108	400
2.5 mm²	2.5	14	gray	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5-8 GY S1**	1200164	400

Ferrules with plastic collar in strip form

- Suitable for processing with the CRIMPHANDY
- The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper
- The ferrules correspond to the requirements of DIN 46228-4 and UL 486F
- UL and CSA-certified



new



Conductor cross section 0.5 - 1.5 mm², with function end

Technical data

General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene / free from silicone and halogen
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.
Reel ferrules, with function end, 0.5 mm², 8 mm, with plastic sleeve, according to DIN 46228-4 and UL 486F, UL-certified, white, 50 pieces per strip, 20 strips per Pcs./Pkt.													
White, according to DIN 46228-4, UL 486F, and NFC 63-023	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5-8 WH-S**	1212521	1000
Gray, according to DIN 46228-4 and UL 486F	0.75	18	gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY-S**	1212522	1000
Red, according to DIN 46228-4 and NF C 63-023: 1994-02	1	18	red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1,0-8 RD-S**	1212523	1000
Black, according to DIN 46228-4 and NF C 63-023: 1994-02	1.5	16	black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5-8 BK-S**	1212524	1000
Blue, in accordance with NFC 63-023	0.75	18	blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU-S**	1212785	1000
Orange, special color	0.5	20	orange	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5-8 OG-S**	1212784	1000
White, special color	0.75	18	white	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 WH-S**	1212783	1000
Yellow, special color	1	18	yellow	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1,0-8 YE-S**	1212782	1000
Red, special color	1.5	16	red	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5-8 RD-S**	1212781	1000

Assortment boxes containing ferrules

- Color coding and the transparent cover facilitate fast access to the required ferrules.
- The practical assortment boxes are designed to keep your workshop tidy
- With the integrated Euro hole, they are affixed to perforated plate panels in a space-saving way



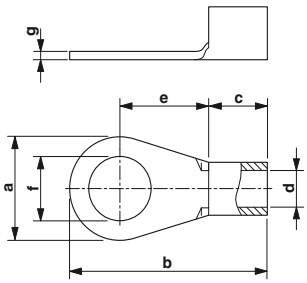
Assortment box, equipped



Tool and ferrule set

Description	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Assortment box, equipped with ferrules in accordance with DIN 46228-4, CSA-certified 500 pcs. each of AI 0,5-8 WH, AI 2,5-8 BU, 100 pcs. each of AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK	**AI SORTI BOX RD**	3202960	1			
Assortment box, equipped with ferrules in accordance with DIN 46228-4, CSA-certified 50 pcs. of AI 4-10 GY, 20 pcs. each of AI 6-12 YE, AI 10-12 RD, 10 pcs. of AI 16-12 BU	**AI SORTI BOX ANT**	3202973	1			
Assortment box, 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	**AI-TWIN SORTI BOX BU**	3202986	1			
Assortment box, equipped with TWIN ferrules in accordance with DIN 46228-4, CSA-certified 20 pcs. of AI-TWIN 2x4-12 GY, 10 pcs. each of AI-TWIN 2x6-14 YE, AI-TWIN 2x10-14 RD	**AI-TWIN SORTI BOX GY**	3202999	1			
Assortment box, unequipped, with five compartments	**AI SORTI BOX-E LGY**	3203008	10			
Assortment box, made of metal, equipped with ferrules in accordance with DIN 46228–4: 1990–09, CSA-certified 500 pieces each of AI 0,25-6 YE, AI 0,34-6 TQ, AI 0,5-8 WH, AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK, 300 pieces of AI 2,5-8 BU, 200 pieces of AI 4-10 GY, 100 pieces of AI 6-12 YE as well as stripping tool for wires and conductors of up to 6 mm² Crimp pliers for ferrules in accordance with DIN 46228, Part 1+4, 0.5 – 6 mm², front insertion, trapezoidal crimp				**CRIMPSET 6**	1202072	1
Assortment box, made of metal, equipped with ferrules in accordance with DIN 46228–4: 1990–09, CSA-certified 300 pieces of AI 10-12 RD, 200 pieces of AI 16-12 BU, 100 pieces of AI 25-16 YE as well as stripping tool, for stripping wires of 4.5 - 40 mm, Crimp pliers for ferrules in accordance with DIN 46228, Part 1+4, 10 - 25 mm², lateral insertion, WM crimp				**CRIMPSET 25**	1202580	1
Assortment box, metal, no components mounted				**CRIMPSET 6/25 LEER**	1204041	1

Ring cable lugs, non-insulated





Conductor cross sections from 0.5 to 240 mm²

- The ring cable lugs without plastic sleeve are made from high-quality tin-plated electrolytic copper for maximum protection against corrosion
- The hard-soldered crimp zone enables maximum conductor pull-out values and the best contact properties to be achieved
- For optimum crimping, the CRIMPFOX-RC... tools from our CRIMPFOX crimping pliers range are available to you

EAC

Technical data

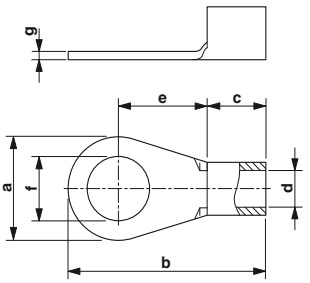
General data

Material / coating	Copper / Tin-plated
Temperature range [°C]	... 110

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Ring cable lug, non-insulated, 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
	2.6 - 6	12 - 10	silver	8.00	17.50	6.00	3.60	8.00	4.30	1.00	C-RC 6/M4 DIN	3240083	50
	2.6 - 6	12 - 10	silver	10.00	20.00	6.00	3.60	9.00	5.30	1.00	C-RC 6/M5 DIN	3240084	50
	2.6 - 6	12 - 10	silver	11.00	22.00	6.00	3.60	10.00	6.50	1.00	C-RC 6/M6 DIN	3240085	50
	2.6 - 6	12 - 10	silver	14.00	26.00	6.00	3.60	13.00	8.40	1.00	C-RC 6/M8 DIN	3240086	50
	2.6 - 6	12 - 10	silver	18.00	30.00	6.00	3.60	15.00	10.50	1.00	C-RC 6/M10 DIN	3240087	50
	2.6 - 6	12 - 10	silver	18.00	35.50	6.00	3.60	15.00	13.00	1.00	C-RC 6/M12 DIN	3240088	50
	- 10	- 8	silver	10.00	21.00	8.00	4.50	8.00	5.30	1.10	C-RC 10/M5 DIN	3240089	100
	- 10	- 8	silver	11.00	23.00	8.00	4.50	9.00	6.50	1.10	C-RC 10/M6 DIN	3240090	100
	- 10	- 8	silver	14.00	27.00	8.00	4.50	12.00	8.40	1.10	C-RC 10/M8 DIN	3240091	100
	- 10	- 8	silver	18.00	30.00	8.00	4.50	13.00	10.50	1.10	C-RC 10/M10 DIN	3240092	100
	- 10	- 8	silver	22.00	34.00	8.00	4.50	15.00	13.00	1.10	C-RC 10/M12 DIN	3240093	100
	- 16	- 6	silver	11.00	26.00	10.00	5.80	10.00	5.30	1.10	C-RC 16/M5 DIN	3240094	100
	- 16	- 6	silver	11.00	26.00	10.00	5.80	10.00	6.50	1.20	C-RC 16/M6 DIN	3240095	100
	- 16	- 6	silver	14.00	29.00	10.00	5.80	12.00	8.40	1.20	C-RC 16/M8 DIN	3240096	100
	- 16	- 6	silver	18.00	33.00	10.00	5.80	14.00	10.50	1.20	C-RC 16/M10 DIN	3240097	100
	- 16	- 6	silver	22.00	37.00	10.00	5.80	16.00	13.00	1.20	C-RC 16/M12 DIN	3240098	100
	- 25	- 4	silver	12.00	31.00	11.00	7.50	14.00	5.30	1.50	C-RC 25/M5 DIN	3240099	100
	- 25	- 4	silver	12.00	31.00	11.00	7.50	14.00	6.50	1.50	C-RC 25/M6 DIN	3240100	100
	- 25	- 4	silver	16.00	33.00	11.00	7.50	14.00	8.40	1.50	C-RC 25/M8 DIN	3240101	100
	- 25	- 4	silver	18.00	35.00	11.00	7.50	15.00	10.50	1.50	C-RC 25/M10 DIN	3240102	100
	- 25	- 4	silver	31.00	42.00	11.00	7.50	20.00	13.00	1.50	C-RC 25/M12 DIN	3240103	100
	- 25	- 4	silver	35.00	49.00	11.00	7.50	25.00	17.00	1.50	C-RC 25/M16 DIN	3240104	100
	- 35	- 2	silver	15.00	34.00	12.00	9.00	14.00	6.50	1.60	C-RC 35/M6 DIN	3240105	100
	- 35	- 2	silver	16.00	34.00	12.00	9.00	14.00	8.40	1.60	C-RC 35/M8 DIN	3240106	100
	- 35	- 2	silver	18.00	36.00	12.00	9.00	15.00	10.50	1.60	C-RC 35/M10 DIN	3240107	100
	- 35	- 2	silver	22.00	42.00	12.00	9.00	19.00	13.00	1.60	C-RC 35/M12 DIN	3240108	100
	- 35	- 2	silver	28.00	50.00	12.00	9.00	24.00	17.00	1.60	C-RC 35/M16 DIN	3240109	100
	- 50	- 1/0	silver	18.00	43.00	16.00	11.00	18.00	6.50	1.80	C-RC 50/M6 DIN	3240110	100
	- 50	- 1/0	silver	18.00	43.00	16.00	11.00	18.00	8.40	1.80	C-RC 50/M8 DIN	3240111	100
	- 50	- 1/0	silver	18.00	43.00	16.00	11.00	18.00	10.50	1.80	C-RC 50/M10 DIN	3240112	100
	- 50	- 1/0	silver	22.00	47.00	16.00	11.00	20.00	13.00	1.80	C-RC 50/M12 DIN	3240113	100
	- 50	- 1/0	silver	28.00	54.00	16.00	11.00	24.00	17.00	1.80	C-RC 50/M16 DIN	3240114	100
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	6.50	2.00	C-RC 70/M6 DIN	3240115	100
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	8.40	2.00	C-RC 70/M8 DIN	3240116	100
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	10.50	2.00	C-RC 70/M10 DIN	3240117	100
	- 70	- 2/0	silver	22.00	49.00	18.00	13.00	20.00	13.00	2.00	C-RC 70/M12 DIN	3240118	100
	- 70	- 2/0	silver	28.00	56.00	18.00	13.00	24.00	17.00	2.00	C-RC 70/M16 DIN	3240119	100

Ring cable lugs, non-insulated





Conductor cross sections from 0.5 to 240 mm²

EAC

Technical data

General data

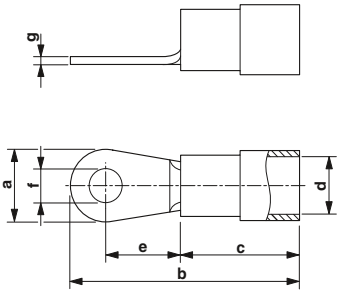
Material / coating		Copper / Tin-plated
Temperature range	[°C]	... 110

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
	95	3/0	silver	24.00	54.00	20.00	15.00	22.00	8.40	2.50	**C-RC 95/M8 DIN**	3240120	50
	95	3/0	silver	24.00	54.00	20.00	15.00	22.00	10.50	2.50	**C-RC 95/M10 DIN**	3240121	50
	95	3/0	silver	24.00	54.00	20.00	15.00	22.00	13.00	2.50	**C-RC 95/M12 DIN**	3240122	50
	95	3/0	silver	28.00	58.00	20.00	15.00	24.00	17.00	2.50	**C-RC 95/M16 DIN**	3240123	50
	120	250	silver	24.00	56.00	22.00	16.50	22.00	8.40	3.00	**C-RC 120/M8 DIN**	3240124	25
	120	250	silver	24.00	56.00	22.00	16.50	22.00	10.50	3.00	**C-RC 120/M10 DIN**	3240125	25
	120	250	silver	24.00	56.00	22.00	16.50	22.00	13.00	3.00	**C-RC 120/M12 DIN**	3240126	25
	150	300	silver	30.00	65.00	24.00	19.00	26.00	10.50	3.20	**C-RC 150/M10 DIN**	3240128	25
	150	300	silver	30.00	65.00	24.00	19.00	26.00	13.00	3.20	**C-RC 150/M12 DIN**	3240129	25
	150	300	silver	30.00	65.00	24.00	19.00	26.00	17.00	3.20	**C-RC 150/M16 DIN**	3240130	25
	185	350	silver	36.00	74.00	28.00	21.00	22.00	10.50	3.50	**C-RC 185/M10 DIN**	3240131	20
	185	350	silver	36.00	74.00	28.00	21.00	22.00	13.00	3.50	**C-RC 185/M12 DIN**	3240132	20
	185	350	silver	36.00	74.00	28.00	21.00	22.00	17.00	3.50	**C-RC 185/M16 DIN**	3240133	20
	240	500	silver	38.00	75.00	32.00	23.50	24.00	10.50	4.00	**C-RC 240/M10 DIN**	3240134	10
	240	500	silver	38.00	75.00	32.00	23.50	24.00	13.00	4.00	**C-RC 240/M12 DIN**	3240135	10
	240	500	silver	38.00	75.00	32.00	23.50	24.00	17.00	4.00	**C-RC 240/M16 DIN**	3240136	10

Ring cable lugs, insulated

- The hard-soldered crimping area guarantees the best mechanical properties and permits horizontal or even vertical crimpings
- The sleeves taper conically. This enables easy and correct conductor insertion





Conductor cross sections from 0.5 to 10 mm²

EAC

Technical data

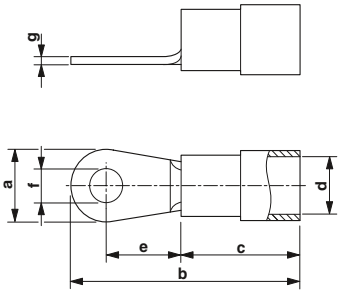
General data	
Material / coating	Copper / Tin-plated
Plastic sleeve material	Polyamide / Halogen-free
Temperature range [°C]	-20 ... 105
Inflammability class in acc. with UL 94	V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Ring cable lug, insulated, according to UL													
	0.5 - 1.5	20 - 16	red	5.50	17.50	10.50	4.10	4.30	3.20	0.75	**C-RCI 1,5/M3**	3240016	100
	0.5 - 1.5	20 - 16	red	5.50	17.50	10.50	4.10	4.30	3.70	0.75	**C-RCI 1,5/M3,5**	3240017	100
	0.5 - 1.5	20 - 16	red	8.00	21.70	10.50	4.10	7.30	4.30	0.75	**C-RCI 1,5/M4**	3240018	100
	0.5 - 1.5	20 - 16	red	8.00	21.70	10.50	4.10	7.30	5.30	0.75	**C-RCI 1,5/M5**	3240019	100
	0.5 - 1.5	20 - 16	red	11.60	27.60	10.50	4.10	11.20	6.50	0.75	**C-RCI 1,5/M6**	3240020	100
	1.5 - 2.5	16 - 14	blue	6.60	20.60	11.00	4.50	7.80	3.20	0.80	**C-RCI 2,5/M3**	3240021	100
	1.5 - 2.5	16 - 14	blue	6.60	20.60	11.00	4.50	6.30	3.70	0.80	**C-RCI 2,5/M3,5**	3240022	100
	1.5 - 2.5	16 - 14	blue	8.50	23.00	11.00	4.50	7.80	4.30	0.80	**C-RCI 2,5/M4**	3240023	100
	1.5 - 2.5	16 - 14	blue	9.50	23.00	11.00	4.50	7.30	5.30	0.80	**C-RCI 2,5/M5**	3240024	100
	1.5 - 2.5	16 - 14	blue	12.00	28.10	11.00	4.50	11.00	6.50	0.80	**C-RCI 2,5/M6**	3240025	50
	1.5 - 2.5	16 - 14	blue	12.00	28.10	11.00	4.50	11.00	8.50	0.80	**C-RCI 2,5/M8**	3240026	50
	4 - 6	12 - 10	yellow	9.50	26.70	14.00	6.60	8.00	4.30	1.00	**C-RCI 6/M4**	3240027	50
	4 - 6	12 - 10	yellow	9.50	26.70	14.00	6.60	8.00	5.30	1.00	**C-RCI 6/M5**	3240028	50
	4 - 6	12 - 10	yellow	12.00	32.70	14.00	6.60	12.70	6.50	1.00	**C-RCI 6/M6**	3240029	25
	4 - 6	12 - 10	yellow	15.00	34.90	14.00	6.60	13.40	8.50	1.00	**C-RCI 6/M8**	3240030	25
	4 - 6	12 - 10	yellow	15.00	34.90	14.00	6.60	13.40	10.50	1.00	**C-RCI 6/M10**	3240031	25
	- 10	- 8	red	10.00	31.30	16.00	7.50	10.90	5.30	1.10	**C-RCI 10/M5**	3240219	50
	- 10	- 8	red	11.00	31.30	16.00	7.50	19.30	6.50	1.10	**C-RCI 10/M6**	3240220	50
	- 10	- 8	red	14.00	37.30	16.00	7.50	13.80	8.40	1.10	**C-RCI 10/M8**	3240221	50
	- 10	- 8	red	18.00	37.30	16.00	7.50	13.80	10.50	1.10	**C-RCI 10/M10**	3240222	50

Ring cable lugs, insulated with additional crimp zone for conductor insulation

- The C-RCEI series is equipped with an additional crimp zone for conductor insulation
- The conductor and insulation are crimped together, thereby increasing the vibration resistance and tensile strength
- The sleeves taper conically. This enables easy and correct conductor insertion





Conductor cross sections from 0.5 to 6 mm²

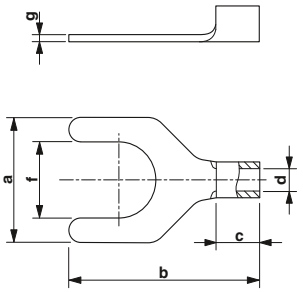
Technical data

General data		
Material / coating		Copper / Tin-plated
Plastic sleeve material		Polyamide / Halogen-free
Temperature range	[°C]	-20 ... 105
Inflammability class in acc. with UL 94		V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Ring cable lug, insulated, with additional crimp zone for conductor insulation													
	0.5 - 1.5	20 - 16	red	5.50	17.70	11.00	4.10	4.00	3.20	0.75	**C-RCEI 1,5/M3**	3241201	100
	0.5 - 1.5	20 - 16	red	6.60	20.60	11.00	4.10	6.30	3.70	0.75	**C-RCEI 1,5/M3,5**	3241202	100
	0.5 - 1.5	20 - 16	red	8.00	22.00	11.00	4.10	7.00	4.30	0.75	**C-RCEI 1,5/M4**	3241203	100
	0.5 - 1.5	20 - 16	red	8.00	22.00	11.00	4.10	7.00	5.30	0.75	**C-RCEI 1,5/M5**	3241204	100
	0.5 - 1.5	20 - 16	red	11.60	27.80	11.00	4.10	11.10	6.50	0.75	**C-RCEI 1,5/M6**	3241205	100
	1.5 - 2.5	16 - 14	blue	6.60	20.50	11.00	4.50	6.30	3.70	0.80	**C-RCEI 2,5/M3,5**	3241206	100
	1.5 - 2.5	16 - 14	blue	8.50	23.00	11.00	4.50	7.80	4.30	0.80	**C-RCEI 2,5/M4**	3241207	100
	1.5 - 2.5	16 - 14	blue	9.50	23.00	11.00	4.50	7.30	5.30	0.80	**C-RCEI 2,5/M5**	3241208	100
	1.5 - 2.5	16 - 14	blue	12.00	28.00	11.00	4.50	11.00	6.50	0.80	**C-RCEI 2,5/M6**	3241209	100
	1.5 - 2.5	16 - 14	blue	12.00	28.00	11.00	4.50	11.00	8.40	0.80	**C-RCEI 2,5/M8**	3241210	100
	4 - 6	12 - 10	yellow	9.50	26.00	13.00	6.50	8.30	5.30	1.00	**C-RCEI 6/M5**	3241211	100
	4 - 6	12 - 10	yellow	12.00	29.50	13.00	6.50	10.50	6.50	1.00	**C-RCEI 6/M6**	3241212	100
	4 - 6	12 - 10	yellow	15.00	34.20	13.00	6.50	13.70	8.40	1.00	**C-RCEI 6/M8**	3241213	100
	4 - 6	12 - 10	yellow	15.00	34.20	13.00	6.50	13.70	10.50	1.00	**C-RCEI 6/M10**	3241214	100

Fork-type cable lugs, uninsulated





Conductor cross sections from 0.5 to 6 mm²

– The fork-type cable lugs without plastic sleeve feature a hard-soldered neck. In conjunction with the CRIMPFOX−RC ... range of pliers they can be used to achieve maximum conductor pull-out forces.
– They consist of high-quality electrolytic copper with galvanic tin plating for maximum corrosion protection

EAC

Technical data

General data

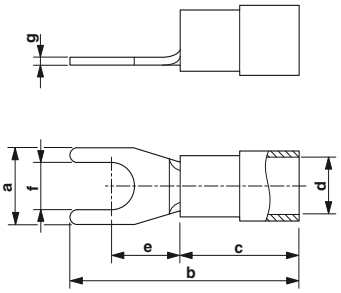
Material / coating		Copper / Tin-plated
Temperature range	[°C]	... 110

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Fork-type cable lug, non-isolated 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
	2.6 - 6	12 - 10	silver	8.20	19.50	6.50	3.60	-	4.30	1.00	**C-FC 6/M4**	3240148	50
	2.6 - 6	12 - 10	silver	9.00	19.50	6.50	3.60	-	5.30	1.00	**C-FC 6/M5**	3240149	50
	2.6 - 6	12 - 10	silver	12.00	23.10	6.50	3.60	-	6.40	1.00	**C-FC 6/M6**	3240150	50
	2.6 - 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

- The hard-soldered crimping area guarantees the best mechanical properties and permits horizontal or even vertical crimpings
- The insulated versions are halogen-free and feature "EASY ENTRY" technology





0.5 to 6 mm² conductor cross sections

EAC

Technical data

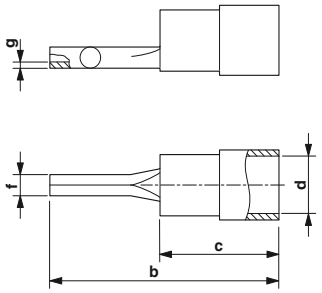
General data	
Material / coating	Copper / Tin-plated
Plastic sleeve material	Polyamide / Halogen-free
Temperature range [°C]	-20 ... 105
Inflammability class in acc. with UL 94	V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Fork-type cable lug, insulated, according to UL													
	0.5 - 1.5	20 - 16	red	5.70	22.00	10.50	4.10	-	3.20	0.75	**C-FCI 1,5/M3**	3240032	100
	0.5 - 1.5	20 - 16	red	5.70	22.00	10.50	4.10	-	3.70	0.75	**C-FCI 1,5/M3,5**	3240033	100
	0.5 - 1.5	20 - 16	red	7.20	22.00	10.50	4.10	-	4.30	0.75	**C-FCI 1,5/M4**	3240034	100
	0.5 - 1.5	20 - 16	red	8.00	22.00	10.50	4.10	-	5.30	0.75	**C-FCI 1,5/M5**	3240035	100
	0.5 - 1.5	20 - 16	red	10.70	22.00	10.50	4.10	-	6.50	0.75	**C-FCI 1,5/M6**	3240036	100
	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 pull-out forces
– Electrolytic tin plating
– Halogen-free





Conductor cross sections from 0.5 to 6 mm²

Technical data

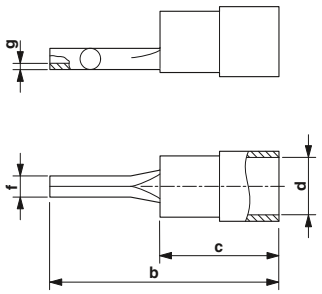
General data	
Material / coating	Copper / Tin-plated
Plastic sleeve material	Polyamide / Halogen-free
Temperature range [°C]	-20 ... 105
Inflammability class in acc. with UL 94	V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Pin cable lug, isolated 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

The key features of the insulated pin cable lugs with plastic collars are as follows:
– "EASY ENTRY" for easy and reliable conductor entry
– Hard-soldered crimping zone for maximum pull-out forces
– Electrolytic tin plating
– Halogen-free
– The conductor and insulation are crimped together, thereby increasing the vibration resistance and tensile strength





Conductor cross sections from 0.5 to 6 mm²

Technical data

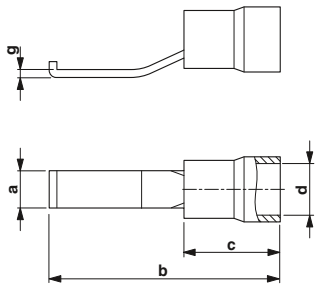
General data	
Material / coating	Copper / Tin-plated
Plastic sleeve material	Polyamide / Halogen-free
Temperature range [°C]	-20 ... 105
Inflammability class in acc. with UL 94	V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Pin cable lug,insulated, with additional crimp zone for conductor insulation													
	0.5 - 1.5	20 - 16	red	-	23.50	11.00	4.10	-	1.90	0.75	**C-PCEI 1,5/2**	3241215	100
	1.5 - 2.5	16 - 14	blue	-	23.50	11.00	4.50	-	1.90	0.80	**C-PCEI 2,5/2**	3241216	100
	4 - 6	12 - 10	yellow	-	26.70	13.00	6.50	-	2.80	0.80	**C-PCEI 6/2**	3241217	100

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

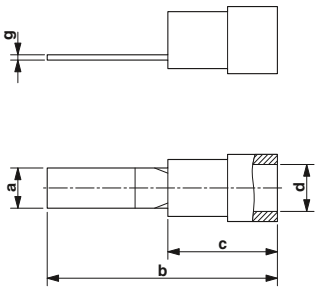
General data	
Material / coating	Copper / Tin-plated
Plastic sleeve material	Polyamide / Halogen-free
Temperature range [°C]	-20 ... 105
Inflammability class in acc. with UL 94	V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Flat pin cable lug, insulated													
	0.5 - 1.5	20 - 16	red	2.80	28.00	10.50	4.00	-	-	0.80	**C-BCI 1,5/2,8**	3240015	100
	0.5 - 1.5	20 - 16	red	4.60	28.00	10.50	4.00	-	-	0.80	**C-BCI 1,5/4,6**	3240568	100
	1.5 - 2.5	16 - 14	blue	2.80	28.50	11.00	4.50	-	-	0.80	**C-BCI 2,5/2,8**	3240046	100
	1.5 - 2.5	16 - 14	blue	4.60	28.50	11.00	4.50	-	-	0.80	**C-BCI 2,5/4,6**	3240569	100
	4 - 6	12 - 10	yellow	2.80	32.00	14.00	6.50	-	-	0.80	**C-BCI 6/2,8**	3240047	50
	4 - 6	12 - 10	yellow	4.60	32.00	14.00	6.50	-	-	1.00	**C-BCI 6/4,6**	3240570	50

Flat pin cable lugs, straight, insulated

– Easy 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

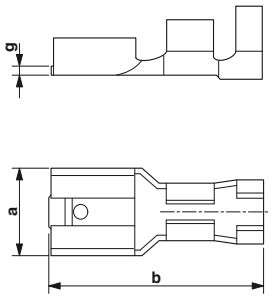
General data	
Material / coating	CU / electrogalvanized
Plastic sleeve material	Polyamide / Halogen-free
Temperature range [°C]	-20 ... 105
Inflammability class in acc. with UL 94	V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Flat pin cable lug, insulated, pin dimensions:													
19.5 x 2.8 mm	0.5 - 1.5	20 - 16	red	2.80	19.50	10.50	4.10	-	-	0.75	**C-BCSI 1,5/9X2,8**	3240531	100
20 x 2.8 mm	1.5 - 2.5	16 - 14	blue	2.80	20.00	11.00	4.50	-	-	0.80	**C-BCSI 2,5/9X2,8**	3240532	100
32 x 4.5 mm	4 - 6	12 - 10	yellow	2.80	24.00	14.00	6.60	-	-	1.00	**C-BCSI 6/10X2,8**	3240546	100
24 x 2.8 mm	4 - 6	12 - 10	yellow	4.50	32.00	14.00	6.60	-	-	1.00	**C-BCSI 6/18X4,5**	3240533	50

Slip-on sleeves and slip-on blade connectors, non-insulated

– The uninsulated slip-on sleeves and slip-on blade connectors are made from electrolytically tin-plated brass, thereby offering a high degree of protection against corrosion
– The crimp area has grooves, these improve the electrical and mechanical properties
– Halogen-free





Conductor cross sections from 0.5 to 6 mm²

EAC

Technical data

General data	
Material / coating	Brass / Tin-plated
Temperature range [°C]	... 110

Ordering data

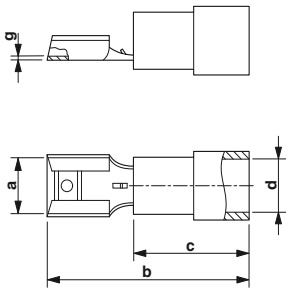
Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Slip-on sleeve, non-isolated as per DIN 46247													
	0.5 - 1	20 - 18	silver	2.80	14.50	-	-	-	-	0.30	**C-SCF 1/2,8X0,5**	3240152	100
	0.5 - 1	20 - 18	silver	2.80	12.50	-	-	-	-	0.30	**C-SCF 1/2,8X0,8**	3240153	100
	0.5 - 1.5	20 - 16	silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 1,5/4,8X0,5**	3240154	100
	0.5 - 1.5	20 - 16	silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 1,5/4,8X0,8**	3240155	100
	0.5 - 1.5	20 - 16	silver	6.30	19.20	-	-	-	-	0.40	**C-SCF 1,5/6,3X0,8**	3240156	100
	1.5 - 2.5	16 - 14	silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 2,5/4,8X0,5**	3240157	100
	1.5 - 2.5	16 - 14	silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 2,5/4,8X0,8**	3240158	100
	1.5 - 2.5	16 - 14	silver	6.30	19.20	-	-	-	-	0.40	**C-SCF 2,5/6,3X0,8**	3240159	100
	4 - 6	12 - 10	silver	6.30	19.20	-	-	-	-	0.40	**C-SCF 6/6,3X0,8**	3240160	100
Slip-on blade connector, non-isolated as per DIN 46248													
	0.5 - 1.5	20 - 16	silver	6.30	20.00	-	-	-	-	0.80	**C-SCM 1,5/6,3X0,8**	3240161	100
	1.5 - 2.5	16 - 14	silver	6.30	20.00	-	-	-	-	0.80	**C-SCM 2,5/6,3X0,8**	3240162	100

Accessories

Insulating ferrule, as touch proofness and insulation for slip-on sleeves,				
For 2.8 mm slip-on sleeves	transparent	**PT/FS 2,8**	1406700	500
For 4.8 mm slip-on sleeves	transparent	**PT/FS 4,8**	1670497	25
For 6.3 mm slip-on sleeves	transparent	**PT/FS 6,3**	0604707	500

Slip-on sleeves and slip-on blade connectors, insulated

The key features of the insulated slip-on blade connectors and slip-on sleeves with plastic collars are as follows:
– "EASY ENTRY" for easy and reliable conductor entry
– Hard-soldered crimping zone for maximum pull-out forces
– Electrolytic tin plating
– Halogen-free





Conductor cross sections from 0.5 to 6 mm²

EAC

Technical data

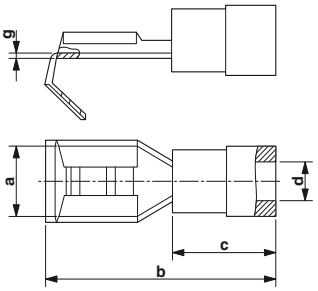
General data	
Material / coating	Brass / Tin-plated
Plastic sleeve material	Polyamide / Halogen-free
Temperature range [°C]	-20 ... 105
Inflammability class in acc. with UL 94	V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Slip-on sleeve, insulated, according to UL													
	0.5 - 1.5	20 - 16	red	2.80	18.50	10.50	4.10	-	-	0.25	**C-SCFI 1,5/2,8X0,5**	3240048	100
	0.5 - 1.5	20 - 16	red	2.80	18.50	10.50	4.10	-	-	0.25	**C-SCFI 1,5/2,8X0,8**	3240049	100
	0.5 - 1.5	20 - 16	red	4.80	19.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/4,8X0,5**	3240050	100
	0.5 - 1.5	20 - 16	red	4.80	19.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/4,8X0,8**	3240051	100
	0.5 - 1.5	20 - 16	red	6.30	21.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/6,3X0,8**	3240052	100
	1.5 - 2.5	16 - 14	blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/4,8X0,5**	3240053	50
	1.5 - 2.5	16 - 14	blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/4,8X0,8**	3240054	50
	1.5 - 2.5	16 - 14	blue	6.30	22.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/6,3X0,8**	3240055	50
	4 - 6	12 - 10	yellow	6.30	25.00	14.00	6.60	-	-	0.40	**C-SCFI 6/6,3X0,8**	3240056	50
Slip-on blade connector, insulated, according to 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"
- Electrogalvanized
- Halogen-free





Conductor cross sections from 0.5 to 2.5 mm²

Technical data

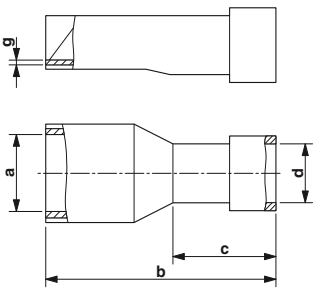
General data		
Material / coating		Brass / electrogalvanized
Plastic sleeve material		Polyamide / Halogen-free
Temperature range	[°C]	-20 ... 105
Inflammability class in acc. with UL 94		V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Slip-on distributor, insulated, for 6.3 x 0.8 mm connectors and sleeves													
	0.5 - 1.5	20 - 16	red	6.30	22.50	10.50	41.00	-	-	0.40	**C-SCFMI 1,5/6,3X0,8**	3240529	50
	1.5 - 2.5	16 - 14	blue	6.30	23.00	11.00	11.00	-	-	0.40	**C-SCFMI 2,5/6,3X0,8**	3240530	50

Slip-on sleeves, fully insulated

- Easy and reliable conductor entry thanks to "EASY ENTRY"
- Electrogalvanized
- Halogen-free





Conductor cross sections from 0.5 to 6 mm²

Technical data

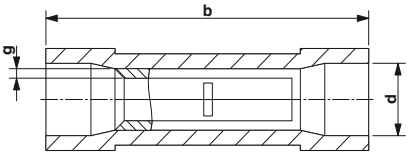
General data		
Material / coating		Brass / electrogalvanized
Plastic sleeve material		Polyamide / Halogen-free
Temperature range	[°C]	-20 ... 105

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Slip-on sleeve, for connectors:													
2.8 x 0.5 mm	0.5 - 1.5	20 - 16	red	2.80	19.00	10.50	4.30	-	-	0.25	**C-SCFFI 1,5/2,8X0,5**	3240534	50
2.8 x 0.8 mm	0.5 - 1.5	20 - 16	red	2.80	19.00	10.50	4.30	-	-	0.25	**C-SCFFI 1,5/2,8X0,8**	3240535	50
4.8 x 0.5 mm	0.5 - 1.5	20 - 16	red	4.80	19.50	10.50	4.30	-	-	0.40	**C-SCFFI 1,5/4,8X0,5**	3240536	50
4.8 x 0.8 mm	0.5 - 1.5	20 - 16	red	4.80	19.50	10.50	4.30	-	-	0.40	**C-SCFFI 1,5/4,8X0,8**	3240537	50
6.3 x 0.8 mm	0.5 - 1.5	20 - 16	red	6.30	21.50	10.50	4.30	-	-	0.40	**C-SCFFI 1,5/6,3X0,8**	3240538	50
4.8 x 0.5 mm	1.5 - 2.5	16 - 14	blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFFI 2,5/4,8X0,5**	3240539	50
4.8 x 0.8 mm	1.5 - 2.5	16 - 14	blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFFI 2,5/4,8X0,8**	3240540	50
6.3 x 0.8 mm	1.5 - 2.5	16 - 14	blue	6.30	22.00	11.00	5.00	-	-	0.40	**C-SCFFI 2,5/6,3X0,8**	3240547	25
6.3 x 0.8 mm	4 - 6	12 - 10	yellow	6.30	26.00	14.00	6.60	-	-	0.40	**C-SCFFI 6/6,3X0,8**	3240541	25

Butt connector, fully insulated

– Conductor through connection protection
– They are electrolytically galvanized for optimum corrosion protection
– Halogen-free





Conductor cross sections from 0.5 to 6 mm²

EAC

Technical data

General data		
Material / coating		CU / electrogalvanized
Plastic sleeve material		Polyamide / Halogen-free
Temperature range	[°C]	-20 ... 105
Inflammability class in acc. with UL 94		V2

Ordering data

Description	Cross section [mm²]	Cross section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs./Pkt.
Butt connector, insulated													
	0.5 - 1.5	20 - 16	red	-	25.00	-	4.00	-	-	0.75	**C-JCI 1,5**	3240061	50
	1.5 - 2.5	16 - 14	blue	-	25.30	-	4.50	-	-	0.80	**C-JCI 2,5**	3240062	50
	4 - 6	12 - 10	yellow	-	27.50	-	6.50	-	-	1.00	**C-JCI 6**	3240063	25


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Automatic devices - TOOL fox

Phoenix Contact offers a comprehensive range of innovative automatic tools for flexible and fast processing of conductors and cables where various steps can be automated.

A combination of functionality, quality, and short setup times guarantees high levels of flexibility while ensuring excellent results every time. The TOOL fox range comprises devices for cutting, stripping, and crimping conductors and cables.

Product range overview

Automatic devices	**504**
Automatic cutting device for conductors and cables	**506**
Stripping machine	**507**
Pneumatic crimping pliers	**508**
Portable crimping machine for ferrules, cable lugs, and connectors	**510**
CRIMPHANDY portable hand-held machine	**512**
Portable stripping and crimping machine for taped products	**516**
Ferrules with plastic sleeve, taped	**517**
Stripping and crimping machine for bulk goods	**518**





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 are entered via the user-friendly display. The CUTFOX 10 automatically adapts to the diameter when there is a change in material.



The WF 1000 stripping machine enables the automatic stripping of conductors with diameters up to 6 mm² or cables with diameters up to 6 mm. Partial removal of the insulation is possible.

The stripping dimensions are set individually via rotary buttons. They are shown on the display.



The Crimphandy is a portable hand-held device for stripping and crimping conductors and ferrules in one step. Automatic monitoring functions ensure permanent, high-quality crimping.



The CF 500 crimping device is characterized by a high press capacity in a compact design as well as a high degree of flexibility. Thanks to the interchangeable dies, it is suitable for insulated cable lugs, tubular cable lugs, and crimping cable lugs, among other things, as well as slip-on sleeves and ferrules up to 50 mm².



The CF 3000-2,5 stripping and crimping device processes ferrules with insulating collars according to DIN 46228−4 and UL 486F. This device allows conductors with a cross section range of 0.25 - 2.5 mm² to be stripped and fitted with ferrules in one operation. The automatic device can be adapted to various cross sections in under a minute.



The CF 1000 stripping and crimping device processes loose ferrules (bulk goods) with insulating collars according to DIN 46228−4 and UL 486F. These automatic devices allow conductors to 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
- It impresses with its easy handling and enables materials to be changed in a matter of seconds.
- The desired length and number of cuts can be specified in a user-friendly way via the display
- The drive and measurement rolls automatically adjust to each inserted diameter
- Additional inputs and settings are not necessary
- High length accuracy thanks to separate measuring and transport roll
- Light weight enables mobile use



Notes:

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



Conductor cross sections from 0.08 to 10 mm²

Technical data

Dimensions				
	[mm]	Width	Length	Height
		194	**301**	**228**
General data				
Weight	[kg]	11		
Power consumption	[VA]	150		
Cutting efficiency				
Finely stranded	[mm²]	0.08 - 10		
Solid strand	[mm²]	0.08 - 2.5		
Max. throughput	[mm]	8		
Cross section setting		automatic		
Maximum number of cuts	[Pcs.]	9999		
Length	[mm]	2 mm ... 999999 mm		
Feed rate	[m/s]	0.5		
Unit of measurement		mm/inch		
Dialog language		German / English / French / Italian		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Automatic cutting device, 100 - 240 V/50 - 60 Hz version, for conductors and cables with a diameter of up to 8 mm, solid (up to 2.5 mm²) and stranded (up to 10 mm²)	**CUTFOX 10**	1206829	1

Accessories

Cable unwinders, for CUTFOX 10, for accommodating and unwinding cable rings and coils in a coordinated way, complete	**CUTFOX 10 C-UN**	1208393	1
Turntable, for CUTFOX 10 cable unwinders, for accommodating cable rings and cable coils	**CUTFOX 10 R-C**	1208403	1
Retaining bolts, for CUTFOX 10 rotary table, 4 pcs.	**CUTFOX 10 BAR**	1208416	1
Replacement drive rollers, for CUTFOX 10, 2 pcs.	**CF-10 WHEEL SET**	1207271	1
Spare knife set, for CUTFOX 10	**CF-10 CUTTER KNIFE SET**	1207284	1
Drive rollers for CUTFOX 10, 2 pcs., with PU tread, for sensitive cables/conductors	**CF-10 WHEEL SET PU**	1200098	1
Drive rollers for CUTFOX 10, 2 pcs.,with hardened, finely knurled steel tread, for very hard insulation and materials.	**CF-10 WHEEL SET STEEL**	1200099	1

Stripping machine



- This compact stripping machine automatically insulates conductors with a cross section of 0.08 to 6 mm²
- Multi-strand cables with a diameter of up to 6 mm are also stripped
- Partial stripping is supported
- Special insulations such as PTFE and silicone can be stripped, in addition to standard insulations
- The clamping force automatically adjusts itself to the required extraction force, this reduces/prevents pressure points on sensitive insulation
- The stripping dimensions are set individually via rotary buttons. They are shown on the clear display

Notes:

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



Conductor cross sections from 0.08 to 6 mm²

Technical data

Dimensions		Width	Length	Height
	[mm]	**141**	**363**	**221**
General data				
Weight	[kg]	9.5		
Power consumption	[VA]	160		
Working cycle	[s]	0.3		
Stripping power				
Finely stranded	[mm²]	0.08 - 6		
Stripping length	[mm]	2-20		
Partial stripping length	[mm]	2-20		
Max. throughput	[mm]	6		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping machine, 230 V/50 Hz version, for conductors and cables, solid and stranded 0.08 - 6 mm² (maximum Ø 6 mm), with integrated graphic display	**WF 1000**	1212149	1
Stripping machine, 120 V/60 Hz version, for conductors and cables, solid and stranded 0.08 - 6 mm² (maximum Ø 6 mm), with integrated graphic display	**WF 1000 120V**	1212258	1

Accessories

Spare stripping knife, for WF 1000	**WF 1000/SB**	1212279	1
Actuation button for WF 1000	**WF 1000/TR**	1212416	1
Replacement receptacle tray, for WF 1000	**WF 1000/COV**	1212417	1

Pneumatic crimping pliers

– These crimping pliers are pneumatic tools for ferrules in accordance with DIN 46228-1/-4 and UL 486F with a cross section range of 0.25 to 10 mm².
– The perfect alternative to the hand pliers, which protects joints and tendons. They are light, easy to handle, and perfect for control cabinet manufacturing.
– The ZAP...T table models are designed for work at the workbench and equipped with a foot switch. This keeps both hands free for equipping the conductor.



Conductor cross sections from 0.25 to 2.5 mm²



Conductor cross section from 0.25 to 4 mm²

Technical data

Dimensions				
	[mm]	Width	Length	Height
		44	**200**	**-**
General data				
Weight	[kg]	0.45		
Conductor	[mm²] / AWG	0.25 - 2.5 / 24 - 14		
Pressure range	[bar]	4 - 6		
Air consumption per compression	[l]	0.2		
Compression		trapezoidal		

Technical data

Dimensions				
	[mm]	Width	Length	Height
		44	**200**	**-**
General data				
Weight	[kg]	0.45		
Conductor	[mm²] / AWG	0.25 - 4 / 24 - 12		
Pressure range	[bar]	4 - 6		
Air consumption per compression	[l]	0.2		
Compression		trapezoidal		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Pneumatic crimping pliers, for ferrules according to DIN 46228, universal die, lateral and front entry	**ZAP 25**	**1203110**	1
Pneumatic crimping pliers, for ferrules according to DIN 46228, three marked die stations, lateral entry			
Pneumatic crimping pliers, for ferrules according to DIN 46228, three marked die stations, lateral entry			
Pneumatic crimping pliers, for ferrules according to DIN 46228, universal die, lateral and front entry, with foot switch and table clamp			
Pneumatic crimping pliers, for ferrules according to DIN 46228, Universal die, lateral and front entry, with foot switch and table clamp			

Ordering data

Type	Order No.	Pcs./Pkt.
ZAP 40	**1212630**	1



Conductor cross sections from 4 to 10 mm²



Conductor cross sections from 0.25 to 2.5 mm²



Conductor cross sections from 4 to 10 mm²

Technical data

Width	Length	Height
44	**200**	**-**

0.45
4 - 10 / 12 - 8
4 - 6
0.2
trapezoidal

Ordering data

Type	Order No.	Pcs./Pkt.
ZAP 100	1203259	1

Technical data

Width	Length	Height
140	**200**	**70**

1.3
0.25 - 2.5 / 24 - 14
4 - 6
0.2
trapezoidal

Ordering data

Type	Order No.	Pcs./Pkt.
ZAP 25 T	1203123	1

Technical data

Width	Length	Height
140	**200**	**70**

1.3
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



A key feature of the CF 500 is its easy handling and high degree of flexibility.

A huge range of different contact types can be processed with this crimping device. Positioning aids make it easier to crimp the contacts.

– The crimp inserts can be changed quickly and easily in a matter of seconds
– The carrier handle means that it is also suitable for mobile use
– The crimping procedure is activated via a foot switch. This keeps both hands free for equipping the conductors with the appropriate contacts
– The contact is fixed in place before the crimping procedure via an additional two-stage operating mode. This makes it easier to process crimp contacts and prevents incorrect crimping

Notes:

Further dies and accessories, as well as technical data, can be found at phoenixcontact.net/products

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



Connectors up to 50 mm²

Technical data

Dimensions			
Width	Length	Height	
[mm]			
140	**220**	**320**	

General data		
Weight	[kg]	10
Power consumption	[VA]	160
Pressure	[kN]	10
Working cycle	[s]	1

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Crimping device, 230 V/50 Hz version, with quantity counter and foot switch	**CF 500-230V**	1208348	1
Crimping device, 120 V/60 Hz version, with quantity counter and foot switch	**CF 500-120V**	1208351	1

Accessories

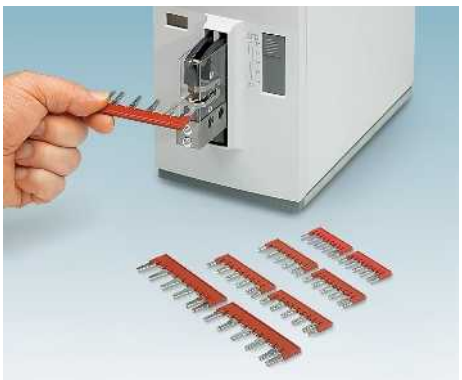
CF 500 protective cover, without recess (for all dies without assignment)	**CF 500/COV**	1212250	1
For ferrules of up to 6 mm² (AI 6...)	**CF 500/COV AI 6**	1212254	1
For TWIN ferrules (AI–TWIN...)	**CF 500/COV AI TWIN**	1212266	1
For insulated cable lugs (RCI..., TC4)	**CF 500/COV RCI**	1212255	1
For uninsulated cable lugs 0.5 - 10 mm² (RC...FC...)	**CF 500/COV RC 10**	1212252	1
For uninsulated cable lugs and tubular cable lugs 0.34 - 2.5 mm² (RC...,FC...)	**CF 500/COV RCT 4**	1212253	1
For slip-on sleeves and slip-on blade connectors SC 1,5... and SC 6...	**CF 500/COV SC**	1212251	1
For FBS ... plug-in bridges	**CF 500/COV FBS**	1212462	1
CF 500 Locator, for slip-on sleeves (SCF...), 0.1 - 1.5 mm², width: 2.8 mm, length: 5 mm	**CF 500/LOC SCF 2,8/1,5**	1212249	1
For slip-on sleeves (SCF...), width: 4.8 mm, 0.5 - 2.5 mm²	**CF 500/LOC SCF 4,8/2,5**	1212248	1
For slip-on sleeves (SCF...) width: 6.3 mm, 0.5 - 6 mm²	**CF 500/LOC SCF 6,3/6**	1212247	1
For slip-on sleeves (SCM...), width: 6.3 mm, 0.5 - 2.5 mm²	**CF 500/LOC SCM 6,3/2,5**	1212264	1
For slip-on sleeves (SCM...), width: 6.3 mm, 1.5 - 6 mm²	**CF 500/LOC SCM 6,3/6**	1212265	1

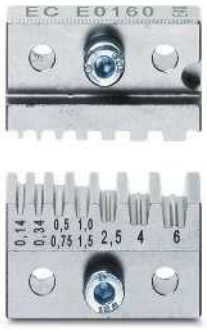
Dies for crimping machine CF 500



The large number of crimping dies makes the CF 500 an all-rounder.

– In addition to the standard dies, there are special dies, that, among other things, enable assembly of the FBS ...-4, FBS ...-5, FBS ...-6 or FBS ...-8 plug-in bridges from the CLIPLINE complete system.
– If the dies you require are not listed, please contact us.





CF 500 die,
conductor cross section 0.14 - 6 mm²

EAC

Ordering data

Description	Type	Order No.	Pcs./Pkt.
CF 500 die, For ferrules (A... and AI...) 0.14-6 mm²	**CF 500/DIE AI 6**	1212238	1
For ferrules (A... and AI...) 10, 16 and 25 mm²	**CF 500/DIE AI 25**	1212239	1
For ferrules (A... and AI...) 35 and 50 mm²	**CF 500/DIE AI 50**	1212261	1
For TWIN ferrules (AI-TWIN...) 2 x 4, 2 x 6 and 2 x 10 mm²	**CF 500/DIE AI-TWIN 10**	1212262	1
For TWIN ferrules (AI-TWIN ...) 2 x 6, 2 x 10 and 2 x 16 mm²	**CF 500/DIE AI-TWIN 16**	1200299	1
CF 500 die For insulated cable lugs (RCI... and FCI...) 0,14 - 1,5 mm²	**CF 500/DIE RCI 1,5**	1212263	1
For insulated cable lugs (RCI... and FCI...) 0,5 - 6 mm²	**CF 500/DIE RCI 6**	1212240	1
For insulated cable lugs (RCI... and FCI...) 0.5 - 6 mm² (asymmetrical crushing mold)	**CF 500/DIE RCI 6-1**	1212691	1
For cable lugs (RC... and FC...) 0.5 - 10 mm²	**CF 500/DIE RC 10**	1212244	1
For cable lugs (RC... and FC...) 16 mm²	**CF 500/DIE RC 16**	1212257	1
CF 500 die For slip-on sleeves and slip-on blade connectors (SCF... and SCM...) 0.1 - 1.5 mm²	**CF 500/DIE SC 1,5**	1212241	1
For slip-on sleeves and slip-on blade connectors (SCF... and SCM...) 0.5 - 6 mm²	**CF 500/DIE SC 6**	1212242	1
CF 500 die For turned contacts with pin diameters of 2.5 and 4.0 mm (CK 2,5…,CK 4,0) 0.5 - 4 mm²	**CF 500/DIE TC 4**	1212237	1
For turned contacts (CK 4,0) 6 - 10 mm²	**CF 500/DIE TC 10**	1212260	1
CF 500 die, for MC 4 solar contacts, 2.5 - 6 mm²	**CF 500/DIE SR 6-2**	1212692	1
CF 500 die, for uninsulated cable lugs (RC...,FC...) and tubular cable lugs 0.34 - 4 mm²			
For tubular cable lugs 0.34 - 2.5 mm² silver	**CF 500/DIE RCT 4**	1212243	1
For standard tubular cable lugs 4 - 10 mm², **4 mm²:** outer-Ø 5 mm, inner-Ø 3 mm, **6 mm²:** outer-Ø 6.5 mm, inner-Ø 3.5 mm, **10 mm²**: outer-Ø 7 mm, inner-Ø 4.5 mm silver	**CF 500/DIE RCT 10-1**	1212245	1
For tubular cable lugs 4 - 10 mm², **4 mm²:** Outside Ø 5 mm, inside Ø 3 mm, **6 mm²:** Outside Ø 5.5 mm, inside Ø 3.8 mm, **10 mm²**: Outside Ø 6 mm, inside Ø 4.5 mm silver	**CF 500/DIE RCT 10-2**	1212246	1
For tubular cable lugs 4 - 10 mm², **4 mm²:** Outside Ø 5 mm, inside Ø 3 mm, **6 mm²:** Outside Ø 6 mm, inside Ø 4 mm, **10 mm²**: Outside Ø 8 mm, inside Ø 5 mm silver	**CF 500/DIE RCT 10-3**	1212256	1
CF 500 die, for assembling FBS ... plug-in bridges			
For FBS ...-4 to -8 plug-in bridges	**CF 500/DIE FBS**	1212461	1

CRIMPHANDY, mobile crimping device, for conductor cross section 0.5 mm²

new





Conductor cross section 0.5 mm²

The CRIMPHANDY represents innovation for switchgear manufacturing. You can strip and crimp your conductors in under two seconds, using this portable hand-held device. That's 75% less time than before.

– The CRIMPHANDY impresses with its easy, effortless handling, which helps protect your joints and tendons
– The compact lightweight is ideal for mobile use in the field. Up to 2000 crimping operations can be performed thanks to the high-performance lithium-ion polymer battery
– Automatic cross section monitoring prevents faulty crimping as a result of incorrect conductor sizes
– The attachable waste receptacle collects the discarded insulation. It thereby helps to ensure a clean working environment
– The cutting unit provides a convenient option of cutting the conductors to length right at the device

Technical data

Dimensions		Width	Length	Height
	[mm]	**43**	**205**	**70**
General data				
Weight	[kg]	0.43		
Conductor	[mm²] / AWG	- 0.5 / -		
Working cycle	[s]	< 2		
Insertion length	[mm]	> 32 mm		
Compression		Square crimp		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Mobile crimping device, battery-powered, for processing 0.5 mm² reel ferrules with function end, incl. battery, charger (100 - 240 V), CUTFOX 12 cable cutter, service tool for troubleshooting and one strip of ferrules, packaged in a robust case Suitable for standard PVC conductors (H05V-K, class 5)	**CF CRIMPHANDY 0,5**	1212463	1

Accessories

Reel ferrules, with function end, 0.5 mm², 8 mm, with plastic sleeve, according to DIN 46228-4 and UL 486F, UL-certified, 50 pieces per strip, 20 strips per Pcs./Pkt.			
White, according to DIN 46228-4, UL 486F, and NFC 63-023	**AI 0,5-8 WH-S**	1212521	1000
Orange, special color	**AI 0,5-8 OG-S**	1212784	1000
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.68 Ah	**CF CRIMPHANDY/ACCU**	1212518	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	1212519	1
Replacement receptacle tray for CF CRIMPHANDY	**CF CRIMPHANDY/COVER**	1212709	1
Spare service tool, for CF CRIMPHANDY 0,5, to rectify faults	**CF CRIMPHANDY 0,5/SERVICE-TOOL**	1212787	1
Cutting unit, for CF CRIMPHANDY, for copper wires from 0.5 - 1.5 mm², incl. receptacle tray	**CF CRIMPHANDY CUTTER**	1212520	1



CRIMPHANDY, mobile crimping device, for conductor cross section 0.75 mm²



– Ferrules are automatically fed in, enabling multiple conductors to be crimped one after another without interruption. The sleeves in strip form are inserted via the integrated magazine
– The sleeves can be reloaded within a matter of seconds. The special sleeves with function end prevent incorrect insertion

The square crimp mold is particularly suited to the terminal blocks from the CLIPLINE complete system

– UT screw connection terminal blocks
– ST spring-cage connection terminal blocks
– PT Push-in connection terminal blocks
– COMBI plug-in connection solutions

new



Conductor cross section 0.75 mm²

EAC

Technical data

Dimensions		Width	Length	Height
	[mm]	**43**	**205**	**70**
General data				
Weight	[kg]	0.43		
Conductor	[mm²] / AWG	- 0.75 / -		
Working cycle	[s]	< 2		
Insertion length	[mm]	> 32 mm		
Compression		Square crimp		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Mobile crimping device, battery-powered, for processing 0.75 mm² taped ferrules with function end, incl. battery, charger (100 - 240 V), CUTFOX 12 cable cutter, service tool for troubleshooting and one strip of ferrules, packaged in a robust case			
Suitable for standard PVC conductors (H05V-K, class 5)	**CF CRIMPHANDY 0,75**	1212464	1

Accessories

Reel ferrules, with function end, 0.75 mm², 8 mm, with plastic sleeve, according to DIN 46228-4: 1990-09 and UL 486F, UL-certified, 50 pieces per strip, 20 strips per Pcs./Pkt.			
Gray, according to DIN 46228-4 and UL 486F	**AI 0,75- 8 GY-S**	1212522	1000
White, special color	**AI 0,75- 8 WH-S**	1212783	1000
Blue, in accordance with NFC 63-023	**AI 0,75- 8 BU-S**	1212785	1000
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.68 Ah	**CF CRIMPHANDY/ACCU**	1212518	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	1212519	1
Replacement receptacle tray for CF CRIMPHANDY	**CF CRIMPHANDY/COVER**	1212709	1
Spare service tool, for CF CRIMPHANDY 0,75, to rectify faults	**CF CRIMPHANDY 0,75/SERVICE-TOOL**	1212786	1
Cutting unit, for CF CRIMPHANDY, for copper wires from 0.5 - 1.5 mm², incl. receptacle tray	**CF CRIMPHANDY CUTTER**	1212520	1



CRIMPHANDY, mobile crimping device, for conductor cross section 1.0 mm²



The CRIMPHANDY represents innovation for switchgear manufacturing. You can strip and crimp your conductors in under two seconds, using this portable hand-held device. That's 75% less time than before.

- The CRIMPHANDY impresses with its easy, effortless handling, which helps protect your joints and tendons
- The compact lightweight is ideal for mobile use in the field. Up to 2000 crimping operations can be performed thanks to the high-performance lithium-ion polymer battery
- Automatic cross section monitoring prevents faulty crimping as a result of incorrect conductor sizes
- The attachable waste receptacle collects the discarded insulation. It thereby helps to ensure a clean working environment
- The cutting unit provides a convenient option of cutting the conductors to length right at the device



Notes:

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





1.0 mm² conductor cross section

Technical data

Dimensions			
	Width	Length	Height
	[mm]		
	43	**205**	**70**
General data			
Weight	[kg]	0.43	
Conductor	[mm²] / AWG	- 1 / -	
Working cycle	[s]	< 2	
Insertion length	[mm]	> 32 mm	
Compression		Square crimp	

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Portable hand-held device, battery-powered, for ferrules, 1.0 mm², incl. battery and charger, 100 - 240 V, in a robust case **Mobile crimping device, battery-powered,** for processing 1.0 mm² reel ferrules with function end, incl. battery, charger (100 - 240 V), CUTFOX 12 cable cutter, service tool for troubleshooting and one strip of ferrules, packaged in a robust case Suitable for standard PVC conductors (H05V-K, class 5)	**CF CRIMPHANDY 1,0**	1212465	1

Accessories

Reel ferrules, 1.0 mm², 8 mm, with plastic sleeve, according to DIN 46228-4, 50 pieces per strip, 20 strips per unit pack			
Red, according to DIN 46228-4 and NF C 63-023: 1994-02	**AI 1,0-8 RD-S**	1212523	1000
Yellow, special color	**AI 1,0-8 YE-S**	1212782	1000
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.68 Ah	**CF CRIMPHANDY/ACCU**	1212518	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	1212519	1
Replacement receptacle tray for CF CRIMPHANDY	**CF CRIMPHANDY/COVER**	1212709	1
Replacement service tool, for CF-CRIMPHANDY 1,0	**CF CRIMPHANDY 1,0/SERVICE-TOOL**	1212759	1
Cutting unit, for CF CRIMPHANDY, for copper wires from 0.5 - 1.5 mm², incl. receptacle tray	**CF CRIMPHANDY CUTTER**	1212520	1

CRIMPHANDY, mobile crimping device, for conductor cross section of 1.5 mm²



– Ferrules are automatically fed in, enabling multiple conductors to be crimped one after another without interruption. The sleeves in strip form are inserted via the integrated magazine
– The sleeves can be reloaded within a matter of seconds. The special sleeves with function end prevent incorrect insertion

The square crimp mold is particularly suited to the terminal blocks from the CLIPLINE complete system
– PT Push-in connection terminal blocks
– UT screw connection terminal blocks
– ST spring-cage connection terminal blocks
– COMBI plug-in connection solutions

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



1.5 mm² conductor cross section

EAC

Technical data

Dimensions		Width	Length	Height
	[mm]	**43**	**205**	**70**
General data				
Weight	[kg]	0.43		
Conductor	[mm²] / AWG	- 1.5 / -		
Working cycle	[s]	< 2		
Insertion length	[mm]	> 32 mm		
Compression		Square crimp		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Mobile crimping device, battery-powered, for processing 1.5 mm² reel ferrules with function end, incl. battery, charger (100 - 240 V), CUTFOX 12 cable cutter, service tool for troubleshooting and one strip of ferrules, packaged in a robust case			
Suitable for standard PVC conductors (H05V-K, class 5)	**CF CRIMPHANDY 1,5**	1212466	1

Accessories

Reel ferrules, 1.5 mm², 8 mm, with plastic sleeve, according to DIN 46228-4, 50 pieces per strip, 20 strips per unit pack			
Black, according to DIN 46228-4 and NF C 63-023: 1994-02	**AI 1,5-8 BK-S**	1212524	1000
Red, special color	**AI 1,5-8 RD-S**	1212781	1000
Replacement battery, for CF CRIMPHANDY..., Li-ion 7.4 V, 0.68 Ah	**CF CRIMPHANDY/ACCU**	1212518	1
Replacement charger, for CF CRIMPHANDY..., 100 - 240 V AC	**CF CRIMPHANDY/CHARGER**	1212519	1
Replacement receptacle tray for CF CRIMPHANDY	**CF CRIMPHANDY/COVER**	1212709	1
Spare service tool, for CF-CRIMPHANDY 1,5, to rectify faults	**CF CRIMPHANDY 1,5/SERVICE-TOOL**	1212708	1
Cutting unit, for CF CRIMPHANDY, for copper wires from 0.5 - 1.5 mm², incl. receptacle tray	**CF CRIMPHANDY CUTTER**	1212520	1



Portable automatic stripping and crimping device for taped products



- The compact stripping and crimping device can be used to process reel ferrules with insulating collars according to DIN 46228−4 / UL 486F
- Up to 1000 conductors are processed each hour
- The conductor is stripped in a single operation and is crimped with a ferrule to a high standard of quality
- Particularly suitable for pre-assembling conductors
- Thanks to its compact and lightweight design, it can also be used as a portable solution for transport between different work locations
- The automatic device can be adapted to various cross sections in under a minute
- Color coding in accordance with ferrule standard DIN 46228−4 / UL 486F makes the assignment of modification components really clear

The matching reel ferrules are suitable for use on all terminal blocks, particularly those 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 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		
Insertion length	[mm]	> 49 mm		
Compression		trapezoidal		

Ordering data

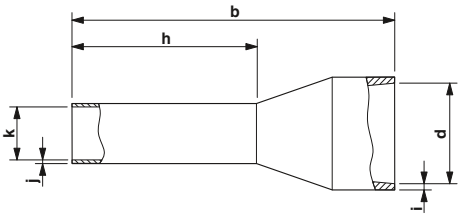
Description	Type	Order No.	Pcs./Pkt.
Stripping and crimping device, 230 V version, for taped insulated ferrules 0.25 – 2.5 mm², sleeve length 8 mm, incl. conversion kits 0.5 – 2.5 mm²	**CF 3000-2,5**	**1205477**	1
Stripping and crimping device, 120 V version, for taped insulated ferrules 0.25 – 2.5 mm², sleeve length 8 mm, incl. conversion kits 0.5 – 2.5 mm²	**CF 3000-2,5 120V**	**1205516**	1

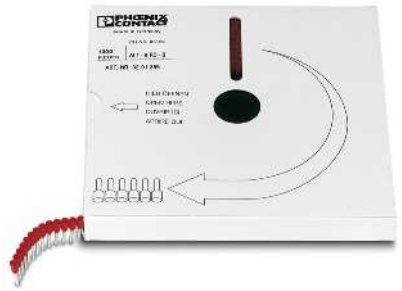
Accessories

Extension kit, complete, for CF 3000, for taped insulated ferrules, 0.25/0.34 mm², sleeve length 8 mm	**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
- UL and CSA-certified
- Available in the main color codes up to 2.5 mm²
- The ferrules correspond to the requirements of DIN 46228-4: 1990-09 and UL 486F
- Can be used to wire all terminal blocks, especially those of the CLIPLINE complete system





Conductor cross sections from 0.25 to 8 mm²

Notes:

[1]) These ferrules are not included in DIN 46228-1: 1990-09 and UL 486F.

[2]) These ferrules are not UL certified

Technical data

General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	polypropylene / free from silicone and halogen
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.
Reel ferrules, 8 mm, with plastic sleeve, according to **DIN 46228-4: 1990-09** and **UL 486F,** UL and CSA certified,													
	0.5	20	white	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH-B**	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
Reel ferrules, 8 mm, with plastic sleeve, according to **DIN 46228-4: 1990-09** and **UL 486F,** UL and CSA certified, color code according to NF C 63-023													
	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	blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU-B**	3201547	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	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[1])	24[2])	yellow	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,25-8 YE-B**	3240251	1000
	0.25[1])	24[2])	blue	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,25-8 BU-B**	3240250	1000
	0.34[1])	22[2])	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 device for loose ferrules



The stripping and crimping device can be used to process loose ferrules from 0.25 to 4 mm² with insulating collars according to DIN 46228−4 / UL 486F.
The optimized sensor technology has improved the processing of small cross sections.

– The conductor is stripped and crimped with a ferrule to a high standard of quality in a single step, which enables up to 1000 conductors to be processed per hour
– With the integrated counter, you get an overview of the quantities
– The pull-out forces conform to the requirements of IEC/EN 60999 and IEC/EN 60947
– The press unit is switched off at the touch of a button so that the CF 1000 can be used as a stripping machine
– A cross section change can be carried out in just a few steps without any need for tools. The sleeve length can be easily set with a screwdriver. Additional settings are not necessary. You can order additional feeder bowls as accessories for an even faster cross section change
– Robust design, suitable for industrial bulk processing
– High reliability thanks to maintenance and wear-free components
– Additional feeder bowls make the cross section change even quicker

Notes:

Accessories and replacement parts for older device versions can be found at phoenixcontact.net/products.



Conductor cross sections from 0.25 to 4 mm²

Technical data

Dimensions		Width	Length	Height
	[mm]	**250**	**550**	**412**
General data				
Weight	[kg]	29		
Power supply	[V]	100 ... 240 , 50 Hz ... 60 Hz		
Pressure range	[bar]	5 - 6		
Air consumption per compression	[l]	1.2		
Working cycle	[s]	1.3		
Insertion length	[mm]	> 32 mm		
Compression		trapezoidal		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping and crimping device, 100 - 240 V version, electro-pneumatic, for loose ferrules with insulating collar, 0.25 – 4 mm², incl. conversion kits 0.5 – 1.5 mm² (sleeve length 6 - 12 mm)	**CF 1000-1,5**	**1208199**	1

Accessories

Extension kit, complete, for CF 1000, for loose ferrules with insulating collar, from serial number 160637			
0.25/0.34 mm², sleeve length 6 and 8 mm	**CF 1000-TOOLKIT 0,34/6-8**	**1208226**	1
2.5 mm², sleeve length 6 to 12 mm	**CF 1000-TOOLKIT 2,5/6-12**	**1208242**	1
4 mm², sleeve length 10 mm	**CF 1000-TOOLKIT 4,0/10**	**1208271**	1
Spare knife, V-form, for CF 1000			
0.25 to 2.5 mm²	**CF 1000 EM**	**1205215**	1
4 mm²	**CF 1000 EM4,0**	**1212663**	1
Extension components for processing AI...GB sleeves and conductors with thicker insulation. (from device serial number 160637)			
Separation plate, for AI...GB, 0.5 to 1.5 mm²	**CF 1000 VEP1,5 GB**	**1206901**	1
Sleeve receiver, for AI...GB 0.5 mm² sleeves	**CF 1000 LOC0,5 GB**	**1212907**	1
for AI...GB 0.75 mm² sleeves	**CF 1000 LOC0,75 GB**	**1212908**	1
for AI...GB 1.0 mm² sleeves	**CF 1000 LOC1,0 GB**	**1212909**	1
for AI...GB 1.5 mm² sleeves	**CF 1000 LOC1,5 GB**	**1212910**	1
Replacement feeder bowl, for CF 1000-1,5			
0.25 - 0.34 mm² sleeves	**CF 1000 SORT0,34**	**1206890**	1
0.50 - 1.5 mm² sleeves	**CF 1000 SORT1,5**	**1204326**	1
2.5 and 4.0 mm² sleeves	**CF 1000 SORT4,0**	**1206887**	1

Stripping and crimping device for loose ferrules



The CF 1000-10 processes loose ferrules from 4 - 10 mm² with plastic collars according to DIN 46228-4 / UL 486F

– The conductor is stripped and crimped with a ferrule to a high standard of quality in a single step, which enables up to 1000 conductors to be processed per hour
– With the integrated counter, you get an overview of the quantities
– The cross section change can be carried out in just a few steps without any need for tools. The sleeve length can be easily set with a screwdriver. Additional settings are not necessary
– The pull-out forces conform to the requirements of IEC/EN 60999 and IEC/EN 60947



Conductor cross section of 4 / 6 / 10 mm²

Technical data

Dimensions		Width	Length	Height
	[mm]	**250**	**550**	**412**
General data				
Weight	[kg]	29		
Power supply	[V]	100 ... 240 , 50 Hz ... 60 Hz		
Pressure range	[bar]	5 - 6		
Air consumption per compression	[l]	1.2		
Working cycle	[s]	1.5		
Insertion length	[mm]	> 40 mm		
Compression		trapezoidal		

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Stripping and crimping machine, 100 - 240 V version, electro-pneumatic, for loose ferrules with insulating collar, 4 mm², 6 mm², and 10 mm² (sleeve lengths 10 - 12 mm), without conversion kit	**CF 1000-10**	1212456	1

Accessories

Conversion kit, complete, for CF 1000-10, for loose ferrules with insulating collar			
4 mm², sleeve length 10 - 12 mm	**CF 1000-10-TOOLKIT 4/10-12**	1212458	1
6 mm², sleeve length 12 mm	**CF 1000-10-TOOLKIT 6/12**	1212459	1
10 mm², sleeve length 12 mm	**CF 1000-10-TOOLKIT 10/12**	1212460	1
Replacement knife, V-form, for CF 1000-10			
4 mm²	**CF 1000 EM4,0**	1212663	1
6 mm²	**CF 1000-10 EM6,0**	1212664	1
10 mm²	**CF 1000-10 EM10**	1212665	1



Installation and mounting material - CABINET add-on

The CABINET add-on range includes junction boxes as well as mounting material and assembly equipment.

The new CLIPSAFE housing product range provides comprehensive protection for your applications in industrial environments and in process technology. You can obtain the CLIPSAFE empty enclosure completely equipped with terminal blocks and cable glands on request. The housings are supplied with corresponding device approval for use in potentially explosive areas. Our worldwide sales network offers you professional customer support and short delivery times.

Your web code: #0140

The installation of switchgear and control cabinets need not be time- and space-consuming if suitable mounting devices are used. We offer a comprehensive range of products for this.

DIN rails and end brackets, for example, ensure the secure attachment of electrical connecting elements and components inside the control cabinet.

Additional security is assured by cover profiles, while shield connection clamps enable EMC-compliant wiring.

We offer a comprehensive selection of cable protection systems and wiring channels, right through to cable binders for any application.

Product range overview

CLIPSAFE junction boxes and empty enclosures **522**

Ex stainless steel empty enclosures **524**
Ex polyester empty enclosures **534**
Polyester empty enclosures **542**
ABS junctions boxes **550**
Ex cable glands **554**

Component mounting

NS 15, NS 35, and NS 32 DIN rails **566**
End brackets for DIN rails **582**
Marking for terminal block strips **584**
Brackets for mounting on DIN rails **588**
Adapter and support bracket **589**
Covering hoods **590**

Busbars

Neutral busbar **596**
Power and branch terminals **597**
Connection terminal blocks for busbars **598**

Connection terminal blocks and sockets

Europe connectors **600**
Junction box connectors **604**
Sockets **606**

Shielding

Shield connection clamps **612**
Supports **614**

Cable management

Cable routing **622**

Cable ducts **623**
Cable clamps for DIN rail **627**

Cable protection

Protective hoses and screw connections **628**
Accessories **646**

Cable bundling

Cable binders **652**

CLIPSAFE junction boxes and empty enclosures



Your web code: #0140



Ex stainless steel empty enclosures

The stainless steel Ex enclosure product range provides comprehensive protection for your applications in industrial environments and in process technology. The product range consists of standardized enclosures in sizes up to 1000 mm x 1000 mm x 300 mm. On request, we can expand the enclosures into ATEX- and IECEx-approved junction boxes.



Ex polyester empty enclosure

The comprehensive range of polyester Ex enclosures provides comprehensive protection for your applications in Ex areas. On request, we can expand the enclosures into ATEX- and IECEx-approved junction boxes.



Polyester empty enclosure

The extensive standard polyester enclosure range provides robust standard enclosures for industrial environments as well as for non-potentially explosive areas in the process industry. The enclosures are expanded in line with your requirements into junction boxes and control boxes.



Empty enclosure

Select the ideal enclosure for your application. Custom dimensions and surface treatments are available on request. For applications in the Ex area, the enclosures are supplied with corresponding component approval in accordance with ATEX or IECEx.



Empty enclosures customized according to customer specifications

We can customize the enclosures according to your specifications with threads, bore holes, and rectangular cutouts. The Ex standards according to ATEX and IECEx are taken into consideration. The enclosures are supplied with corresponding component approval.



Junction boxes assembled according to customer specifications

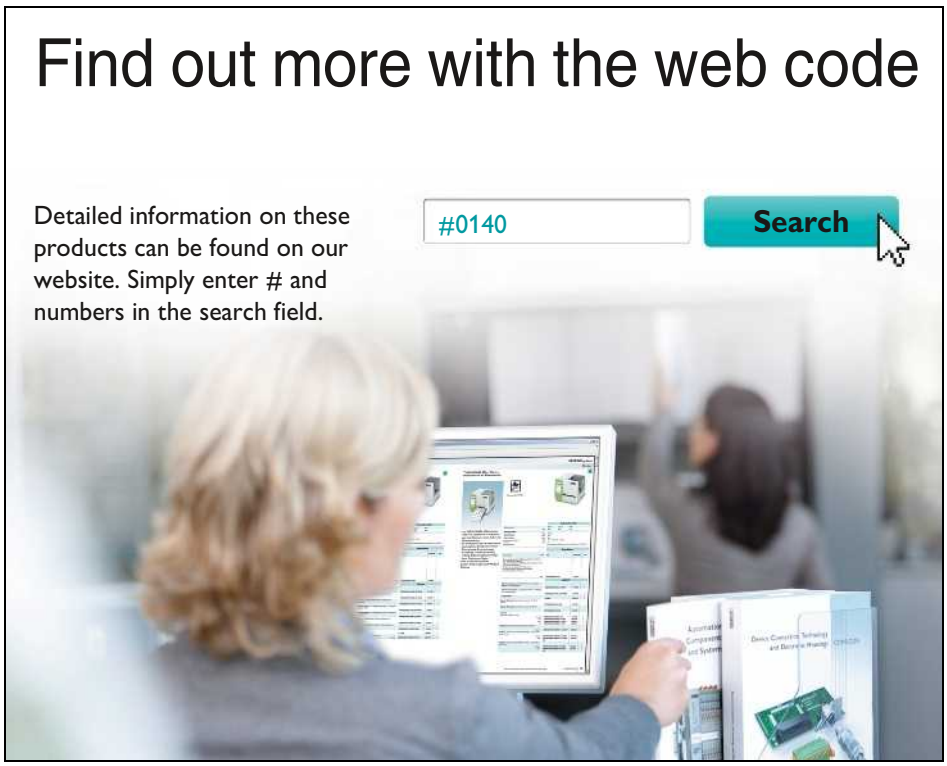
If desired, you can obtain the CLIPSAFE empty enclosure completely equipped with components and cable glands. For use in potentially explosive areas, the junction boxes are supplied with corresponding equipment approval according to ATEX and IECEx.



Customer-specific solutions

To obtain a quick quote for your customized junction box and enclosure solution, please fill out the request form on the website. You can easily describe your requirements using the form. We will then prepare an individual quote based on the information provided. Just enter the web code into the search field on our website.

Your web code: #0851



Ex stainless steel empty enclosures

Empty enclosure, depth of 80 - 120 mm

- Defined stops and the special design of the seal support ensure optimum seal compression. They thereby fulfill the high requirements in terms of sealing for the housing
- As of 160 mm depth (C), four housing sides can be assembled with flange plates
- The stainless steel marking label supplied as standard is fitted on the outside away from the seal area in the bore holes provided
- The patented protective seal frame protects the flange plate seal against external influences
- Additional ground bolts are attached to the door and housing for easy door stop replacement
- The housing has a large mounting opening for convenient assembly of the junctions boxes. The flat seal edge protects against injury during installation and when carrying out maintenance and servicing

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

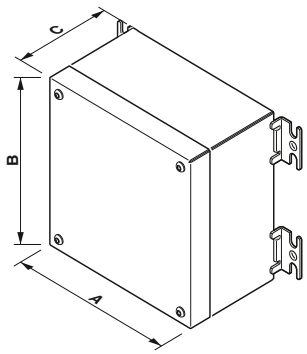
Marking

Baseefa 14 ATEX 0393U
IECEx BAS 14.0179U
Ex II 2 G Ex e IIC Gb
Ex II 2 D Ex tb IIIC Db
-55°C ≤ Ta ≤ +135 °C Type IP66

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Notes:
Detailed installation and assembly instructions for use in Ex areas: see installation instructions and the download area for the item at www.phoenixcontact.net/products.
Torque values for all mounting screws are documented in the installation instructions supplied as standard and in the product area of the website at www.phoenixcontact.net/products.
In the case of sides with a length of ≥ 600 mm, the material thickness increases to 2 mm.
1) Matching stainless steel labels: EMP-V4A Lid-S - 0839005 and EMP-V4A Lid-S CUS - 0839006.



new



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

Ex:
Baseefa14ATEX0393U

Technical data

Sealing material		Silicone
Scope of supply		Mounting plate , fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes
Degree of protection		IP66
Impact strength	[J]	7
Surface characteristics		brushed , 240 grain
Temperature resistance	[°C]	-55 ... 135
Type of locking		Screw-on cover , Allen screws
Housing fixing		External fixing clips
Material strength	[mm]	1.5

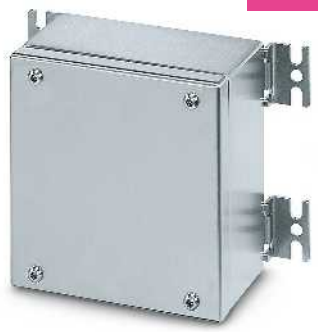
Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box , stainless steel AISI 316 L / 1.4404, without mounting plate	100 x 100 x 80	**E S6 A 100X100X80**	0899000	1
	150 x 100 x 80	**E S6 A 150X100X80**	0899001	1
	200 x 100 x 80	**E S6 A 200X100X80**	0899002	1
	120 x 120 x 100	**E S6 A 120X120X100**	0899009	1
Junction box , stainless steel AISI 316 L / 1.4404, with mounting plate	150 x 150 x 80			
	200 x 150 x 80			
	300 x 150 x 80			
	400 x 150 x 80			
	200 x 200 x 80			
	300 x 200 x 80			
	150 x 150 x 100			
	200 x 200 x 120			
	300 x 200 x 120			
	400 x 200 x 120			
	600 x 200 x 120			
	200 x 300 x 120			
	300 x 300 x 120			
Junction box , stainless steel AISI 304 / 1.4301, without mounting plate	100 x 100 x 80	**E S4 A 100X100X80**	0899550	1
	150 x 100 x 80	**E S4 A 150X100X80**	0899551	1
	200 x 100 x 80	**E S4 A 200X100X80**	0899552	1
	120 x 120 x 100	**E S4 A 120X120X100**	0899559	1
Junction box , stainless steel AISI 304 / 1.4301, with mounting plate	150 x 150 x 80			
	200 x 150 x 80			
	300 x 150 x 80			
	400 x 150 x 80			
	200 x 200 x 80			
	300 x 200 x 80			
	150 x 150 x 100			
	200 x 200 x 120			
	200 x 300 x 120			
	300 x 200 x 120			
	300 x 300 x 120			
	400 x 200 x 120			
	600 x 200 x 120			

Accessories

Stainless steel label, unmarked, 70 x 50 x 1 mm	silver	**EMP-V4A CS LID-S**	0839005	10

new



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

Ex: Baseefa14ATEX0393U Baseefa15ATEX0057X

Technical data

Silicone
Mounting plate , fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes

IP66
7
brushed , 240 grain
-55 ... 135
Screw-on cover , Allen screws
External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
E S6 A 150X150X80[1)]	0899003	1
E S6 A 200X150X80[1)]	0899004	1
E S6 A 300X150X80[1)]	0899005	1
E S6 A 400X150X80[1)]	0899006	1
E S6 A 200X200X80	0899007	1
E S6 A 300X200X80	0899008	1
E S4 A 150X150X80	0899553	1
E S4 A 200X150X80	0899554	1
E S4 A 300X150X80	0899555	1
E S4 A 400X150X80	0899556	1
E S4 A 200X200X80	0899557	1
E S4 A 300X200X80	0899558	1

Accessories

EMP-V4A CS LID	0839003	10

new



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

Ex: Baseefa14ATEX0393U Baseefa15ATEX0057X

Technical data

Silicone
Mounting plate , fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes

IP66
7
brushed , 240 grain
-55 ... 135
Screw-on cover , Allen screws
External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
E S6 A 150X150X100	0899010	1
E S4 A 150X150X100	0899560	1

Accessories

EMP-V4A CS LID	0839003	10

new



Depth of 120 mm, housing with cover screwed in place, without flange, with mounting plate

Ex: Baseefa14ATEX0393U Baseefa15ATEX0057X

Technical data

Silicone
Mounting plate , fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes

IP66
7
brushed , 240 grain
-55 ... 135
Screw-on cover , Allen screws
External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
E S6 A 200X200X120	0899011	1
E S6 A 300X200X120	0899012	1
E S6 A 400X200X120	0899013	1
E S6 A 600X200X120	0899014	1
E S6 A 200X300X120	0899015	1
E S6 A 300X300X120	0899016	1
E S4 A 200X200X120	0899561	1
E S4 A 200X300X120	0899565	1
E S4 A 300X200X120	0899562	1
E S4 A 300X300X120	0899566	1
E S4 A 400X200X120	0899563	1
E S4 A 600X200X120	0899564	1

Accessories

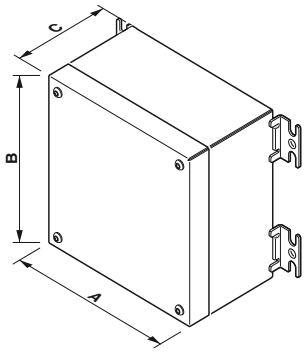
EMP-V4A CS LID	0839003	10

Ex stainless steel empty enclosures

Empty enclosure, depth of 160 mm

new

- Defined stops and the special design of the seal support ensure optimum seal compression. They thereby fulfill the high requirements in terms of sealing for the housing
- As of 160 mm depth (C), four housing sides can be assembled with flange plates
- The stainless steel marking label supplied as standard is fitted on the outside away from the seal area in the bore holes provided
- The patented protective seal frame protects the flange plate seal against external influences
- Additional ground bolts are attached to the door and housing for easy door stop replacement
- The housing has a large mounting opening for convenient assembly of the junctions boxes. The flat seal edge protects against injury during installation and when carrying out maintenance and servicing





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

Ex:
Baseefa14ATEX0393U Baseefa15ATEX0057X

Technical data

Sealing material		Silicone
Scope of supply		Mounting plate , Fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes
Degree of protection		IP66
Impact strength	[J]	7
Surface characteristics		brushed , 240 grain
Temperature resistance	[°C]	-55 ... 135
Type of locking		Screw-on cover , Allen screws
Housing fixing		External fixing clips
Material strength	[mm]	1.5

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box , stainless steel AISI 316 L / 1.4404, with mounting plate	200 x 200 x 160	**E S6 A 200X200X160**	0899017	1
	260 x 260 x 160	**E S6 A 260X260X160**	0899019	1
	400 x 260 x 160	**E S6 A 400X260X160**	0899021	1
	200 x 300 x 160	**E S6 A 200X300X160**	0899023	1
	300 x 300 x 160	**E S6 A 300X300X160**	0899025	1
	400 x 300 x 160	**E S6 A 400X300X160**	0899027	1
	260 x 380 x 160	**E S6 A 260X380X160**	0899029	1
	380 x 380 x 160	**E S6 A 380X380X160**	0899031	1
	500 x 400 x 160	**E S6 A 500X400X160**	0899033	1
	382 x 458 x 160	**E S6 A 382X458X160**	0899035	1
	480 x 480 x 160	**E S6 A 480X480X160**	0899037	1
	300 x 500 x 160	**E S6 A 300X500X160**	0899039	1
	400 x 500 x 160	**E S6 A 400X500X160**	0899041	1
	350 x 500 x 160	**E S6 A 350X500X160**	0899043	1
	450 x 620 x 160	**E S6 A 450X620X160**	0899045	1
Junction box , stainless steel AISI 304 / 1.4301, with mounting plate	200 x 200 x 160	**E S4 A 200X200X160**	0899567	1
	200 x 300 x 160	**E S4 A 200X300X160**	0899579	1
	260 x 260 x 160	**E S4 A 260X260X160**	0899571	1
	260 x 380 x 160	**E S4 A 260X380X160**	0899591	1
	300 x 300 x 160	**E S4 A 300X300X160**	0899583	1
	300 x 500 x 160	**E S4 A 300X500X160**	0899611	1
	350 x 500 x 160	**E S4 A 350X500X160**	0899619	1
	380 x 380 x 160	**E S4 A 380X380X160**	0899595	1
	382 x 458 x 160	**E S4 A 382X458X160**	0899603	1
	400 x 260 x 160	**E S4 A 400X260X160**	0899575	1
	400 x 300 x 160	**E S4 A 400X300X160**	0899587	1
	400 x 500 x 160	**E S4 A 400X500X160**	0899615	1
	450 x 620 x 160	**E S4 A 450X620X160**	0899623	1
	480 x 480 x 160	**E S4 A 480X480X160**	0899607	1
	500 x 400 x 160	**E S4 A 500X400X160**	0899599	1

Accessories

Torque screwdrivers, adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Screw bit, hexagonal, E6.3-1/4" drive, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173, size: hex 3 x 50 mm	silver	**SF-BIT-HEX 3-50**	1212647	5
Size: hex 4 x 50 mm	silver	**SF-BIT-HEX 4-50**	1212648	5
Stainless steel label, unmarked, 70 x 50 x 1 mm	silver	**EMP-V4A CS LID**	0839003	10

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

Marking

Baseefa 14 ATEX 0393U
IECEx BAS 14.0179U
Ex II 2 G Ex e IIC Gb
Ex II 2 D Ex tb IIIC Db
-55°C ≤ Ta ≤ +135 °C Type IP66

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Notes:
Detailed installation and assembly instructions for use in Ex areas: see installation instructions and the download area for the item at www.phoenixcontact.net/products.
Torque values for all mounting screws are documented in the installation instructions supplied as standard and in the product area of the website at www.phoenixcontact.net/products.
In the case of sides with a length of ≥ 600 mm, the material thickness increases to 2 mm.

new



Depth of 160 mm, housing with cover screwed in place, with flange plates on the bottom, with mounting plate

Ex:
Baseefa14ATEX0393U Baseefa15ATEX0057X

Technical data

Silicone
Mounting plate , Fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes , Flange plates

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

External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
E1 S6 A 200X200X160	0899018	1
E1 S6 A 260X260X160	0899020	1
E1 S6 A 400X260X160	0899022	1
E1 S6 A 200X300X160	0899024	1
E1 S6 A 300X300X160	0899026	1
E1 S6 A 400X300X160	0899028	1
E1 S6 A 260X380X160	0899030	1
E1 S6 A 380X380X160	0899032	1
E1 S6 A 500X400X160	0899034	1
E1 S6 A 382X458X160	0899036	1
E1 S6 A 480X480X160	0899038	1
E1 S6 A 300X500X160	0899040	1
E1 S6 A 400X500X160	0899042	1
E1 S6 A 350X500X160	0899044	1
E1 S6 A 450X620X160	0899046	1
E1 S4 A 200X200X160	0899568	1
E1 S4 A 200X300X160	0899580	1
E1 S4 A 260X260X160	0899572	1
E1 S4 A 260X380X160	0899592	1
E1 S4 A 300X300X160	0899584	1
E1 S4 A 300X500X160	0899612	1
E1 S4 A 350X500X160	0899620	1
E1 S4 A 380X380X160	0899596	1
E1 S4 A 382X458X160	0899604	1
E1 S4 A 400X260X160	0899576	1
E1 S4 A 400X300X160	0899588	1
E1 S4 A 400X500X160	0899616	1
E1 S4 A 450X620X160	0899624	1
E1 S4 A 480X480X160	0899608	1
E1 S4 A 500X400X160	0899600	1

Accessories

TSD-M 6NM	1212226	1
SF-BIT-HEX 3-50	1212647	5
SF-BIT-HEX 4-50	1212648	5
EMP-V4A CS LID	0839003	10

new



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

Ex:
Baseefa14ATEX0393U Baseefa14ATEX0393U

Technical data

Silicone
Door hinge with quarter turn locking , Mounting plate , Double-bit key , Fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes

IP66
7
brushed , 240 grain
-55 ... 135
Door with replaceable hinge , Quarter turn locking with two-way key bit

External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
C S6 A 200X200X160	0899047	1
C S6 A 260X260X160	0899049	1
C S6 A 400X260X160	0899051	1
C S6 A 200X300X160	0899053	1
C S6 A 300X300X160	0899055	1
C S6 A 400X300X160	0899057	1
C S6 A 260X380X160	0899059	1
C S6 A 380X380X160	0899061	1
C S6 A 500X400X160	0899063	1
C S6 A 382X458X160	0899065	1
C S6 A 480X480X160	0899067	1
C S6 A 300X500X160	0899069	1
C S6 A 400X500X160	0899071	1
C S6 A 350X500X160	0899073	1
C S6 A 450X620X160	0899075	1
C S4 A 200X200X160	0899569	1
C S4 A 200X300X160	0899581	1
C S4 A 260X260X160	0899573	1
C S4 A 260X380X160	0899593	1
C S4 A 300X300X160	0899585	1
C S4 A 300X500X160	0899613	1
C S4 A 350X500X160	0899621	1
C S4 A 380X380X160	0899597	1
C S4 A 382X458X160	0899605	1
C S4 A 400X260X160	0899577	1
C S4 A 400X300X160	0899589	1
C S4 A 400X500X160	0899617	1
C S4 A 450X620X160	0899625	1
C S4 A 480X480X160	0899609	1
C S4 A 500X400X160	0899601	1

Accessories

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

new



Depth of 160 mm, cabinet with door hinge, with flange plates below, with mounting plate

Ex:
Baseefa14ATEX0393U Baseefa14ATEX0393U

Technical data

Silicone
Door hinge with quarter turn locking , Mounting plate , Double-bit key , Fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes , Flange plates

IP66
7
brushed , 240 grain
-55 ... 135
Door with replaceable hinge , Quarter turn locking with two-way key bit

External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
C1 S6 A 200X200X160	0899048	1
C1 S6 A 260X260X160	0899050	1
C1 S6 A 400X260X160	0899052	1
C1 S6 A 200X300X160	0899054	1
C1 S6 A 300X300X160	0899056	1
C1 S6 A 400X300X160	0899058	1
C1 S6 A 260X380X160	0899060	1
C1 S6 A 380X380X160	0899062	1
C1 S6 A 500X400X160	0899064	1
C1 S6 A 382X458X160	0899066	1
C1 S6 A 480X480X160	0899068	1
C1 S6 A 300X500X160	0899070	1
C1 S6 A 400X500X160	0899072	1
C1 S6 A 350X500X160	0899074	1
C1 S6 A 450X620X160	0899076	1
C1 S4 A 200X200X160	0899570	1
C1 S4 A 200X300X160	0899582	1
C1 S4 A 260X260X160	0899574	1
C1 S4 A 260X380X160	0899594	1
C1 S4 A 300X300X160	0899586	1
C1 S4 A 300X500X160	0899614	1
C1 S4 A 350X500X160	0899622	1
C1 S4 A 380X380X160	0899598	1
C1 S4 A 382X458X160	0899606	1
C1 S4 A 400X260X160	0899578	1
C1 S4 A 400X300X160	0899590	1
C1 S4 A 400X500X160	0899618	1
C1 S4 A 450X620X160	0899626	1
C1 S4 A 480X480X160	0899610	1
C1 S4 A 500X400X160	0899602	1

Accessories

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

Junction box markinges, depth of 200 mm

- Defined stops and the special design of the seal support ensure optimum seal compression. They thereby fulfill the high requirements in terms of sealing for the housing
- As of 160 mm depth (C), four housing sides can be assembled with flange plates
- The stainless steel marking label supplied as standard is fitted on the outside away from the seal area in the bore holes provided
- The patented protective seal frame protects the flange plate seal against external influences
- Additional ground bolts are attached to the door and housing for easy door stop replacement
- The housing has a large mounting opening for convenient assembly of the junctions boxes. The flat seal edge protects against injury during installation and when carrying out maintenance and servicing

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

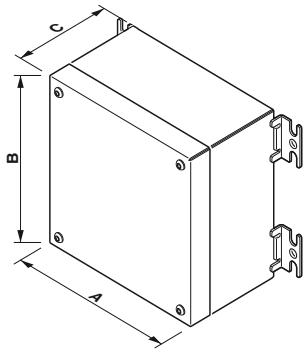
Marking

Baseefa 14 ATEX 0393U
IECEx BAS 14.0179U
Ex II 2 G Ex e IIC Gb
Ex II 2 D Ex tb IIIC Db
-55°C ≤ Ta ≤ +135 °C Type IP66

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Notes:
Detailed installation and assembly instructions for use in Ex areas: see installation instructions and the download area for the item at www.phoenixcontact.net/products.
Torque values for all mounting screws are documented in the installation instructions supplied as standard and in the product area of the website at www.phoenixcontact.net/products.
In the case of sides with a length of ≥ 600 mm, the material thickness increases to 2 mm.



new



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

Ex:
Baseefa14ATEX0393U Baseefa15ATEX0057X

Technical data

Sealing material		Silicone
Scope of supply		Mounting plate , Fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes
Degree of protection		IP66
Impact strength	[J]	7
Surface characteristics		brushed , 240 grain
Temperature resistance	[°C]	-55 ... 135
Type of locking		Screw-on cover , Allen screws
Housing fixing		External fixing clips
Material strength	[mm]	1.5

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box , AISI 316L / 1.4404 stainless steel, with cover screwed in place	260 x 300 x 200	**E S6 A 260X300X200**	0899077	1
	300 x 300 x 200	**E S6 A 300X300X200**	0899078	1
	300 x 400 x 200	**E S6 A 300X400X200**	0899079	1
	400 x 400 x 200	**E S6 A 400X400X200**	0899080	1
Junction box , AISI 316L / 1.4404 stainless steel, with door and twist lock	260 x 300 x 200			
	300 x 300 x 200			
	600 x 400 x 200			
Junction box , AISI 304 / 1.4301 stainless steel, with cover screwed in place	260 x 300 x 200	**E S4 A 260X300X200**	0899627	1
	300 x 300 x 200	**E S4 A 300X300X200**	0899629	1
	300 x 400 x 200	**E S4 A 300X400X200**	0899631	1
	400 x 400 x 200	**E S4 A 400X400X200**	0899632	1
Junction box , AISI 304 / 1.4301 stainless steel, with door and twist lock	260 x 300 x 200			
	300 x 300 x 200			
	600 x 400 x 200			

Accessories

Torque screwdrivers, adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Screw bit, hexagonal, E6.3-1/4" drive, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173, size: hex 3 x 50 mm	silver	**SF-BIT-HEX 3-50**	1212647	5
Size: hex 4 x 50 mm	silver	**SF-BIT-HEX 4-50**	1212648	5
Stainless steel label, unmarked, 70 x 50 x 1 mm	silver	**EMP-V4A CS LID**	0839003	10

new



Depth of 200 mm, cabinet with door hinge, without flange plates, with mounting plate

Ex:
Baseefa14ATEX0393U Baseefa15ATEX0057X

Technical data

Silicone
Door hinge with quarter turn locking , Mounting plate , Double-bit key , Fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes

IP66
7
brushed , 240 grain
-55 ... 135
Door with replaceable hinge , Quarter turn locking with two-way key bit
External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
C S6 A 260X300X200	**0899081**	1
C S6 A 300X300X200	**0899082**	1
C S6 A 600X400X200	**0899083**	1
C S4 A 260X300X200	**0899628**	1
C S4 A 300X300X200	**0899630**	1
C S4 A 600X400X200	**0899633**	1

Accessories

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

Ex stainless steel empty enclosures

Empty enclosure, depth of 210 mm

new

- Defined stops and the special design of the seal support ensure optimum seal compression. They thereby fulfill the high requirements in terms of sealing for the housing
- As of 160 mm depth (C), four housing sides can be assembled with flange plates
- The stainless steel marking label supplied as standard is fitted on the outside away from the seal area in the bore holes provided
- The patented protective seal frame protects the flange plate seal against external influences
- Additional ground bolts are attached to the door and housing for easy door stop replacement
- The housing has a large mounting opening for convenient assembly of the junctions boxes. The flat seal edge protects against injury during installation and when carrying out maintenance and servicing

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

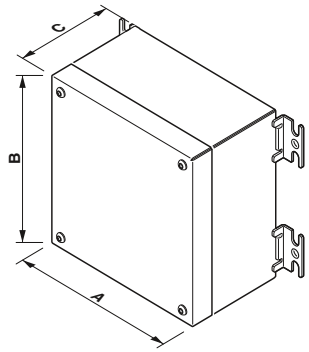
Marking

Baseefa 14 ATEX 0393U
IECEx BAS 14.0179U
Ex II 2 G Ex e IIC Gb
Ex II 2 D Ex tb IIIC Db
-55°C ≤ Ta ≤ +135 °C Type IP66

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Notes:
Detailed installation and assembly instructions for use in Ex areas: see installation instructions and the download area for the item at www.phoenixcontact.net/products.
Torque values for all mounting screws are documented in the installation instructions supplied as standard and in the product area of the website at www.phoenixcontact.net/products.
In the case of sides with a length of ≥ 600 mm, the material thickness increases to 2 mm.





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

Ex:
Baseefa14ATEX0393U Baseefa15ATEX0057X

Technical data

Sealing material		Silicone
Scope of supply		Door hinge with quarter turn locking , Mounting plate , Double-bit key, Fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes
Degree of protection		IP66
Impact strength	[J]	7
Surface characteristics		brushed , 240 grain
Temperature resistance	[°C]	-55 ... 135
Type of locking		Door with replaceable hinge , Quarter turn locking with two-way key bit
Housing fixing		External fixing clips
Material strength	[mm]	1.5

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box , AISI 316L / 1.4404 stainless steel, with door and twist lock	260 x 260 x 210	**C S6 A 260X260X210**	0899084	1
	300 x 300 x 210	**C S6 A 300X300X210**	0899087	1
	260 x 380 x 210	**C S6 A 260X380X210**	0899090	1
	600 x 400 x 210	**C S6 A 600X400X210**	0899093	1
	382 x 458 x 210	**C S6 A 382X458X210**	0899096	1
	480 x 480 x 210	**C S6 A 480X480X210**	0899099	1
	350 x 500 x 210	**C S6 A 350X500X210**	0899102	1
	600 x 600 x 210	**C S6 A 600X600X210**	0899105	1
	450 x 620 x 210	**C S6 A 450X620X210**	0899108	1
	550 x 740 x 210	**C S6 A 550X740X210**	0899111	1
	508 x 762 x 210	**C S6 A 508X762X210**	0899114	1
	640 x 860 x 210	**C S6 A 640X860X210**	0899117	1
	610 x 914 x 210	**C S6 A 610X914X210**	0899120	1
	740 x 980 x 210	**C S6 A 740X980X210**	0899123	1
Junction box , AISI 304 / 1.4301 stainless steel, with door and twist lock	260 x 260 x 210	**C S4 A 260X260X210**	0899634	1
	260 x 380 x 210	**C S4 A 260X380X210**	0899640	1
	300 x 300 x 210	**C S4 A 300X300X210**	0899637	1
	350 x 500 x 210	**C S4 A 350X500X210**	0899652	1
	382 x 458 x 210	**C S4 A 382X458X210**	0899646	1
	450 x 620 x 210	**C S4 A 450X620X210**	0899658	1
	480 x 480 x 210	**C S4 A 480X480X210**	0899649	1
	508 x 762 x 210	**C S4 A 508X762X210**	0899664	1
	550 x 740 x 210	**C S4 A 550X740X210**	0899661	1
	600 x 400 x 210	**C S4 A 600X400X210**	0899643	1
	600 x 600 x 210	**C S4 A 600X600X210**	0899655	1
	610 x 914 x 210	**C S4 A 610X914X210**	0899670	1
	640 x 860 x 210	**C S4 A 640X860X210**	0899667	1
	740 x 980 x 210	**C S4 A 740X980X210**	0899673	1

Accessories

Torque screwdrivers, adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Screw bit, hexagonal, E6.3-1/4" drive, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173, size: hex 3 x 50 mm	silver	**SF-BIT-HEX 3-50**	1212647	5
Size: hex 4 x 50 mm	silver	**SF-BIT-HEX 4-50**	1212648	5
Stainless steel label, unmarked, 70 x 50 x 1 mm	silver	**EMP-V4A CS DOOR**	0839001	10

new



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

Ex:
Baseefa14ATEX0393U Baseefa15ATEX0057X

Technical data

Silicone
Door hinge with quarter turn locking , Mounting plate , Double-bit key, Fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes , Flange plates

IP66
7
brushed , 240 grain
-55 ... 135
Door with replaceable hinge , Quarter turn locking with two-way key bit
External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
C1 S6 A 260X260X210	0899085	1
C1 S6 A 300X300X210	0899088	1
C1 S6 A 260X380X210	0899091	1
C1 S6 A 600X400X210	0899094	1
C1 S6 A 382X458X210	0899097	1
C1 S6 A 480X480X210	0899100	1
C1 S6 A 350X500X210	0899103	1
C1 S6 A 600X600X210	0899106	1
C1 S6 A 450X620X210	0899109	1
C1 S6 A 550X740X210	0899112	1
C1 S6 A 508X762X210	0899115	1
C1 S6 A 640X860X210	0899118	1
C1 S6 A 610X914X210	0899121	1
C1 S6 A 740X980X210	0899124	1
C1 S4 A 260X260X210	0899635	1
C1 S4 A 260X380X210	0899641	1
C1 S4 A 300X300X210	0899638	1
C1 S4 A 350X500X210	0899653	1
C1 S4 A 382X458X210	0899647	1
C1 S4 A 450X620X210	0899659	1
C1 S4 A 480X480X210	0899650	1
C1 S4 A 508X762X210	0899665	1
C1 S4 A 550X740X210	0899662	1
C1 S4 A 600X400X210	0899644	1
C1 S4 A 600X600X210	0899656	1
C1 S4 A 610X914X210	0899671	1
C1 S4 A 640X860X210	0899668	1
C1 S4 A 740X980X210	0899674	1

Accessories

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

new



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

Ex:
Baseefa14ATEX0393U Baseefa15ATEX0057X

Technical data

Silicone
Door hinge with quarter turn locking , Mounting plate , Double-bit key, Fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes

IP66
7
brushed , 240 grain
-55 ... 135
Door with replaceable hinge , Quarter turn locking with two-way key bit
External fixing clips
1.5

Ordering data

Type	Order No.	Pcs./Pkt.
C3 S6 A 260X260X210	0899086	1
C3 S6 A 300X300X210	0899089	1
C3 S6 A 260X380X210	0899092	1
C3 S6 A 600X400X210	0899095	1
C3 S6 A 382X458X210	0899098	1
C3 S6 A 480X480X210	0899101	1
C3 S6 A 350X500X210	0899104	1
C3 S6 A 600X600X210	0899107	1
C3 S6 A 450X620X210	0899110	1
C3 S6 A 550X740X210	0899113	1
C3 S6 A 508X762X210	0899116	1
C3 S6 A 640X860X210	0899119	1
C3 S6 A 610X914X210	0899122	1
C3 S6 A 740X980X210	0899125	1
C3 S4 A 260X260X210	0899636	1
C3 S4 A 260X380X210	0899642	1
C3 S4 A 300X300X210	0899639	1
C3 S4 A 350X500X210	0899654	1
C3 S4 A 382X458X210	0899648	1
C3 S4 A 450X620X210	0899660	1
C3 S4 A 480X480X210	0899651	1
C3 S4 A 508X762X210	0899666	1
C3 S4 A 550X740X210	0899663	1
C3 S4 A 600X400X210	0899645	1
C3 S4 A 600X600X210	0899657	1
C3 S4 A 610X914X210	0899672	1
C3 S4 A 640X860X210	0899669	1
C3 S4 A 740X980X210	0899675	1

Accessories

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

Empty enclosure, depth of 240 mm, 260 mm, and 300 mm

- Defined stops and the special design of the seal support ensure optimum seal compression. They thereby fulfill the high requirements in terms of sealing for the housing
- As of 160 mm depth (C), four housing sides can be assembled with flange plates
- The stainless steel marking label supplied as standard is fitted on the outside away from the seal area in the bore holes provided
- The patented protective seal frame protects the flange plate seal against external influences
- Additional ground bolts are attached to the door and housing for easy door stop replacement
- The housing has a large mounting opening for convenient assembly of the junctions boxes. The flat seal edge protects against injury during installation and when carrying out maintenance and servicing

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

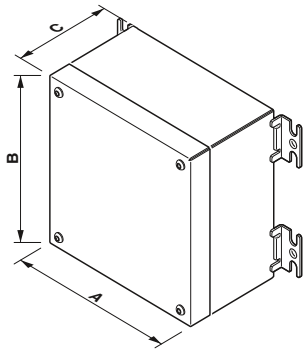
Marking

Baseefa 14 ATEX 0393U
IECEx BAS 14.0179U
Ex II 2 G Ex e IIC Gb
Ex II 2 D Ex tb IIIC Db
-55°C ≤ Ta ≤ +135 °C Type IP66

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Notes:
Detailed installation and assembly instructions for use in Ex areas: see installation instructions and the download area for the item at www.phoenixcontact.net/products.
Torque values for all mounting screws are documented in the installation instructions supplied as standard and in the product area of the website at www.phoenixcontact.net/products.
In the case of sides with a length of ≥ 600 mm, the material thickness increases to 2 mm.



new



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

Ex:
Baseefa14ATEX0393U Baseefa14ATEX0393U

Technical data

Sealing material		Silicone
Scope of supply		Door hinge with quarter turn locking , Mounting plate , Double-bit key, Fixing anglnting screws , M12 grounding bolts, affixed externally , Installation notese with mou
Degree of protection		IP66
Impact strength	[J]	7
Surface characteristics		brushed , 240 grain
Temperature resistance	[°C]	-55 ... 135
Type of locking		Door with replaceable hinge , Quarter turn locking with two-way key bit
Housing fixing		External fixing clips
Material strength	[mm]	2

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box ,AISI 316L / 1.4404 stainless steel, with door and twist lock, without flange, including mounting plate	600 x 650 x 240	**C S6 A 600X650X240**	0899126	1
	400 x 650 x 260			
	600 x 600 x 300			
	508 x 762 x 300			
	600 x 800 x 300			
	800 x 800 x 300			
	740 x 980 x 300			
	1000 x 1000 x 300			
Junction box ,AISI 316L / 1.4404 stainless steel, with door and twist lock, incl. flange and mounting plate	600 x 600 x 300			
	508 x 762 x 300			
	600 x 800 x 300			
	800 x 800 x 300			
	740 x 980 x 300			
	1000 x 1000 x 300			
Junction box ,AISI 304 / 1.4301 stainless steel, with door and twist lock, without flange, incl. mounting plate	600 x 650 x 240	**C S4 A 600X650X240**	0899676	1
	400 x 650 x 260			
	508 x 762 x 300			
	600 x 600 x 300			
	600 x 800 x 300			
	740 x 980 x 300			
	800 x 800 x 300			
	1000 x 1000 x 300			
Junction box ,AISI 304 / 1.4301 stainless steel, with door and twist lock, incl. flange and mounting plate	508 x 762 x 300			
	600 x 600 x 300			
	600 x 800 x 300			
	740 x 980 x 300			
	800 x 800 x 300			
	1000 x 1000 x 300			

Accessories

Stainless steel label, unmarked, 70 x 50 x 1 mm	silver	**EMP-V4A CS DOOR**	0839001	10

new



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

Ex:
Baseefa14ATEX0393U Baseefa14ATEX0393U

Technical data

Silicone
Door hinge with quarter turn locking , Mounting plate , Double-bit key, Fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes

IP66
7
brushed , 240 grain
-55 ... 135
Door with replaceable hinge , Quarter turn locking with two-way key bit
External fixing clips
2

Ordering data

Type	Order No.	Pcs./Pkt.
C S6 A 400X650X260	0899127	1
C S4 A 400X650X260	0899677	1

Accessories

EMP-V4A CS DOOR	0839001	10

new



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

Ex:
Baseefa14ATEX0393U Baseefa14ATEX0393U

Technical data

Silicone
Door hinge with quarter turn locking , Mounting plate , Double-bit key, Fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes

IP66
7
brushed , 240 grain
-55 ... 135
Door with replaceable hinge , Quarter turn locking with two-way key bit
External fixing clips
2

Ordering data

Type	Order No.	Pcs./Pkt.
C S6 A 600X600X300	0899128	1
C S6 A 508X762X300	0899130	1
C S6 A 600X800X300	0899132	1
C S6 A 800X800X300	0899134	1
C S6 A 740X980X300	0899136	1
C S6 A 1000X1000X300	0899138	1
C S4 A 508X762X300	0899680	1
C S4 A 600X600X300	0899678	1
C S4 A 600X800X300	0899682	1
C S4 A 740X980X300	0899686	1
C S4 A 800X800X300	0899684	1
C S4 A 1000X1000X300	0899688	1

Accessories

EMP-V4A CS DOOR	0839001	10

new



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

Ex:
Baseefa14ATEX0393U Baseefa14ATEX0393U

Technical data

Silicone
Door hinge with quarter turn locking , Mounting plate , Double-bit key, Fixing angle with mounting screws , M12 grounding bolts, affixed externally , Installation notes , Flange plates

IP66
7
brushed , 240 grain
-55 ... 135
Door with replaceable hinge , Quarter turn locking with two-way key bit
External fixing clips
2

Ordering data

Type	Order No.	Pcs./Pkt.
C1 S6 A 600X600X300	0899129	1
C1 S6 A 508X762X300	0899131	1
C1 S6 A 600X800X300	0899133	1
C1 S6 A 800X800X300	0899135	1
C1 S6 A 740X980X300	0899137	1
C1 S6 A 1000X1000X300	0899139	1
C1 S4 A 508X762X300	0899681	1
C1 S4 A 600X600X300	0899679	1
C1 S4 A 600X800X300	0899683	1
C1 S4 A 740X980X300	0899687	1
C1 S4 A 800X800X300	0899685	1
C1 S4 A 1000X1000X300	0899689	1

Accessories

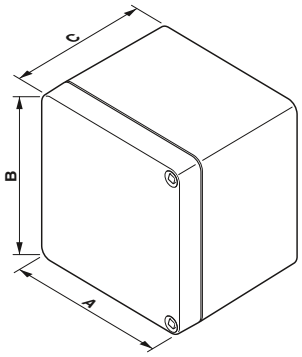
EMP-V4A CS DOOR	0839001	10

Ex polyester empty enclosure

Empty enclosure with door

new







Junction box

- Easy door mounting, with spring-mounted hinge pins, means the door can be removed without tools
- Mounting brackets with turning protection can be flexibly adapted to the installation situation
- Comprehensive, optional accessories for customer-specific junctions boxes: grounding bolts, various locking systems in the shape of triangle bit, square bit, double bit, and T-handle can be supplied

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Technical data

Material		Glass-fiber-reinforced polyester with added graphite
Sealing material		Silicone
Scope of supply		Door hinge with 8 mm square lock
Degree of protection		IP66
Impact strength	[J]	7 according to EN 60079-0
Temperature resistance	[°C]	-55 ... 127
Type of locking		Door , Square lock
Housing fixing		External fixing clips
Material strength	[mm]	

Description	Dimension A x B x C [mm]
Junction box	200 x 200 x 171
	300 x 200 x 171
	305 x 405 x 202
	405 x 605 x 252

Ordering data

Type	Order No.	Pcs./Pkt.
C PX A 200X200X168	0899331	1
C PX A 200X300X168	0899332	1
C PX A 405X305X202	0899333	1
C PX A 605X405X252	0899334	1

Accessories

Metal control cabinet key, for all common types of closure: 3 - 5 mm two-way key bit, 5, 6, 7 - 8, 9 - 10 mm square, 7, 8 - 9, 10 - 11 mm triangle, 6 mm special	**SF-CCK 9**	1212525	1
Control cabinet key, for all common control cabinets, closures: 5, 6, 7-8 mm, square, 7-8 mm triangle, 3-5 mm two-way key bit	**USS 4**	1203149	1

new



Mounting plate

new



Fixing bracket

Technical data	
Steel, galvanized	
-	
-	
-	
-	
-	
- , -	
-	
2	

Technical data	
Stainless steel	
-	
-	
-	
-	
-	
- , -	
-	
-	

Ordering data

Type	Order No.	Pcs./Pkt.
AE MP SH CP 200X200	**0899447**	1
AE MP SH CP 200X300	**0899448**	1
AE MP SH CP 300X400	**0899445**	1
AE MP SH CP 400X600	**0899446**	1

Ordering data

Type	Order No.	Pcs./Pkt.
AE EMB CP 2	**0899522**	1
AE EMB CP 2	**0899522**	1
AE EMB CP 1	**0899521**	1
AE EMB CP 1	**0899521**	1

Accessories

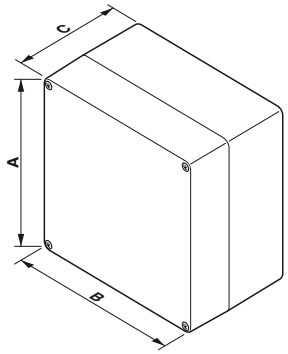
Accessories

Ex polyester empty enclosure

Empty enclosure with cover

new







Junction box

- Mounting brackets with turning protection can be flexibly adapted to the installation situation
- Direct wall mounting option, thanks to fixing channels outside the sealing area, protected by the cover
- The mounting screws made from stainless steel are captively integrated into the cover
- Comprehensive, ideal range of accessories for customer-specific junctions boxes: lateral joints, metal bracket (offshore plate) for shielding and grounding, grounding bolts, protective conductor busbars, precise DIN rails

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Technical data

Material		Glass-fiber-reinforced polyester with added graphite
Sealing material		Silicone
Degree of protection		IP66
Impact strength	[J]	7 according to EN 60079-0
Temperature resistance	[°C]	-55 ... 127
Type of locking		Screw-on cover , Plus/minus screw
Housing fixing		External fixing clips available as an option
Material strength	[mm]	

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box	75 x 80 x 56	**E PX A 75X80X56**	0899300	1
	75 x 80 x 75	**E PX A 75X80X75**	0899301	1
	75 x 110 x 56	**E PX A 75X110X56**	0899302	1
	75 x 110 x 75	**E PX A 75X110X75**	0899303	1
	75 x 160 x 56	**E PX A 75X160X56**	0899304	1
	75 x 160 x 75	**E PX A 75X160X75**	0899305	1
	75 x 190 x 56	**E PX A 75X190X56**	0899306	1
	75 x 190 x 75	**E PX A 75X190X75**	0899307	1
	75 x 230 x 56	**E PX A 75X230X56**	0899308	1
	75 x 230 x 75	**E PX A 75X230X75**	0899309	1
	120 x 122 x 91	**E PX A 120X122X91**	0899310	1
	120 x 220 x 91	**E PX A 120X220X91**	0899311	1
	160 x 160 x 91	**E PX A 160X160X91**	0899312	1
	160 x 260 x 91	**E PX A 160X260X91**	0899313	1
	160 x 360 x 91	**E PX A 160X360X91**	0899314	1
	160 x 560 x 91	**E PX A 160X560X91**	0899315	1
	250 x 255 x 121	**E PX A 250X255X121**	0899316	1
	250 x 255 x 161	**E PX A 250X255X161**	0899317	1
	250 x 400 x 121	**E PX A 250X400X121**	0899318	1
	250 x 400 x 161	**E PX A 250X400X161**	0899319	1
	250 x 600 x 121	**E PX A 250X600X121**	0899320	1
	360 x 360 x 91	**E PX A 360X360X91**	0899321	1
	405 x 400 x 121	**E PX A 405X400X121**	0899322	1
	405 x 400 x 201	**E PX A 405X400X201**	0899323	1

Accessories

Torque screwdrivers, adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Screw bit	silver	**SF-BIT-PHSL 2-70**	1212601	5



new



Mounting plate

new



Fixing bracket

Technical data	
Steel, galvanized	
-	
-	
-	
-	
- , -	
-	
2	

Technical data	
Stainless steel	
-	
-	
-	
-	
- , -	
-	
-	

Ordering data

Type	Order No.	Pcs./Pkt.
AE MP SH EP 75X80	0899429	1
AE MP SH EP 75X80	0899429	1
AE MP SH EP 75X110	0899430	1
AE MP SH EP 75X110	0899430	1
AE MP SH EP 75X160	0899431	1
AE MP SH EP 75X160	0899431	1
AE MP SH EP 75X190	0899432	1
AE MP SH EP 75X190	0899432	1
AE MP SH EP 120X122	0899434	1
AE MP SH EP 120X220	0899435	1
AE MP SH EP 160X160	0899436	1
AE MP SH EP 160X260	0899437	1
AE MP SH EP 160X360	0899438	1
AE MP SH EP 160X560	0899439	1
AE MP SH EP 250X255	0899440	1
AE MP SH EP 250X255	0899440	1
AE MP SH EP 250X400	0899441	1
AE MP SH EP 250X400	0899441	1
AE MP SH EP 250X600	0899442	1
AE MP SH EP 360X360	0899443	1
AE MP SH EP 405X400	0899444	1
AE MP SH EP 405X400	0899444	1

Accessories

Ordering data

Type	Order No.	Pcs./Pkt.
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 1	0899519	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1
AE EMB EP 2	0899520	1

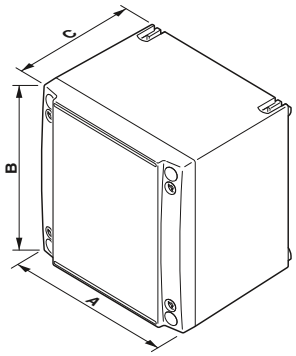
Accessories

Ex polyester empty enclosure

Empty enclosure with two wiring levels

new







Junction box

- Save space, thanks to a second wiring level. The height of the top mounting frame can be individually adjusted
- Direct wall mounting option, thanks to fixing channels outside the sealing area, protected by the cover
- Retaining bands secure the cover when opening
- The mounting screws made from stainless steel are captively integrated into the cover
- Comprehensive, ideal range of accessories for customer-specific junctions boxes: assembly frames, metal bracket (offshore plate) for shielding and grounding, grounding bolts, protective conductor busbars, precise DIN rails, retaining bands

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Technical data

Material		Glass-fiber-reinforced polyester with added graphite
Sealing material		Silicone
Degree of protection		IP66
Impact strength	[J]	7 according to EN 60079-0
Temperature resistance	[°C]	-55 ... 127
Type of locking		Screw-on cover , Plus/minus screw
Housing fixing		Integrated blind hole
Material strength	[mm]	

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box	177 x 177 x 145	**D PX A 177X177X145**	0899324	1
	360 x 177 x 145	**D PX A 360X177X145**	0899325	1
	360 x 360 x 145	**D PX A 360X360X145**	0899326	1

Accessories

Torque screwdrivers, adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Screw bit	silver	**SF-BIT-PHSL 2-70**	1212601	5



new



Mounting plate

Technical data

Steel, galvanized

-
-
-
-
- , -
-
2

Ordering data

Type	Order No.	Pcs./Pkt.
AE MP SH DP 177X177	**0899453**	1
AE MP SH DP 360X177	**0899454**	1
AE MP SH DP 360X360	**0899455**	1

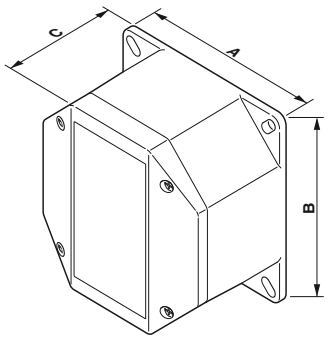
Accessories

Ex polyester empty enclosure

Octagonal empty enclosure

new







Junction box

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

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Technical data

Material		Glass-fiber-reinforced polyester with added graphite
Sealing material		Silicone
Degree of protection		IP66
Impact strength	[J]	7 according to EN 60079-0
Temperature resistance	[°C]	-55 ... 127
Type of locking		Screw-on cover , Plus/minus screw
Housing fixing		Integrated external fixing clip

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box	81 x 81 x 75	**O PX A 81X81X75**	0899327	1
	121 x 121 x 75	**O PX A 121X121X75**	0899328	1
	161 x 161 x 93	**O PX A 161X161X93**	0899329	1
	200 x 200 x 125	**O PX A 200X200X125**	0899330	1

Accessories

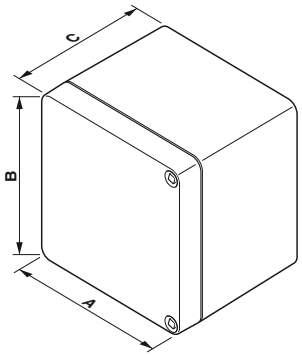
Torque screwdrivers, adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Screw bit	silver	**SF-BIT-PHSL 2-70**	1212601	5

Polyester empty enclosure

Empty enclosure with door

new







Junction box

- Easy door mounting, with spring-mounted hinge pins, means the door can be removed without tools
- Mounting brackets with turning protection can be flexibly adapted to the installation situation
- Comprehensive, optional accessories for customer-specific junctions boxes: grounding bolts, various locking systems in the shape of triangle bit, square bit, double bit, and T-handle can be supplied

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Technical data

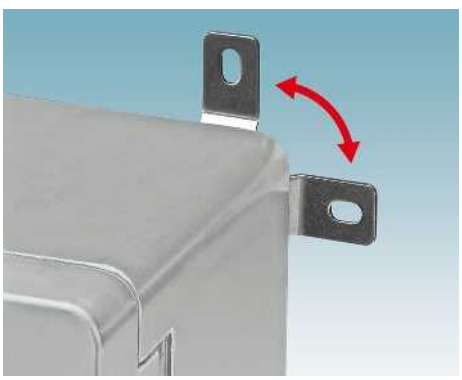
Material		Polyester fiberglass reinforced
Sealing material		Chloroprene
Degree of protection		IP66
Impact strength	[J]	7 according to EN 60079-0
Temperature resistance	[°C]	-40 ... 80
Type of locking		Door , Door lock not supplied as standard
Housing fixing		External fixing clips
Material strength	[mm]	

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box	201 x 123 x 101	**C PE A 120X200X100**	0899369	1
	261 x 163 x 101	**C PE A 160X260X100**	0899370	1
	341 x 163 x 101	**C PE A 160X340X100**	0899371	1
	151 x 203 x 101	**C PE A 200X150X100**	0899372	1
	200 x 200 x 171	**C PE A 200X200X170**	0899373	1
	300 x 200 x 171	**C PE A 200X300X170**	0899374	1
	305 x 405 x 202	**C PE A 300X400X200**	0899365	1
	405 x 605 x 252	**C PE A 400X600X250**	0899366	1

Accessories

Metal control cabinet key, for all common types of closure: 3 - 5 mm two-way key bit, 5, 6, 7 - 8, 9 - 10 mm square, 7, 8 - 9, 10 - 11 mm triangle, 6 mm special	**SF-CCK 9**	1212525	1
Control cabinet key, for all common control cabinets, closures: 5, 6, 7-8 mm, square, 7-8 mm triangle, 3-5 mm two-way key bit	**USS 4**	1203149	1
Mounting plate silver	**AE MP SH CP 120X200**	0899449	1



new



Closure system, 8 mm square

Technical data
PA
-
-
-
-
- , -
-
-

Ordering data		
Type	**Order No.**	Pcs./Pkt.
AE LOS CP SQ 8MM	**0899517**	1
AE LOS CP SQ 8MM	**0899517**	1
AE LOS CP SQ 8MM	**0899517**	1
AE LOS CP SQ 8MM	**0899517**	1
AE LOS CP SQ 8MM	**0899517**	1
AE LOS CP SQ 8MM	**0899517**	1
AE LO CP SQ 8MM	**0899511**	1
AE LO CP SQ 8MM	**0899511**	1

Accessories		

new



Mounting plate

Technical data
Steel, galvanized
-
-
-
-
- , -
-
2

Ordering data		
Type	**Order No.**	Pcs./Pkt.
AE MP SH CP 120X200	**0899449**	1
AE MP SH CP 160X260	**0899450**	1
AE MP SH CP 160X340	**0899451**	1
AE MP SH CP 200X150	**0899452**	1
AE MP SH CP 200X200	**0899447**	1
AE MP SH CP 200X300	**0899448**	1
AE MP SH CP 300X400	**0899445**	1
AE MP SH CP 400X600	**0899446**	1

Accessories		

new



Fixing bracket

Technical data
Stainless steel
-
-
-
-
- , -
-
-

Ordering data		
Type	**Order No.**	Pcs./Pkt.
AE EMB CP 2	**0899522**	1
AE EMB CP 2	**0899522**	1
AE EMB CP 2	**0899522**	1
AE EMB CP 2	**0899522**	1
AE EMB CP 2	**0899522**	1
AE EMB CP 2	**0899522**	1
AE EMB CP 1	**0899521**	1
AE EMB CP 1	**0899521**	1

Accessories		

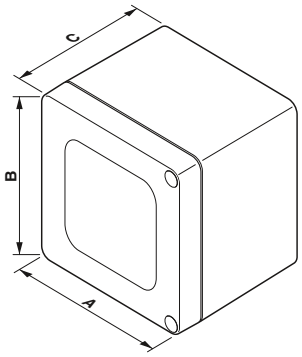
Polyester empty enclosure

Empty enclosure with door and viewing window

new



Junction box



– Easy door mounting, with spring-mounted hinge pins, means the door can be removed without tools
– Mounting brackets with turning protection can be flexibly adapted to the installation situation
– Comprehensive, optional accessories for customer-specific junctions boxes: grounding bolts, various locking systems in the shape of triangle bit, square bit, Phillips, double bit, T-handle, and handle with locking cylinder can be supplied

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Technical data

Material		Polyester fiberglass reinforced
Sealing material		Chloroprene
Degree of protection		IP66
Impact strength	[J]	7 according to EN 60079-0
Temperature resistance	[°C]	-40 ... 80
Type of locking		Door , Door lock not supplied as standard
Housing fixing		External fixing clips
Material strength	[mm]	

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box	201 x 123 x 101	**W PE A 120X200X100**	0899375	1
	261 x 163 x 101	**W PE A 160X260X100**	0899376	1
	341 x 163 x 101	**W PE A 160X340X100**	0899377	1
	151 x 203 x 101	**W PE A 200X150X100**	0899378	1
	200 x 200 x 171	**W PE A 200X200X170**	0899379	1
	300 x 200 x 171	**W PE A 200X300X170**	0899380	1
	305 x 405 x 202	**W PE A 300X400X200**	0899367	1
	405 x 605 x 252	**W PE A 400X600X250**	0899368	1

Accessories

Metal control cabinet key, for all common types of closure: 3 - 5 mm two-way key bit, 5, 6, 7 - 8, 9 - 10 mm square, 7, 8 - 9, 10 - 11 mm triangle, 6 mm special	**SF-CCK 9**	1212525	1
Control cabinet key, for all common control cabinets, closures: 5, 6, 7-8 mm, square, 7-8 mm triangle, 3-5 mm two-way key bit	**USS 4**	1203149	1
Mounting plate silver	**AE MP SH CP 120X200**	0899449	1

new



Closure system, 8 mm square

Technical data
PA
-
-
-
-
- , -
-
-

Ordering data		
Type	**Order No.**	Pcs./Pkt.
AE LOS CP SQ 8MM	**0899517**	1
AE LOS CP SQ 8MM	**0899517**	1
AE LOS CP SQ 8MM	**0899517**	1
AE LOS CP SQ 8MM	**0899517**	1
AE LOS CP SQ 8MM	**0899517**	1
AE LOS CP SQ 8MM	**0899517**	1
AE LO CP SQ 8MM	**0899511**	1
AE LO CP SQ 8MM	**0899511**	1

Accessories		

new



Mounting plate

Technical data
Steel, galvanized
-
-
-
-
- , -
-
2

Ordering data		
Type	**Order No.**	Pcs./Pkt.
AE MP SH CP 120X200	**0899449**	1
AE MP SH CP 160X260	**0899450**	1
AE MP SH CP 160X340	**0899451**	1
AE MP SH CP 200X150	**0899452**	1
AE MP SH CP 200X200	**0899447**	1
AE MP SH CP 200X300	**0899448**	1
AE MP SH CP 300X400	**0899445**	1
AE MP SH CP 400X600	**0899446**	1

Accessories		

new



Fixing bracket

Technical data
Stainless steel
-
-
-
-
- , -
-
-

Ordering data		
Type	**Order No.**	Pcs./Pkt.
AE EMB CP 2	**0899522**	1
AE EMB CP 2	**0899522**	1
AE EMB CP 2	**0899522**	1
AE EMB CP 2	**0899522**	1
AE EMB CP 2	**0899522**	1
AE EMB CP 2	**0899522**	1
AE EMB CP 1	**0899521**	1
AE EMB CP 1	**0899521**	1

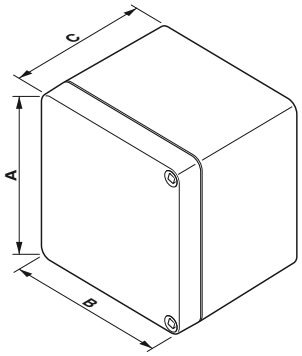
Accessories		

Polyester empty enclosure

Empty enclosure with cover

new







Junction box

- Direct wall mounting option, thanks to fixing channels outside the sealing area, protected by the cover
- Mounting brackets with turning protection can be flexibly adapted to the installation situation
- The mounting screws made from stainless steel are captively integrated into the cover
- Comprehensive, optional range of accessories for customer-specific junctions boxes: lateral joints, grounding bolts, protective conductor busbars, precise DIN rails

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Technical data

Material		Polyester fiberglass reinforced
Sealing material		Chloroprene
Degree of protection		IP66
Impact strength	[J]	7 according to EN 60079-0
Temperature resistance	[°C]	-40 ... 100
Type of locking		Screw-on cover , Plus/minus screw
Housing fixing		Integrated blind hole
Material strength	[mm]	

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box	55 x 55 x 37	**E PE A 55X55X37**	0899335	1
	55 x 55 x 59	**E PE A 55X55X59**	0899336	1
	75 x 80 x 56	**E PE A 75X80X56**	0899337	1
	75 x 80 x 75	**E PE A 75X80X75**	0899338	1
	75 x 110 x 56	**E PE A 75X110X56**	0899339	1
	75 x 110 x 75	**E PE A 75X110X75**	0899340	1
	75 x 160 x 56	**E PE A 75X160X56**	0899341	1
	75 x 160 x 75	**E PE A 75X160X75**	0899342	1
	75 x 190 x 56	**E PE A 75X190X56**	0899343	1
	75 x 190 x 75	**E PE A 75X190X75**	0899344	1
	75 x 230 x 59	**E PE A 75X230X56**	0899345	1
	75 x 230 x 75	**E PE A 75X230X75**	0899346	1
	100 x 320 x 81	**E PE A 100X320X81**	0899347	1
	120 x 122 x 91	**E PE A 120X122X91**	0899348	1
	120 x 220 x 91	**E PE A 120X220X91**	0899349	1
	160 x 160 x 91	**E PE A 160X160X91**	0899350	1
	160 x 260 x 91	**E PE A 160X260X91**	0899351	1
	160 x 360 x 91	**E PE A 160X360X91**	0899352	1
	160 x 560 x 91	**E PE A 160X560X91**	0899353	1
	250 x 255 x 121	**E PE A 250X255X121**	0899354	1
	250 x 255 x 161	**E PE A 250X255X161**	0899355	1
	250 x 400 x 121	**E PE A 250X400X121**	0899356	1
	250 x 400 x 161	**E PE A 250X400X161**	0899357	1
	250 x 600 x 121	**E PE A 250X600X121**	0899358	1
	360 x 360 x 91	**E PE A 360X360X91**	0899359	1
	405 x 400 x 121	**E PE A 405X400X121**	0899360	1
	405 x 400 x 201	**E PE A 405X400X201**	0899361	1

Accessories

Torque screwdrivers, adjustable from 3 - 6 Nm	black	**TSD-M 6NM**	1212226	1
Screw bit	silver	**SF-BIT-PHSL 2-70**	1212601	5



new



Mounting plate

new



Fixing bracket

Technical data	
	Steel, galvanized
	-
	-
	-
	-
	- , -
	-
	2

Technical data	
	Stainless steel
	-
	-
	-
	-
	- , -
	-
	-

Ordering data

Type	Order No.	Pcs./Pkt.
AE MP SH EP 75X80	0899429	1
AE MP SH EP 75X80	0899429	1
AE MP SH EP 75X110	0899430	1
AE MP SH EP 75X110	0899430	1
AE MP SH EP 75X160	0899431	1
AE MP SH EP 75X160	0899431	1
AE MP SH EP 75X190	0899432	1
AE MP SH EP 75X190	0899432	1
AE MP SH EP 100X320	0899433	1
AE MP SH EP 120X122	0899434	1
AE MP SH EP 120X220	0899435	1
AE MP SH EP 160X160	0899436	1
AE MP SH EP 160X260	0899437	1
AE MP SH EP 160X360	0899438	1
AE MP SH EP 160X560	0899439	1
AE MP SH EP 250X255	0899440	1
AE MP SH EP 250X255	0899440	1
AE MP SH EP 250X400	0899441	1
AE MP SH EP 250X400	0899441	1
AE MP SH EP 250X600	0899442	1
AE MP SH EP 360X360	0899443	1
AE MP SH EP 405X400	0899444	1
AE MP SH EP 405X400	0899444	1

Accessories

Ordering data

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

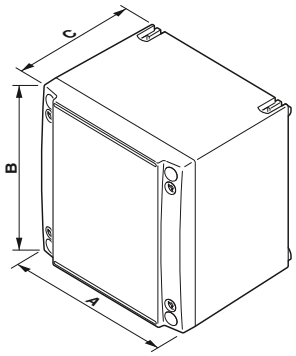
Accessories

Polyester empty enclosure

Empty enclosure with two wiring levels

new







Junction box

- Save space, thanks to a second wiring level. The height of the top mounting frame can be individually adjusted
- Direct wall mounting option, thanks to fixing channels outside the sealing area, protected by the cover
- Retaining bands secure the cover when opening
- The mounting screws made from stainless steel are captively integrated into the cover
- Comprehensive, ideal range of accessories for customer-specific junctions boxes: assembly frames, grounding bolts, protective conductor busbars, precise DIN rails, retaining bands

Junction box marking

An extensive range of marking materials is available for the durable and unique marking of junctions boxes; see “Equipment marking” section

Note: for customer-specific Ex junctions boxes, use the request form on the website, and specify webcode:

#0851

Technical data

Material		Polyester fiberglass reinforced
Sealing material		Chloroprene
Degree of protection		IP66
Impact strength	[J]	7 according to EN 60079-0
Temperature resistance	[°C]	-40 ... 100
Type of locking		Screw-on cover , Plus/minus screw
Housing fixing		Integrated blind hole
Material strength	[mm]	

Description	Dimension A x B x C [mm]
Junction box	177 x 177 x 145
	360 x 177 x 145
	360 x 360 x 145
Mounting plate	160 x 160 x 2
	160 x 344 x 2
	344 x 344 x 2

Ordering data

Type	Order No.	Pcs./Pkt.
D PE A 177X177X145	0899362	1
D PE A 360X177X145	0899363	1
D PE A 360X360X145	0899364	1

Accessories

Torque screwdrivers, adjustable from 3 - 6 Nm	black	
TSD-M 6NM	1212226	1
Screw bit	silver	
SF-BIT-PHSL 2-70	1212601	5



new



Mounting plate

Technical data

Steel, galvanized
-
-
-
-
- , -
-
2

Ordering data

Type	Order No.	Pcs./Pkt.
AE MP SH DP 177X177	**0899453**	1
AE MP SH DP 360X177	**0899454**	1
AE MP SH DP 360X360	**0899455**	1

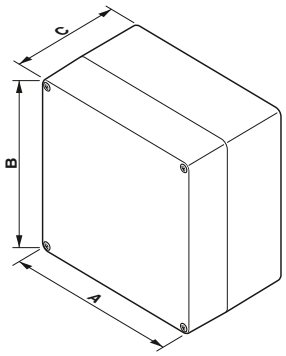
Accessories

ABS junctions boxes

Assembled junctions boxes

new

- Junction box with cover and pre-assembled terminal block strip with Push-in connection technology (2.5 mm² cross section).
- Available pre-assembled with 6, 12 or 20 terminal blocks
- Available with 2, 3 or 4 M20 plastic cable glands depending on the version
- Fast wiring without the need for additional components





Junction box with 6 2.5 mm² terminal blocks with Push-in connection technology

Connection data for the terminal blocks

Nominal current I_N: 24 A (at 2.5 mm²)
Nominal voltage U_N: 800 V
Maximum load current: 30 A (with a 4 mm² conductor cross section)
Min. conductor cross section, solid: 0.14 mm²
Max. conductor cross section, solid: 4 mm²

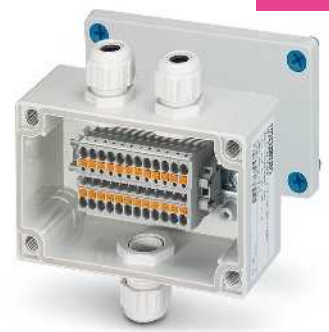
Technical data

Material		ABS
Sealing material		Silicone
Degree of protection		IP67
Impact strength	[J]	2 according to EN 62262/EN 50102
Temperature resistance	[°C]	-25 ... 60
Type of locking		Screw-on cover , Phillips-Recess
Housing fixing		Screw connection in housing base

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box with 6 2.5 mm² terminal blocks and 2 x M20 cable glands (1 below/1 above)	85 x 83 x 60	**E AB A 85X83X60 6MPT**	3001998	1
Junction box with 12 2.5 mm² terminal blocks and 3 x M20 cable glands (1 below/2 above)	130 x 80 x 60			
Junction box with 20 2.5 mm² terminal blocks and 4 x M20 cable glands (1 below/3 above)	180 x 130 x 100			

new



Junction box with 12 2.5 mm² terminal blocks with Push-in connection technology

Technical data

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

Ordering data

Type	Order No.	Pcs./Pkt.
E AB A 130X80X60 12MPT	3001999	1

new



Junction box with 20 2.5 mm² terminal blocks with Push-in connection technology

Technical data

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

Ordering data

Type	Order No.	Pcs./Pkt.
E AB A 180X130X100 20PT	3002001	1

ABS junctions boxes

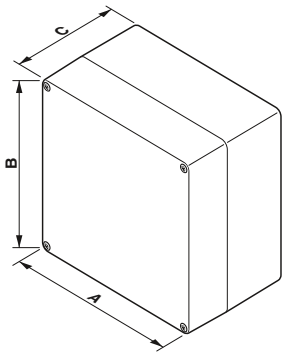
Assembled junctions boxes

new

Junction box with cover, pre-assembled terminal strip, and screw connection technology (2.5 mm² cross section)
– Available pre-assembled with 6, 12 or 20 terminal blocks
– Available with 2, 3 or 4 M20 plastic cable glands depending on the version
– Fast wiring without the need for additional components

Connection data for the terminal blocks

Nominal current I_N: 24 A
Nominal voltage U_N: 800 V
Maximum load current: 24 A
Min. conductor cross section, solid: 0.5 mm²
Max. conductor cross section, solid: 4 mm²





Junction box with 6 2.5 mm² terminal blocks and screw connection technology

Technical data

Material		ABS
Sealing material		Silicone
Degree of protection		IP67
Impact strength	[J]	2 according to EN 62262/EN 50102
Temperature resistance	[°C]	-25 ... 60
Type of locking		Screw-on cover , Phillips-Recess
Housing fixing		Screw connection in housing base

Ordering data

Description	Dimension A x B x C [mm]	Type	Order No.	Pcs./Pkt.
Junction box with 6 2.5 mm² terminal blocks and 2 x M20 cable glands (1 below/1 above)	85 x 83 x 60	**E AB A 85X83X60 6TB**	3002002	1
Junction box with 12 2.5 mm² terminal blocks and 3 x M20 cable glands (1 below/2 above)	130 x 80 x 60			
Junction box with 20 2.5 mm² terminal blocks and 4 x M20 cable glands (1 below/3 above)	180 x 130 x 100			

new



Junction box with 12 2.5 mm² terminal blocks and screw connection technology

new



Junction box with 20 2.5 mm² terminal blocks and screw connection technology

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

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

Ordering data

Type	Order No.	Pcs./Pkt.
E AB A 130X80X60 12TB	3002003	1

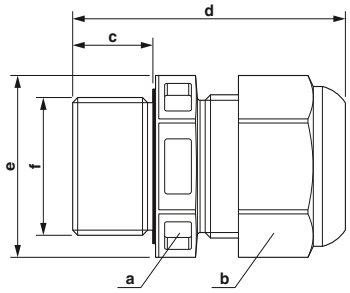
Ordering data

Type	Order No.	Pcs./Pkt.
E AB A 180X130X100 20TB	3002004	1

Plastic cable glands, metric, Ex protection

- Halogen-free
- Vibration-proof plastic cable gland with protection against over-tightening of the cap nut
- Glow-wire test: 750°C
- Degree of protection: IP66/IP68, 5 bar (30 minutes)

Marking:
- II 2 G Ex e IIC Gb
- II 2 D Ex IIIC Db IP68



Notes:
For counter nuts, see page 560.



Plastic cable gland

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

Technical data

General data	
Cable gland material	PA
Seal material	EPDM (Flat gasket)
Cable seal material	EPDM
Ambient temperature (operation)	-40 °C ... 75 °C (static)

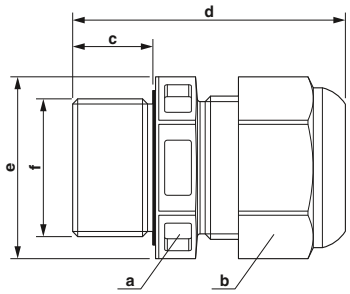
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M12 x 1.5	black	3.00 - 6.00	16.00	16.00	15.00	34.00	18.00	M12	G-ESIS-M12-S68L-PEPDS-BK	1415106	10
M16 x 1.5	black	4.50 - 9.00	20.00	20.00	15.00	37.00	23.00	M16	G-ESIS-M16-S68L-PEPDS-BK	1415107	10
M20 x 1.5	black	7.00 - 13.00	24.00	24.00	15.00	41.00	28.00	M20	G-ESIS-M20-S68L-PEPDS-BK	1415108	10
M25 x 1.5	black	10.00 - 17.00	29.00	29.00	15.00	43.00	33.00	M25	G-ESIS-M25-M68L-PEPDS-BK	1415109	10
M32 x 1.5	black	13.00 - 21.00	36.00	36.00	15.00	51.00	41.00	M32	G-ESIS-M32-M68L-PEPDS-BK	1415110	5
M40 x 1.5	black	17.00 - 28.00	46.00	46.00	18.00	58.00	51.00	M40	G-ESIS-M40-M68L-PEPDS-BK	1415111	5
M50 x 1.5	black	23.00 - 35.00	55.00	55.00	18.00	63.00	61.00	M50	G-ESIS-M50-L68L-PEPDS-BK	1415112	1
M63 x 1.5	black	34.00 - 48.00	68.00	68.00	18.00	67.00	75.00	M63	G-ESIS-M63-L68L-PEPDS-BK	1415113	1

Plastic cable glands, metric, Ex protection

- Halogen-free
- Vibration-proof plastic cable gland with protection against over-tightening of the cap nut
- Glow-wire test: 750°C
- Degree of protection: IP66/IP68, 5 bar (30 minutes)

Marking:
- II 2 G Ex e IIC Gb
- II 2 D Ex IIIC Db IP68



Notes:
For counter nuts, see page 560.



Plastic cable gland

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

Technical data

General data	
Cable gland material	PA
Seal material	EPDM (Flat gasket)
Cable seal material	EPDM
Ambient temperature (operation)	-40 °C ... 75 °C (static)

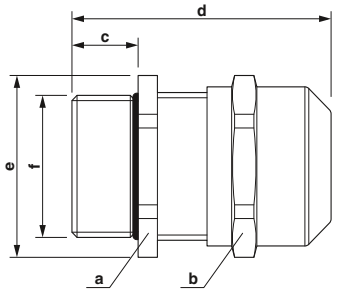
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M12 x 1.5	black/blue	3.00 - 6.00	16.00	16.00	15.00	35.00	18.00	M12	G-ESIS-M12-S68L-PEPDS-BL	1415114	10
M16 x 1.5	black/blue	4.50 - 9.00	20.00	20.00	15.00	37.00	23.00	M16	G-ESIS-M16-S68L-PEPDS-BL	1415116	10
M20 x 1.5	black/blue	7.00 - 13.00	24.00	24.00	15.00	41.00	28.00	M20	G-ESIS-M20-S68L-PEPDS-BL	1415117	10
M25 x 1.5	black/blue	10.00 - 17.00	29.00	29.00	15.00	43.00	33.00	M25	G-ESIS-M25-M68L-PEPDS-BL	1415118	10
M32 x 1.5	black/blue	13.00 - 21.00	36.00	36.00	15.00	45.00	41.00	M32	G-ESIS-M32-M68L-PEPDS-BL	1415119	5
M40 x 1.5	black/blue	17.00 - 28.00	46.00	46.00	18.00	58.00	51.00	M40	G-ESIS-M40-M68L-PEPDS-BL	1415120	5
M50 x 1.5	black/blue	23.00 - 35.00	55.00	55.00	18.00	63.00	61.00	M50	G-ESIS-M50-L68L-PEPDS-BL	1415121	1
M63 x 1.5	black/blue	34.00 - 48.00	68.00	68.00	18.00	67.00	75.00	M63	G-ESIS-M63-L68L-PEPDS-BL	1415122	1

Brass cable glands, metric, Ex protection

– Halogen-free
– Polyamide compression ring
– Degree of protection: IP66/IP68, 5 bar (30 minutes)

Marking:
– II 2 G Ex e IIC Gb
– II 2 D Ex IIIC Db IP68



Notes:
For counter nuts, see page 560.



Brass cable gland

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

Technical data

General data	
Cable gland material	Nickel-plated brass
Seal material	EPDM (O-ring)
Cable seal material	EPDM
Material, insert	PA
Ambient temperature (operation)	-40 °C ... 75 °C (static)

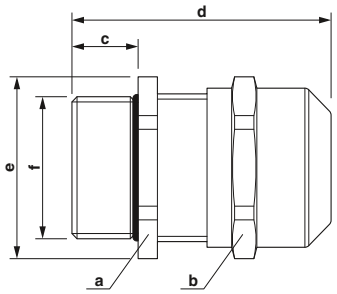
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M12 x 1.5	silver	4.00 - 7.00	-	16.00	12.00	30.00	18.00	M12	G-ESIS-M12-S68N-NEPDS-S	1415123	10
M16 x 1.5	silver	5.00 - 10.00	-	20.00	12.00	33.00	22.00	M16	G-ESIS-M16-S68N-NEPDS-S	1415124	10
M20 x 1.5	silver	6.00 - 13.00	-	24.00	12.00	43.00	27.00	M20	G-ESIS-M20-S68N-NEPDS-S	1415125	10
M25 x 1.5	silver	10.00 - 17.00	-	29.00	12.00	38.00	32.00	M25	G-ESIS-M25-M68N-NEPDS-S	1415126	10
M32 x 1.5	silver	13.00 - 21.00	-	36.00	15.00	43.00	40.00	M32	G-ESIS-M32-M68L-NEPDS-S	1415127	5
M40 x 1.5	silver	16.00 - 28.00	-	46.00	15.00	51.00	51.00	M40	G-ESIS-M40-M68L-NEPDS-S	1415129	5
M50 x 1.5	silver	21.00 - 35.00	-	55.00	15.00	57.00	61.00	M50	G-ESIS-M50-L68L-NEPDS-S	1415146	1
M63 x 1.5	silver	34.00 - 48.00	-	68.00	15.00	61.00	75.00	M63	G-ESIS-M63-L68L-NEPDS-S	1415147	1

Brass EMC cable glands, metric, Ex protection

– Halogen-free
– Polyamide compression ring
– Permanent braided shield contact by means of grounding cones in the EMC screw connection
– Degree of protection: IP66/IP68, 5 bar (30 minutes)

Marking:
– II 2 G Ex e IIC Gb
– II 2 D Ex IIIC Db IP68



Notes:
For ribbed counter nut, see page 561.



Brass EMC cable gland

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

Technical data

General data	
Cable gland material	Nickel-plated brass
Seal material	EPDM (O-ring)
Cable seal material	EPDM
Material, insert	PA
Ambient temperature (operation)	-40 °C ... 75 °C (static)

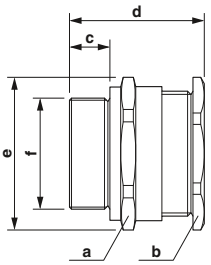
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M12 x 1.5	silver	4.00 - 7.00	16.00	16.00	12.00	30.00	18.00	M12	G-ESISEC-M12-S68N-NEPDS-S	1415148	10
M16 x 1.5	silver	5.00 - 10.00	20.00	20.00	12.00	33.00	22.00	M16	G-ESISEC-M16-S68N-NEPDS-S	1415149	10
M20 x 1.5	silver	6.00 - 13.00	24.00	24.00	12.00	43.00	27.00	M20	G-ESISEC-M20-S68N-NEPDS-S	1415163	10
M25 x 1.5	silver	10.00 - 17.00	29.00	29.00	12.00	38.00	32.00	M25	G-ESISEC-M25-M68N-NEPDS-S	1415165	10
M32 x 1.5	silver	13.00 - 21.00	36.00	36.00	15.00	43.00	40.00	M32	G-ESISEC-M32-M68L-NEPDS-S	1415166	5
M40 x 1.5	silver	16.00 - 28.00	46.00	46.00	15.00	51.00	51.00	M40	G-ESISEC-M40-M68L-NEPDS-S	1415168	5
M50 x 1.5	silver	21.00 - 35.00	55.00	55.00	15.00	57.00	61.00	M50	G-ESISEC-M50-L68L-NEPDS-S	1415169	1
M63 x 1.5	silver	34.00 - 48.00	68.00	68.00	15.00	61.00	75.00	M63	G-ESISEC-M63-L68L-NEPDS-S	1415170	1

Brass cable glands, metric, Ex protection

The cable glands for unarmored and braided cables provide flameproof (type “d”), increased safety (type “e”), and restricted breathing (type “nR”) protection.

– Degree of protection: IP66/IP67/IP68



Notes:

For counter nuts, see page 560.



Brass cable gland

Ex: CIDET EAC Ex NEPSI
Sira 13ATEX1068X / IECEx SIR 13.0023X

Technical data

General data	
Cable gland material	Nickel-plated brass
Seal material	-
Cable seal material	EPDM
Ambient temperature (operation)	-60 °C ... 130 °C

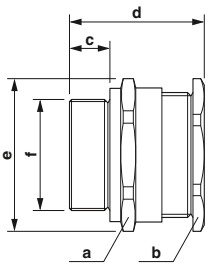
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20 x 1.5	silver	6.50 - 14.00	27.00	27.00	15.00	39.00	29.70	M20	G-ESS-M20-S66L-NTES-S	1411075	20
M25 x 1.5	silver	11.10 - 20.00	36.00	36.00	15.00	41.00	39.60	M25	G-ESS-M25-M66L-NTES-S	1411077	20
M32 x 1.5	silver	17.00 - 26.30	41.00	41.00	15.00	42.00	45.10	M32	G-ESS-M32-M66L-NTES-S	1411079	10
M40 x 1.5	silver	23.50 - 32.20	50.00	50.00	15.00	43.00	55.00	M40	G-ESS-M40-L66L-NTES-S	1411081	2
M50 x 1.5	silver	35.60 - 44.10	60.00	60.00	15.00	45.00	66.00	M50	G-ESS-M50-L66L-NTES-S	1411084	2
M63 x 1.5	silver	47.20 - 56.00	75.00	75.00	15.00	45.00	82.50	M63	G-ESS-M63-L66L-NTES-S	1411086	2

Stainless steel cable glands, metric, Ex protection

The cable glands for unarmored and braided cables provide flameproof (type “d”), increased safety (type “e”), and restricted breathing (type “nR”) protection.

– Degree of protection: IP66/IP67/IP68



Notes:

For counter nuts, see page 561.



Stainless steel cable gland

Ex: CIDET EAC Ex NEPSI
Sira 13ATEX1068X / IECEx SIR 13.0023X

Technical data

General data	
Cable gland material	Stainless steel 316L
Seal material	-
Cable seal material	EPDM
Ambient temperature (operation)	-60 °C ... 130 °C

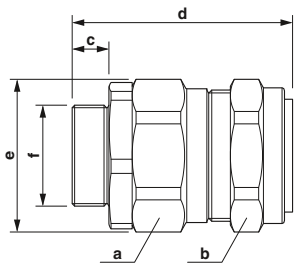
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20 x 1.5	silver	6.50 - 14.00	27.00	27.00	15.00	39.00	29.70	M20	G-ESS-M20-S66L-STES-S	1411076	20
M25 x 1.5	silver	11.10 - 20.00	36.00	36.00	15.00	41.00	39.60	M25	G-ESS-M25-M66L-STES-S	1411078	20
M32 x 1.5	silver	17.00 - 26.30	41.00	41.00	15.00	42.00	45.10	M32	G-ESS-M32-M66L-STES-S	1411080	10
M40 x 1.5	silver	23.50 - 32.20	50.00	50.00	15.00	43.00	55.00	M40	G-ESS-M40-L66L-STES-S	1411082	2
M50 x 1.5	silver	35.60 - 44.10	60.00	60.00	15.00	45.00	66.00	M50	G-ESS-M50-L66L-STES-S	1411085	2
M63 x 1.5	silver	47.20 - 56.00	75.00	75.00	15.00	45.00	82.50	M63	G-ESS-M63-L66L-STES-S	1411087	2

Brass cable glands, metric, Ex protection

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

– Degree of protection: IP66/IP67/IP68





Brass cable gland

Notes:

For counter nuts, see page 560.

Ex: CIDET EAC Ex NEPSI
Sira 13ATEX1070X / IECEx SIR 13.0025X

Technical data

General data	
Cable gland material	Nickel-plated brass
Seal material	-
O-ring material	-
Cable seal material	EPDM
Ambient temperature (operation)	-60 °C ... 130 °C

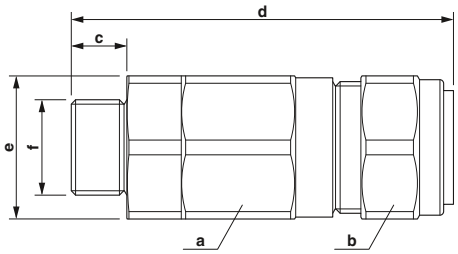
Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20 x 1.5	silver	9.50 - 15.90	24.00	24.00	15.00	73.00	26.40	M20	G-ESSWU-M20S-S66L-NTES-S	1411088	10
M20 x 1.5	silver	12.50 - 20.90	30.50	30.50	15.00	75.00	33.60	M20	G-ESSWU-M20-M66L-NTES-S	1411090	10
M25 x 1.5	silver	18.20 - 26.20	37.50	37.50	15.00	82.00	41.30	M25	G-ESSWU-M25-M66L-NTES-S	1411092	10
M32 x 1.5	silver	23.70 - 33.90	46.00	46.00	15.00	84.00	50.60	M32	G-ESSWU-M32-L66L-NTES-S	1411094	5
M40 x 1.5	silver	27.90 - 40.40	55.00	55.00	15.00	93.00	60.50	M40	G-ESSWU-M40-L66L-NTES-S	1411097	1
M50 x 1.5	silver	40.40 - 53.10	70.00	70.00	15.00	95.00	77.00	M50	G-ESSWU-M50-L66L-NTES-S	1411100	5
M63 x 1.5	silver	54.60 - 65.90	80.00	80.00	15.00	107.00	88.00	M63	G-ESSWU-M63-L66L-NTES-S	1411102	1

Stainless steel cable glands, metric, Ex protection

The cable glands for armored cables provide flameproof (type “d”), increased safety (type “e”), and restricted breathing (type “nR”) protection.

– Degree of protection: IP66/IP67/IP68





Stainless steel cable gland

Notes:

For counter nuts, see page 561.

Ex: CIDET EAC Ex NEPSI
Sira 13ATEX1073X / IECEx SIR 13.0028X

Technical data

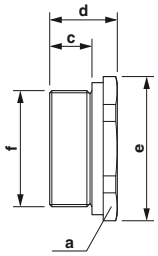
General data	
Cable gland material	Stainless steel 316L
Seal material	EPDM
O-ring material	-
Cable seal material	EPDM
Ambient temperature (operation)	-60 °C ... 130 °C

Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20 x 1.5	silver	9.50 - 15.90	24.00	24.00	15.00	73.00	26.40	M20	G-EDSWU-M20S-S66L-STES-S	1411089	10
M20 x 1.5	silver	12.50 - 20.90	30.50	30.50	15.00	75.00	33.60	M20	G-EDSWU-M20-M66L-STES-S	1411091	10
M25 x 1.5	silver	18.20 - 26.20	37.50	37.50	15.00	82.00	41.30	M25	G-EDSWU-M25-M66L-STES-S	1411093	10
M32 x 1.5	silver	23.70 - 33.90	46.00	46.00	15.00	84.00	50.60	M32	G-EDSWU-M32-L66L-STES-S	1411095	5
M40 x 1.5	silver	27.90 - 40.40	55.00	55.00	15.00	101.00	60.50	M40	G-EDSWU-M40-L66L-STES-S	1411099	1
M50 x 1.5	silver	40.40 - 53.10	70.00	70.00	15.00	95.00	77.00	M50	G-EDSWU-M50-L66L-STES-S	1411101	1
M63 x 1.5	silver	54.60 - 65.90	80.00	80.00	15.00	107.00	88.00	M63	G-EDSWU-M63-L66L-STES-S	1411103	1

Brass screw plugs, metric, Ex protection

The screw plugs offer IP66 and IP68 protection, if they are installed with an entry thread. These seal unused cable entries in systems with flameproof enclosures (type d) and increased safety (type e).





Brass screw plug

Notes:

For counter nuts, see page 560.

Ex:

Technical data

General data

Material	Nickel-plated brass
Ambient temperature (operation)	-60 °C ... 200 °C (-70°C ... 100°C, when using the A-SEW-...P-W flat gasket)

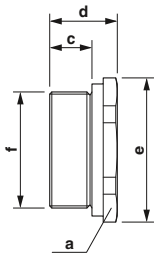
Thread type	Color	Clamping area	Dimensions [mm]					Thread
		[mm]	a	b	c	d	e	f
M20 x 1.5	silver	-	24.00	-	15.00	24.00	26.40	M20
M25 x 1.5	silver	-	30.00	-	15.00	24.00	33.00	M25
M32 x 1.5	silver	-	36.00	-	15.00	24.00	39.60	M32
M40 x 1.5	silver	-	46.00	-	15.00	24.00	50.60	M40
M50 x 1.5	silver	-	55.00	-	15.00	24.00	60.50	M50
M63 x 1.5	silver	-	65.00	-	15.00	24.00	77.00	M63

Ordering data

Type	Order No.	Pcs./Pkt.
A-EXSH-M20-68L-N-S	**1411104**	20
A-EXSH-M25-68L-N-S	**1411107**	20
A-EXSH-M32-68L-N-S	**1411109**	10
A-EXSH-M40-68L-N-S	**1411111**	5
A-EXSH-M50-68L-N-S	**1411113**	2
A-EXSH-M63-68L-N-S	**1411115**	1

Stainless steel screw plugs, metric, Ex protection

The screw plugs offer IP66 and IP68 protection, if they are installed with an entry thread. These seal unused cable entries in systems with flameproof enclosures (type d) and increased safety (type e).





Stainless steel screw plug

Notes:

For counter nuts, see page 561.

Ex:

Technical data

General data

Material	Stainless steel 316L
Ambient temperature (operation)	-60 °C ... 200 °C (-70°C ... 100°C, when using the A-SEW-...P-W flat gasket)

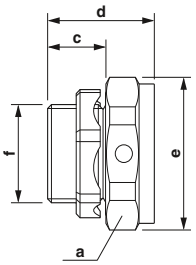
Thread type	Color	Clamping area	Dimensions [mm]					Thread
		[mm]	a	b	c	d	e	f
M20 x 1.5	silver	-	24.00	-	15.00	24.00	26.40	M20
M25 x 1.5	silver	-	30.00	-	15.00	24.00	33.00	M25
M32 x 1.5	silver	-	36.00	-	15.00	24.00	39.60	M32
M40 x 1.5	silver	-	46.00	-	15.00	24.00	50.60	M40
M50 x 1.5	silver	-	55.00	-	15.00	24.00	60.50	M50
M63 x 1.5	silver	-	65.00	-	15.00	24.00	77.00	M63

Ordering data

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

Brass pressure compensation, metric, Ex protection

Breather/drain plugs for increased safety (type “e”) provide superior ventilation for devices. They are designed to act as a pressure compensation element preventing moisture build-up to IP66.





Brass pressure compensation

Notes:

For counter nuts, see page 560.

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

Technical data

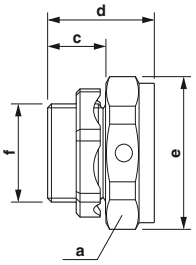
General data	
Material	Nickel-plated brass
O-ring material	Silicone
Ambient temperature (operation)	-60 °C ... 130 °C

Ordering data

Thread type	Color	Clamping area	Dimensions [mm]					Thread	Type	Order No.	Pcs./Pkt.
		[mm]	a	b	c	d	e	f			
M20	silver	-	30.00	-	15.00	32.00	33.00	M20	A-EXB-20-66L-N-S	1411117	5
M25	silver	-	31.50	-	15.00	32.00	39.60	M25	A-EXB-25-66L-N-S	1411120	5

Stainless steel pressure compensation, metric, Ex protection

Breather/drain plugs for increased safety (type “e”) provide superior ventilation for devices. They are designed to act as a pressure compensation element preventing moisture build-up to IP66.





Stainless steel pressure compensation

Notes:

For counter nuts, see page 561.

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

Technical data

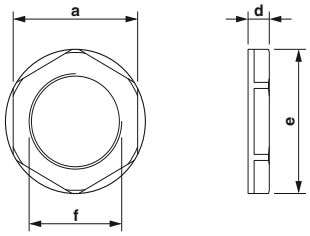
General data	
Material	Stainless steel 1.4404
O-ring material	Silicone
Ambient temperature (operation)	-60 °C ... 130 °C

Ordering data

Thread type	Color	Clamping area	Dimensions [mm]					Thread	Type	Order No.	Pcs./Pkt.
		[mm]	a	b	c	d	e	f			
M20	silver	-	30.00	-	15.00	32.00	26.40	M20	A-EXB-20-66L-S-S	1411118	5
M25	silver	-	31.50	-	15.00	32.00	33.00	M25	A-EXB-25-66L-S-S	1411121	5

Plastic counter nuts, metric, EN 60423

– Color: deep black (RAL 9005)





Plastic counter nut

Technical data

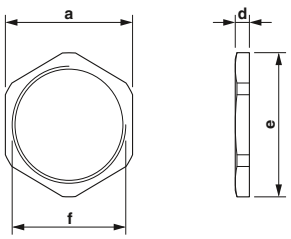
General data

Material	PA
Ambient temperature (operation)	-20 °C ... 100 °C

Ordering data

Thread type	Color	Clamping area	Dimensions [mm]					Thread	Type	Order No.	Pcs./Pkt.
		[mm]	a	b	c	d	e	f			
M12	jet black RAL 9005	-	18.00	-	-	5.00	19.50	M12	**A-INL-M12-P-BK**	1411213	10
M16	jet black RAL 9005	-	22.00	-	-	5.00	24.20	M16	**A-INL-M16-P-BK**	1411214	10
M20	jet black RAL 9005	-	26.00	-	-	6.00	28.60	M20	**A-INL-M20-P-BK**	1411215	5
M25	jet black RAL 9005	-	32.00	-	-	6.00	35.00	M25	**A-INL-M25-P-BK**	1411216	5
M32	jet black RAL 9005	-	41.00	-	-	7.00	46.10	M32	**A-INL-M32-P-BK**	1411217	5
M40	jet black RAL 9005	-	50.00	-	-	7.00	55.30	M40	**A-INL-M40-P-BK**	1411218	5
M50	jet black RAL 9005	-	60.00	-	-	8.00	66.10	M50	**A-INL-M50-P-BK**	1411219	5
M63	jet black RAL 9005	-	75.00	-	-	8.00	82.50	M63	**A-INL-M63-P-BK**	1411220	5

Brass counter nuts, metric, EN 60423





Brass counter nut

Technical data

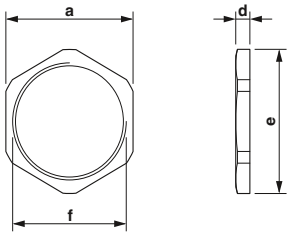
General data

Material	Nickel-plated brass
Ambient temperature (operation)	-70 °C ... 220 °C

Ordering data

Thread type	Color	Clamping area	Dimensions [mm]					Thread	Type	Order No.	Pcs./Pkt.
		[mm]	a	b	c	d	e	f			
M12	silver	-	15.00	-	-	2.80	16.50	M12	**A-INL-M12-N-S**	1411240	100
M16	silver	-	19.00	-	-	2.80	21.00	M16	**A-INL-M16-N-S**	1411241	100
M20	silver	-	24.00	-	-	3.00	27.00	M20	**A-INL-M20-N-S**	1411242	100
M25	silver	-	30.00	-	-	3.50	33.50	M25	**A-INL-M25-N-S**	1411243	100
M32	silver	-	36.00	-	-	4.00	40.00	M32	**A-INL-M32-N-S**	1411244	100
M40	silver	-	46.00	-	-	5.00	50.00	M40	**A-INL-M40-N-S**	1411246	50
M50	silver	-	57.00	-	-	5.00	65.00	M50	**A-INL-M50-N-S**	1411247	25
M63	silver	-	70.00	-	-	6.00	75.00	M63	**A-INL-M63-N-S**	1411248	25

Stainless steel counter nuts, metric, EN 60423





Stainless steel counter nut

Technical data

General data

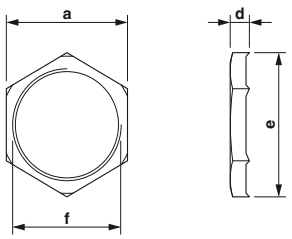
Material	Stainless steel 1.4305
Ambient temperature (operation)	-70 °C ... 220 °C

Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20	silver	-	24.00	-	-	3.00	27.00	M20	A-INL-M20-S-S	1411249	10
M25	silver	-	30.00	-	-	3.50	33.50	M25	A-INL-M25-S-S	1411250	10
M32	silver	-	36.00	-	-	4.00	40.00	M32	A-INL-M32-S-S	1411251	5
M40	silver	-	46.00	-	-	5.00	50.00	M40	A-INL-M40-S-S	1411252	5
M50	silver	-	55.00	-	-	5.00	65.00	M50	A-INL-M50-S-S	1411253	2
M63	silver	-	70.00	-	-	6.00	75.00	M63	A-INL-M63-S-S	1411254	1

Brass counter nuts, metric, EN 60423, ribbed

– Version: ribbed





Brass counter nut

Technical data

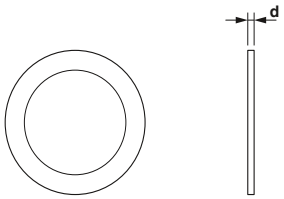
General data

Material	Nickel-plated brass
Ambient temperature (operation)	-70 °C ... 220 °C

Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M12	silver	-	15.00	-	-	4.70	16.50	M12	A-INLE-M12-N-S	1411267	100
M16	silver	-	19.00	-	-	4.70	21.00	M16	A-INLE-M16-N-S	1411268	100
M20	silver	-	24.00	-	-	4.70	27.00	M20	A-INLE-M20-N-S	1411269	100
M25	silver	-	30.00	-	-	5.20	33.50	M25	A-INLE-M25-N-S	1411270	50
M32	silver	-	36.00	-	-	5.70	40.00	M32	A-INLE-M32-N-S	1411271	50
M40	silver	-	46.00	-	-	6.50	50.00	M40	A-INLE-M40-N-S	1411272	50
M50	silver	-	60.00	-	-	6.50	65.00	M50	A-INLE-M50-N-S	1411273	10
M63	silver	-	70.00	-	-	7.00	75.00	M63	A-INLE-M63-N-S	1411274	10

Sealing washers, metric





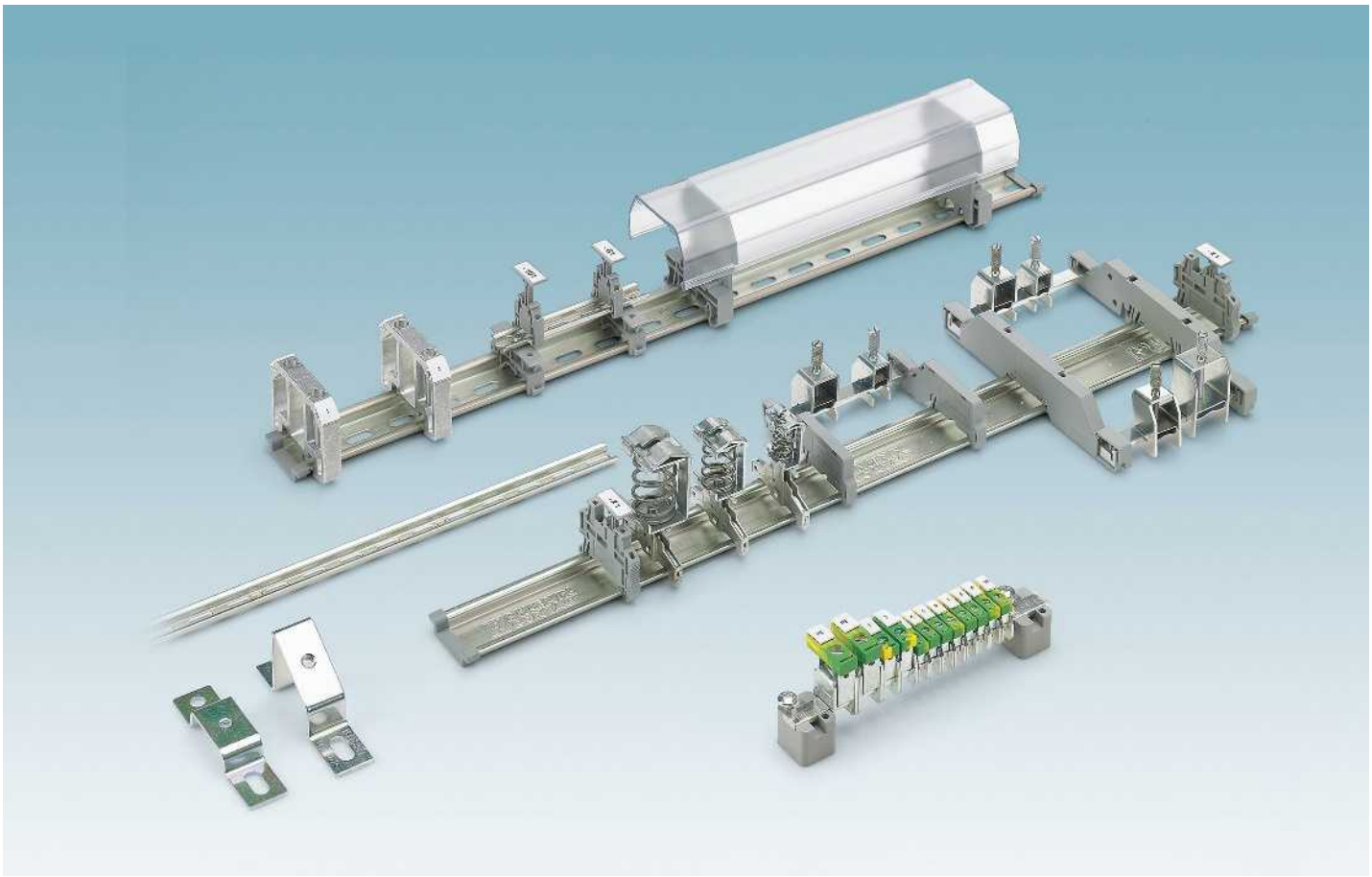
Sealing washer

Technical data

General data	
Material	Nylon
Ambient temperature (operation)	-70 °C ... 130 °C

Ordering data

Thread type	Color	Clamping area [mm]	Dimensions [mm] a	b	c	d	e	Thread f	Type	Order No.	Pcs./Pkt.
M20	white	-	-	-	-	-	-	M20	**A-SEW-20-P-W**	1411283	20
M25	white	-	-	-	-	-	-	M25	**A-SEW-25-P-W**	1411284	20
M32	white	-	-	-	-	-	-	M32	**A-SEW-32-P-W**	1411285	20
M40	white	-	-	-	-	-	-	M40	**A-SEW-40-P-W**	1411286	20
M50	white	-	-	-	-	-	-	M50	**A-SEW-50-P-W**	1411287	10
M63	white	-	-	-	-	-	-	M63	**A-SEW-63-P-W**	1411288	10





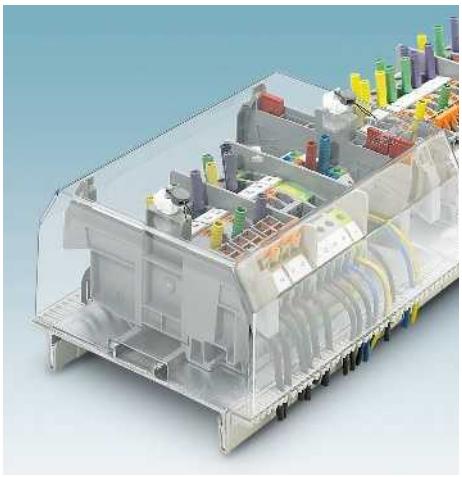
Sockets that can be mounted on DIN rails serve for easy connection of electrical auxiliary devices for assembly, testing, lighting, etc.. They enable worldwide use in switchgear, control cabinets, and in simple sub-distributions. Use in all parts of the world makes it essential to offer the sockets with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



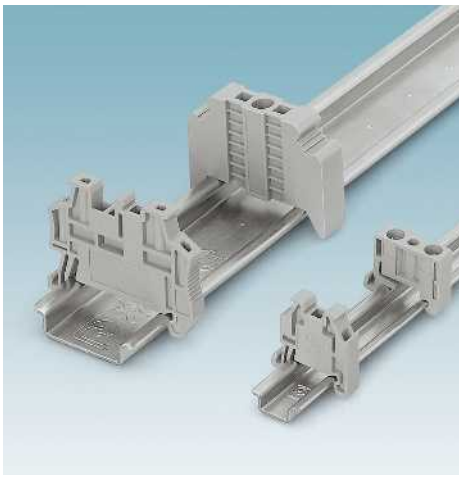
For control cabinet manufacturing applications, the key features of the NS 15 and NS 35 DIN rails are their high degree of dimensional accuracy and double surface tempering. They are galvanized and feature thick layer passivation, which makes them RoHS compliant.



The shield clamps from the SK ... and SKS ... series excel, thanks to simple mounting, as well as the busbar right on the mounting plate. The cables and conductors can be easily connected by means of screw or spring connection.



The cover profiles are used to cover live parts. They also prevent unintended actuation of terminal points or disconnect terminal blocks.



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.



Phoenix Contact offers various connection terminal blocks, branch terminals 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 socket terminal block series makes it easy to insert solid conductors or conductors with ferrules into the terminal point. Low insertion forces and high pull-out forces ensure a secure connection.



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



The protective hoses, made from plastic-coated spring steel, steel, and stainless steel provide optimum protection in the respective area of use. Countless accessories, such as cable glands and strain relief, enable easy, secure latching.

NS 15 DIN rails, flat design



- The design of the DIN rails complies with European standard EN 60715
- High degree of dimensional accuracy and surface finish
- All DIN rails are also available cut to length

The DIN rails are available 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 581.
For PPS ... DIN rail profile cutters, see page 402.
1) Please specify the desired length in millimeters when placing your order. See order example.
2) Please specify the desired length and borehole when placing your order. See order example.



Steel, galvanized and thick layer passivated

Technical data

General data	
Material / coating	Steel / Galvanized, passivated with a thick layer

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
DIN rail, unperforated, in accordance with EN 60715 - 15 x 5.5 mm, 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 accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer in accordance with, 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 in accordance with EN... EN 60715 - 15 x 5.5 mm, white passivated, low design, supply length: 2 m	white			
DIN rail, perforated, dimensions in accordance with EN 60715 - 15 x 5.5 mm, supply length: 2 m, **material: aluminum**	silver			



Steel, galvanized and thick layer passivated



Steel, galvanized and white passivated



Aluminum

Technical data

Steel / Galvanized, passivated with a thick layer

Ordering data

Type	Order No.	Pcs./Pkt.
NS 15 PERF 2000MM	1401682	5
NS 15 PERF/...	1208102	1

Technical data

Steel / Galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 15 WH PERF 2000MM	1204096	5

Technical data

Aluminum / uncoated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 15 AL PERF 2000MM	1401763	5

NS 35 DIN rails, flat design



- The design of the DIN rails complies with European standard EN 60715
- High degree of dimensional accuracy and surface finish
- All DIN rails are also available cut to length

The DIN rails are available 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 581.
For PPS ... DIN rail profile cutters, see page 402.
1) Please specify the desired length in millimeters when placing your order. See order example.
2) Please specify the desired length and borehole when placing your order. See order example.



Steel, galvanized and thick layer passivated

Technical data

General data	
Material / coating	Steel / galvanized, passivated with a thick layer

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
DIN rail, unperforated, in accordance with EN 60715 - 35 x 7.5 mm, galvanized and passivated with a thick layer, low design, supply length: 2 m	silver	**NS 35/ 7,5 UNPERF 2000MM**	0801681	5
DIN rail, unperforated, in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, supply length: 1 m	silver	**NS 35/ 7,5 UNPERF 1000MM**	1207649	20
DIN rail, unperforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications1)	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, low design, cut to length according to customer specifications and provided with mounting holes2)	silver	**NS 35/ 7,5 UNPERF/SO/...**	1208128	1
DIN rail, unperforated, dimensions in accordance with EN 60715 - 35 x 7.5 mm, white passivated, low design, supply length: 2 m	white			
DIN rail, unperforated, dimensions iin accordance with EN 60715 - 35 x 7.5 mm, galvanized, low design, supply length: 2 m	silver			
DIN rail, unperforated, dimensions in accordance with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, **Material: copper**	copper-colored			

Accessories

DIN rail end piece			
for DIN rail NS35/7.5	**NS 35/ 7,5 CAP**	1206560	100



Steel, galvanized and white passivated



Steel, galvanized



Copper

Technical data

Steel / galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 WH UNPERF 2000MM	1204122	5

Accessories

NS 35/ 7,5 CAP	1206560	100

Technical data

Steel / galvanized

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 ZN UNPERF 2000MM	1206434	5

Accessories

NS 35/ 7,5 CAP	1206560	100

Technical data

Copper / uncoated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 CU UNPERF 2000MM	0801762	5

Accessories

NS 35/ 7,5 CAP	1206560	100

NS 35 DIN rails, flat design

Notes:
For dimensional drawings and ordering examples, see page 581.
For PPS ... DIN rail profile cutters, see page 402.



Aluminum



Stainless steel

	Technical data	Technical data
General data		
Material / coating	Aluminum / uncoated	Stainless steel V2A / uncoated

	Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, low 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, low design, supply length: 2 m, **Material: high-grade 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:

[1]) Please specify the desired length in millimeters when placing your order. See order example.

For PPS ... DIN rail profile cutters, see page 402.



Steel, galvanized and thick layer passivated



Steel, galvanized

	Technical data			Technical data		
General data						
Material / coating	Steel / galvanized, passivated with a thick layer			Steel / galvanized		
	Ordering data			**Ordering data**		
Description Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, galvanized and passivated with a thick layer, low 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, low design, supply length: 1 m silver	**NS 35/ 7,5 PERF 1000MM**	1207651	20			
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, for cabinet width / depth of 0.8 m						
Length: 755 mm silver	**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, low design, cut to length according to customer specifications[1]) silver	**NS 35/ 7,5 PERF/...**	1208131	1			
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, chromated, low design, supply length: 1 m silver	**NS 35/ 7,5 PERF 1000MM**	0807012	10			
DIN rail, perforated, dimension in accordance with EN 60715 - 35 x 7.5 mm, hole dimension: 5.2 x 18 mm, supply length: 2 m silver	**NS 35/ 7,5 PERF (18X5,2)2000MM**	1210019	5			
DIN rail, perforated, dimensions in accordance with EN 60715 - 35 x 7.5 mm, galvanized, low design, supply length: 2 m silver				**NS 35/ 7,5 ZN PERF 2000MM**	1206421	5
DIN rail, perforated, dimension in accordance with EN 60715 - 35 x 7.5 mm, galvanized, low design, hole dimension: 5.2 x 18 mm, supply length: 2 m silver				**NS 35/ 7,5 ZN PERF (18X5,2) 2M**	0804278	25
	Accessories			**Accessories**		
DIN rail end 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





Aluminum

- High degree of dimensional accuracy and surface finish
- 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
- Aluminum; as a result of their improved conductivity, these versions can also be used as PEN busbars

Technical data

General data	
Material / coating	Aluminum / uncoated

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
DIN rail, perforated, width: 35 mm, height: 7.5 mm, length: 2000 mm	aluminum color	**NS 35/ 7,5 AL PERF 2000MM**	0814681	5
DIN rail, perforated, width: 35 mm, height: 7.5 mm, length: 2000 mm	white			
DIN rail, perforated, width: 35 mm, height: 7.5 mm, length: 2000 mm, hole dimension 5.2 x 25 mm, hole spacing 36 mm	white			

Accessories

DIN rail end piece for DIN rail NS35/7.5	**NS 35/ 7,5 CAP**	1206560	100



Steel, galvanized and white passivated



Steel, galvanized and white passivated

Technical data

Steel / Galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 WH PERF 2000MM	1204119	5

Accessories

NS 35/ 7,5 CAP	1206560	100

Technical data

Steel / Galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/7,5 WHPERF(5,2X25)2000MM	1206418	5

Accessories

NS 35/ 7,5 CAP	1206560	100

NS 35 DIN rails, tall design

Notes:
For dimensional drawings and ordering examples, see page 581.
For PPS ... DIN rail profile cutters, see page 402.
1) Please specify the desired length in millimeters when placing your order. See order example.
2) Please specify the desired length and borehole when placing your order. See order example.



Steel, galvanized and thick layer passivated



Steel, galvanized and white passivated

	Technical data	Technical data
General data		
Material / coating	Steel / Galvanized, passivated with a thick layer	Steel / Galvanized, white passivated

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
DIN rail, unperforated, in accordance with EN 60715 - 35 x 15 mm, galvanized and passivated with a thick layer, 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, low design, supply length: 1 m		**NS 35/15 UNPERF 1000MM**	1207655	20			
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



Steel, galvanized



Copper



Steel, galvanized, and thick layer passivated, material thickness 2.3 mm

Technical data

Steel / Galvanized

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/15 ZN UNPERF 2000MM	1206586	5

Accessories

NS 35/15 CAP	1206573	100

Technical data

Copper / uncoated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/15 CU UNPERF 2000MM	1201895	5

Accessories

NS 35/15 CAP	1206573	100

Technical data

Steel / Galvanized, passivated with a thick layer

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/15-2,3 UNPERF 2000MM	1201798	5

Accessories

NS 35 DIN rails, tall design, perforated



- The design of the DIN rails complies with European standard EN 60715
- High degree of dimensional accuracy and surface finish
- All DIN rails are also available cut to length

The DIN rails are available 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 581.

For PPS ... DIN rail profile cutters, see page 402.

[1]) Please specify the desired length in millimeters when placing your order. See order example.



Steel, galvanized and thick layer passivated

Technical data

General data	
Material / coating	Steel / Galvanized, passivated with a thick layer

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
DIN rail, perforated, in accordance with EN 60715 - 35 x 15 mm, galvanized and passivated with a thick layer, 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, supply length: 1 m	silver	**NS 35/15 PERF 1000MM**	1207658	10
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 specifications[1])	silver	**NS 35/15 PERF/...**	1208160	1
DIN rail, perforated, in accordance with 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			
DIN rail, perforated, in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, hole size: 5.2 x 18 mm, supply length: 2 m	silver	**NS 35/15 PERF (18X5,2) 2000MM**	1210006	5
DIN rail, perforated, in accordance with EN 60715 - 35 x 15 mm, white passivated, tall design, hole size: 5.2 x 25 mm), supply length: 2 m	white			
DIN rail, perforated, similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, galvanized, tall design, hole size: 5.2 x 18 mm, supply length: 2 m	silver			



Steel, galvanized and white passivated



Steel, galvanized

Technical data

Steel / Galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/15 WH PERF 2000MM	0806602	5
NS 35/15 WH PERF(5,2X25)2000MM	1206476	5

Technical data

Steel / Galvanized

Ordering data

Type	Order No.	Pcs./Pkt.
NS 35/15 ZN PERF 2000MM	1206599	5
NS 35/15 ZN PERF(18X5,2)2000MM	3240571	25

NS 32 DIN rails

Notes:

For PPS ... DIN rail profile cutters, see page 402.

[1]) Please specify the desired length in millimeters when placing your order. See order example.

[2]) Please specify the desired length and borehole when placing your order. See order example.



Steel, galvanized and thick layer passivated



Aluminum

		Technical data			Technical data		
General data							
Material / coating		Steel / Galvanized, passivated with a thick layer			Aluminum / uncoated		
		Ordering data			**Ordering data**		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
DIN rail, unperforated, in accordance with EN 60715 - G32, supply length: 2 m, 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			
DIN rail, unperforated similar to EN 60715, supply length: 2 m, **Material: Aluminum**	silver				**NS 32 AL UNPERF 2000MM**	1201028	5
DIN rail, unperforated, similar to EN 60715 - G32, supply length: 2 m, **material: Copper**	copper-colored						
DIN rail, unperforated, in accordance with EN 60715 - G32, supply length: 2 m, **material: Copper**	copper-colored						
DIN rail, unperforated, in accordance with EN 60715 - G32, 1.5 mm thick, white passivated, supply length: 2 m	white						
DIN rail, unperforated, in accordance with EN 60715 - G32, galvanized and thick layer passivated, tall design, cut according to customer request[1])	silver						
DIN rail, unperforated, in accordance with EN 60715 - G32, galvanized and thick layer passivated, tall design, cut according to customer request and equipped with fixing holes[2])	silver						



Copper



Steel, galvanized and white passivated



Steel, galvanized and thick layer passivated

Technical data

Copper / uncoated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 32 CU/120QMM UNPERF 2000MM	1201280	5
NS 32 CU/35QMM UNPERF 2000MM	1201358	5

Technical data

Steel / Galvanized, white passivated

Ordering data

Type	Order No.	Pcs./Pkt.
NS 32 WH UNPERF 2000MM	1204106	5

Technical data

Steel / Galvanized, passivated with a thick layer

Ordering data

Type	Order No.	Pcs./Pkt.
NS 32 UNPERF/...	1208173	1
NS 32 UNPERF/SO/...	1208186	1

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 581.



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

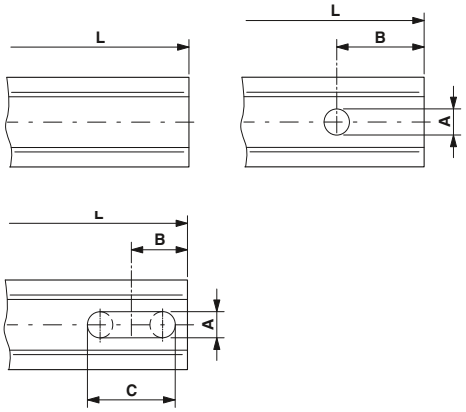
Description	Color	Type	Order No.	Pcs./Pkt.
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, supply length: 2 m	silver	**NS 35/15 AL UNPERF 2000MM**	1201756	5
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide 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:

Quantity	Order No.	Length in mm	Dim. A	Dim. B	Dim. C
20		550	6	50	20



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

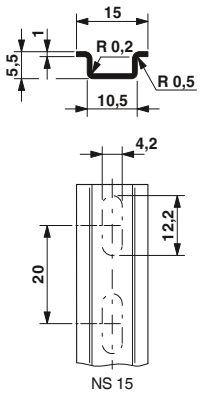
(minimum order quantity 20 units)

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:

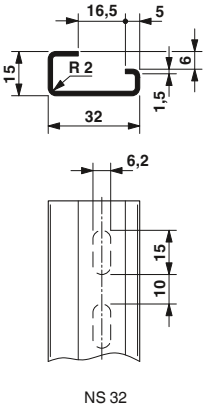
Quantity	Order No.	Length in mm
20		1750

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

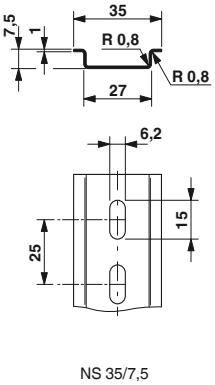
Dimensional drawings for DIN rails



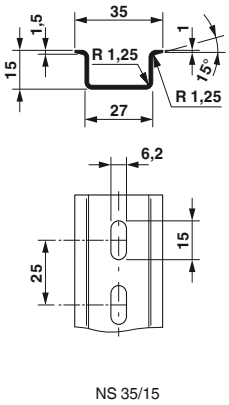
NS 15



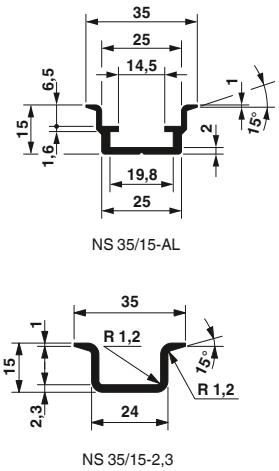
NS 32



NS 35/7,5



NS 35/15



NS 35/15-AL

NS 35/15-2,3

Snap-on end bracket, for NS 15 and NS 35 DIN rails

- The geometry of the CLIPFIX end bracket ensures reliable fixing on the different DIN rail systems
- Overall width of just 5.2 mm
- Parking facility for bridges and connectors
- Large area for marking



End bracket for NS 15 DIN rail



End bracket for NS 35 DIN rail

Technical data			
Dimensions	Width	Length	Height
[mm]	**5.2**	**22**	**22.6**
General data			
Material	PA		
Flammability rating according to UL 94	V2		

Technical data		
Width	Length	Height
5.15	**48.5**	**35**
PA		
V2		

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
End bracket, for snapping onto NS 15, 5.2 mm wide, can be marked with ZB 5 and ZBF 5, KLM, KLM 2 and KLM 3, provides facilities for retaining bridges and test accessories	gray	**CLIPFIX 15**	3022263	50
End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs	gray	**CLIPFIX 35-5**	3022276	50
Material: V0	gray	**CLIPFIX 35-5 V0**	3032350	50
End bracket, to snap on NS 35, 9.5 mm wide, can be marked with ZB 6, ZB 8/27, KLM...	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
- High and low designs
- Large area for marking



For NS 35 and NS 32 DIN rails



For multi-level terminal blocks on NS 35 and NS 32 DIN rails

Technical data			
Dimensions	Width	Length	Height
[mm]	**9.5**	**50.5**	**35.3**
General data			
Material	PA		
Tightening torque	[Nm]	0.4 - 0.5	
Flammability rating according to UL 94	V2		

Technical data		
Width	Length	Height
10	**55.5**	**50**
PA		
0.4 - 0.5		
V2		

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
End bracket, to screw on, for NS 35 and NS 32, can be marked with ZB 6, KLM, KLM-A and UBE	gray	**E/UK**	1201442	50
Universal end bracket, to screw on, for NS 35 and NS 32, for supporting the ends of double level and three level terminal blocks, can be marked with ZB 10	gray	**E/UK 1**	1201413	50

Screw-on end bracket, for NS 15 DIN rail

The E/MBK end bracket has been specially designed for the MBK miniature IEC terminal blocks.

– Can be screwed onto NS 15 DIN rails
– Can be mounted directly on the mounting plate as an MBK terminal block base
– Large area for marking



For miniature IEC terminal blocks on NS 15 DIN rail



For NS 15 DIN rail

		Technical data			Technical data		
Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**6.2**	**22**	**11.4**	**6.1**	**21.2**	**18**
General data							
Material		PA			PA		
Tightening torque	[Nm]	0.4 - 0.5			0.4 - 0.5		
Flammability rating according to UL 94		V2			V2		

		Ordering data			Ordering data		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
End bracket, to snap on NS 15, for slide-on miniature terminal blocks, can be fastened with a screw, can be marked with KLM 1	gray	**E/MBK**	**1401637**	100			
End bracket, to screw on NS 15, 6.1 mm wide, can be marked with KLM 1	gray				**E/MK 1**	**1421659**	100

Screw-on end bracket, for NS 35 and NS 32 DIN rails

– The E/AL-NS 35 provides optimum support for large terminal blocks and devices.
– Large area for marking



For NS 35 DIN rail



For terminal blocks from 50 mm² on NS 35 and NS 32 DIN rails

		Technical data			Technical data		
Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**9.5**	**48.6**	**32.8**	**10**	**59**	**44**
General data							
Material		PA			Aluminum		
Tightening torque	[Nm]	0.4 - 0.5			0.4 - 0.5		
Flammability rating according to UL 94		V2			-		

		Ordering data			Ordering data		
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
End bracket, to screw on NS 35, can be equipped with terminal strip marker KLM-A or ZB 8	gray	**E/NS 35 N**	**0800886**	50			
	black	**E/NS 35 N BK**	**0804271**	50			
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...	silver				**E/AL-NS 35**	**1201662**	10
End bracket, aluminum, for screwing on, for end support of UKH 50 - UKH 240, can be marked with ZB 10, for mounting on NS 32...	silver				**E/AL-NS 32**	**1201659**	10

Marking for terminal strips

– The KLM terminal strip markers are specially developed for the CLIPFIX end brackets
– Infinite height adjustment of the marking area is possible, thanks to the fine pitching
– The KLM 3−L is suitable for multi-level terminal blocks and can be cut in two specific places



For CLIPFIX end brackets, can be marked with snap-on label



For CLIPFIX end brackets, can be marked with label

Technical data

Dimensions		Width	Length	Height
	[mm]	**12.5**	**22**	**42**
General data				
Material		PA		
Flammability rating according to UL 94		V2		
Temperature range	[°C]	-40 ... 100		
Components		Halogen-free		

Technical data

Width	Length	Height
10	**22**	**27**
PA		
V2		
-40 ... 100		
Halogen-free		

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal strip marker, adjustable height, for end bracket CLIPFIX ..., can be marked with SS-ZB Lettering field size: 20 x 8 mm	gray	**KLM 2**	0807575	100
Terminal strip marker, adjustable height, for end bracket CLIPFIX ..., can be marked with EML (20x8) label or with B-STIFT or X-PEN	gray			
Can be cut to length	gray			

Ordering data

Type	Order No.	Pcs./Pkt.
KLM 3	0811969	100
KLM 3-L	0814788	100

Marking for terminal strips



For E/MK and E/MBK end brackets



For E/UK and CLIPFIX 35 end brackets

Technical data

General data		
Material		ABS
Flammability rating according to UL 94		HB
Temperature range	[°C]	-40 ... 80
Components		free from silicone and halogen

Technical data

ABS
HB
-40 ... 80
free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal strip markers, for E/MK, E/MK 1 and E/MBK end brackets, 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			

Ordering data

Type	Order No.	Pcs./Pkt.
KLM	1004306	100

Accessories

Insert strips for thermal transfer printers, 5000 labels per roll				
1 roll = 5000 markers	white	**EMT (24X4)R**	0816265	1
1 roll = 5000 markers	white			

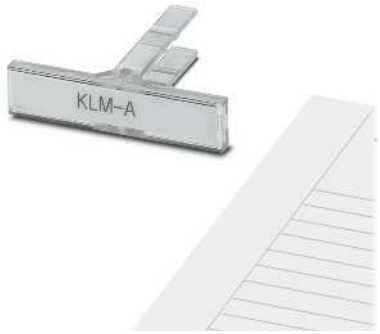
Accessories

EMT (25X6)R	0817264	1

Marking for terminal strips



For CLIPFIX end brackets,
can be marked with label



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

Technical data

General data		
Material		PA
Flammability rating according to UL 94		V2
Temperature range	[°C]	-40 ... 100
Components		Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal strip marker, height adjustable, central surface, for CLIPFIX 15, CLIPFIX 35, and CLIPFIX 35-5 end brackets, lettering field size: 20 x 8 mm	gray	**KLM 4**	0811970	100
Terminal strip markers, for strip marking, adjustable height, for use with end brackets E/UK, E/NS 35 N or CLIPFIX 35, lettering field: 44 x 7 mm	transparent			

Accessories

Insert strips for laser printers, DIN A4, perforated 1 sheet = 136 labels, lettering field size: 44 x 7 mm	white			
UniSheet insert labels for thermal transfer printers 1 UniSheet = 40 labels, lettering field size: 44 x 7 mm	white			
UniSheet, self-adhesive labels for thermal transfer printer 1 UniSheet = 64 labels, lettering field size: 20 x 8 mm	white	**US-EML (20X8)**	0800458	10

Technical data

General data		
Material		ABS
Flammability rating according to UL 94		HB
Temperature range	[°C]	-40 ... 80
Components		free from silicone and halogen

Ordering data

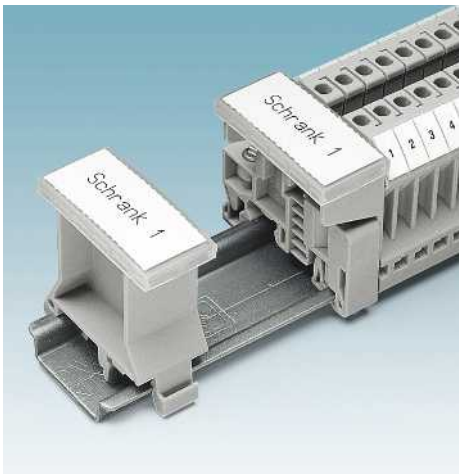
Type	Order No.	Pcs./Pkt.
KLM-A	1004348	100

Accessories

ESL 44X7	0808244	10
US-EMP (44X7)	0829438	10



Marking for terminal strips





For mounting on end bracket

Technical data

General data		
Material		PA
Flammability rating 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.
Terminal strip marker carrier, for marking terminal groups, for end bracket E/UK, 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			
Terminal strip marker carrier, for marking terminal strip groups, for installation on NS 32... - or NS 35... DIN rail, lettering field size: 60 x 10 mm Hood material: PE	gray			
Terminal strip marker carrier, for marking terminal strip groups, for installation on NS 32 or NS 35/7,5, marking field size: 44 x 7 mm	gray			

Accessories

Insert strip for thermal transfer printer, for terminal strip marker UBE/D or UBE				
1 roll = 2300 markers	white	**EMT (40X17)R**	0817293	1
1 roll = 500 labels, lettering field size: 60 x 10 mm	white			
1 roll = 500 labels, lettering field size: 44 x 7 mm	white			
Insert strips for laser printers, DIN A4, perforated				
1 sheet = 56 labels	white	**ESL 40X17**	0808095	10
1 sheet = 72 labels, lettering field size: 60 x 10 mm	white			
1 sheet = 136 labels, lettering field size: 44 x 7 mm	white			
UniSheet insert labels for thermal transfer printers				
1 UniSheet = 16 labels	white	**US-EMP (40X17)**	0829437	10
1 UniSheet = 40 labels, lettering field size: 44 x 7 mm	white			



For mounting on a DIN rail



For DIN rail mounting



For mounting on a DIN rail

Technical data

PA
V2
-40 ... 100
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
UBE/D	0800307	10

Accessories

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

Technical data

-
V0
-40 ... 100
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
UBE/D (60X10)	0803719	50

Accessories

EMT (60X10)R	0804288	1
ESL 60X10	0804287	10

Technical data

-
V0
-40 ... 100
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
UBE/D N+C	0803122	10

Accessories

EMT (44X7)R	0819275	1
ESL 44X7	0808244	10
US-EMP (44X7)	0829438	10

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
– The allow fully insulated mounting of components or DIN rails



For NS 35 and NS 32 DIN rails



For NS 32 DIN rail

	Technical data		
Dimensions	Width	Length	Height
[mm]	**10**	**42.6**	**19**
General data			
Material	PA		
Flammability rating according to UL 94	V2		

	Technical data		
Width	Length	Height	
PA			
-			

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 M3 screws	black	**USA 10 BK**	1200993	10
For M5 screws	gray	**USA 10/4,6**	1202713	10
Universal rail adapter, for NS 32... DIN rail				
	white			

Ordering data		
Type	Order No.	Pcs./Pkt.
FIXOCAP F	1201471	100

Mounting accessories

– The support bracket can be used for totally insulated DIN rail support
– The NS 35/... CAP end caps can be attached to the ends of NS 35/7,5 and NS 35/15 DIN rails



Support bracket, insulated



Protective caps for DIN rails

	Technical data		
Dimensions	Width	Length	Height
[mm]	**38**	**35**	**21**
General data			
Material	PA		
Flammability rating according to UL 94	V2		

	Technical data		
Width	Length	Height	
7	**37.5**	**9**	
PP			
HB			

Ordering data			
Description	Color	Type	Order No.	Pcs./Pkt.
Support bracket, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips				
	gray	**AB/NS**	1201141	10
DIN rail end piece				
for DIN rail NS35/7.5	gray			
for DIN rail NS35/15	gray			

Ordering data		
Type	Order No.	Pcs./Pkt.
NS 35/ 7,5 CAP	1206560	100
NS 35/15 CAP	1206573	100

Component mounting

Cover profiles

– Covering hoods and profiles provide protection against unauthorized actuation of terminal strips
– All covering hoods are closed on all sides
– Specially adjusted contours enable a tight fit to the respective terminal block types, e.g.,the UTME measuring transducer terminal blocks

Notes:

[1]) Please state the length required in cm when ordering. Accuracy 1 mm.



Covering hood, can be sealed



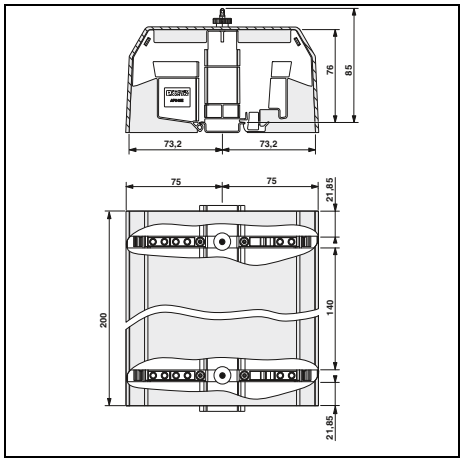
Cover profile

EAC

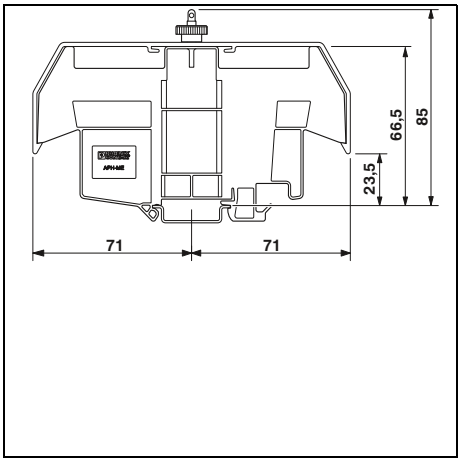
	Technical data	Technical data
General data		
Material	PC	PVC
Flammability rating according to UL 94	V2	V0
Temperature range [°C]	-	-15 ... 65

		Ordering data			Ordering data			
Description	Color	Type	Order No.	Pcs./Pkt.	Type		Order No.	Pcs./Pkt.
	transparent	**AH-ME**	3240265	5				
Dimensions: 145 x 150 x 80 mm	transparent	**AH-ME 145X150X80**	3240266	5				
Dimensions: 115 x 150 x 80 mm	transparent	**AH-ME 115X150X80**	3240267	5				
Dimensions: 200 x 150 x 78 mm	transparent	**AH-ME 200X150X78**	3240268	5				
Cover profile, supply length 1 m	transparent				**AP-ME**	**METER**	3034361	10
Cover profile, please specify the desired length in cm	transparent				**AP-ME CM**		3034345	1
Cover profile, for terminal strips, can be marked using an AP-ES insert strip. Position a cover profile carrier at the ends and at intervals of around 40 cm, length supplied: 1 m	transparent				**AP 2**	**METER**	5022627	1
Cover profile, for terminal strips, can be marked using an AP-ES insert strip. Position a cover profile carrier at the ends and at intervals of around 40 cm, maximum length supplied: 1 m[1]) Can be snapped onto cover profile carrier AP 2-TU	transparent				**AP 2 CM**		5022889	1
Cover profile, for covering terminal strips, snaps onto cover profile carrier AP 3-TU, AP 3-TNS 35, can be marked with insert strip AP-ES. A cover profile carrier should be positioned at the ends and at intervals of around 40 cm. Length supplied: 1 m	transparent				**AP 3**	**METER**	5022643	1
Cover profile, for covering terminal strips, snaps onto cover profile carrier AP 3-TU, AP 3-TNS 35, can be marked with insert strip AP-ES. Position a cover profile carrier at the ends and at intervals of around 40 cm, maximum length supplied: 1 m[1]) Can be snapped onto AP 3-TU or AP 3-TNS 35	transparent				**AP 3 CM**		5022876	1
U-shaped cover, Inner dimensions: 100 x 38 mm, 2 mm thick, maximum supply length: 2.05 m, also required: 2 end brackets E/UK and 2 cover holders VAH, made acc. to length specifications[1])	transparent				**A/U CM**		5021110	1

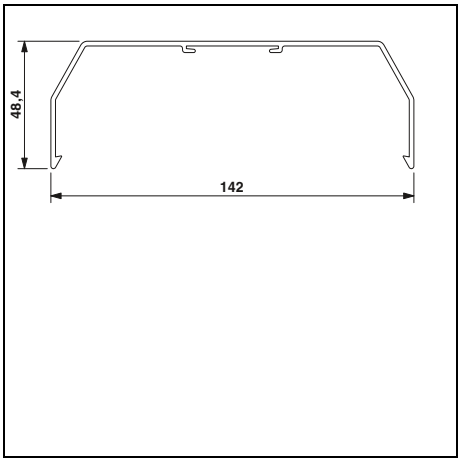
Dimensional drawings



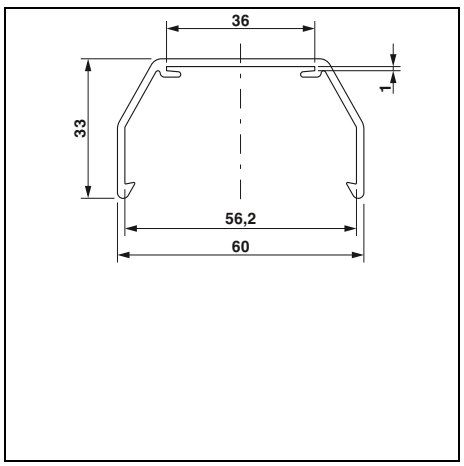
AH-ME



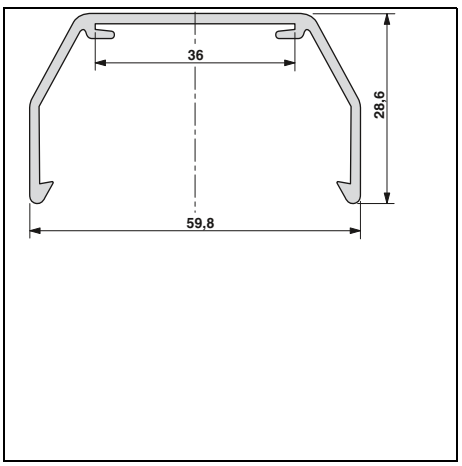
AP-ME



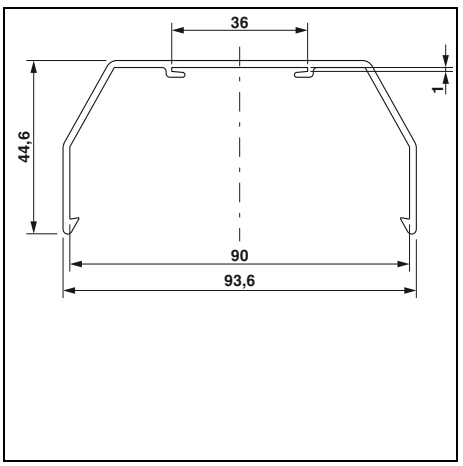
AP-ME CM



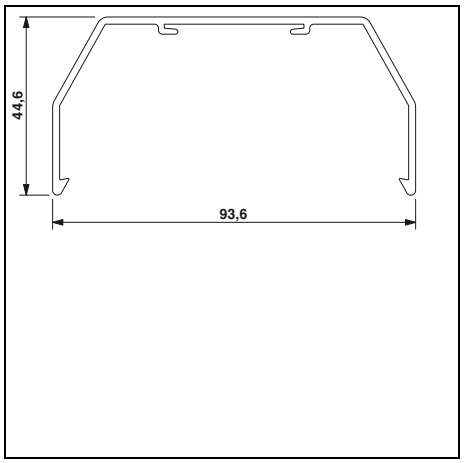
AP 2 METER



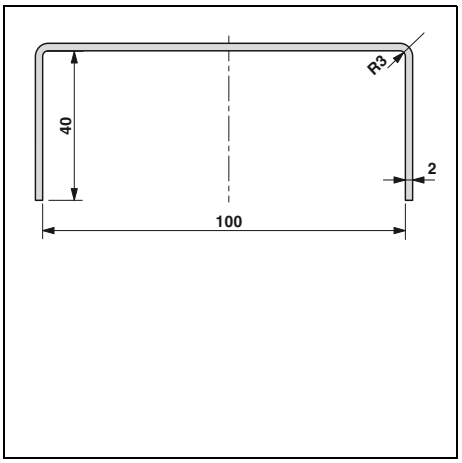
AP 2 CM



AP 3 METER



AP 3 CM



A/U CM

Component mounting

Cover profiles

- The cover profile carriers differ in form and function
- Some profile carriers function as a dividing plate or a sealable dividing plate
- The APH-ME profile carrier e.g., facilities retaining the FBS ...-8 plug-in bridges and is optionally sealable
- The VAH mounting adapter can be latched onto the corresponding end brackets at a certain height



Cover profile carrier

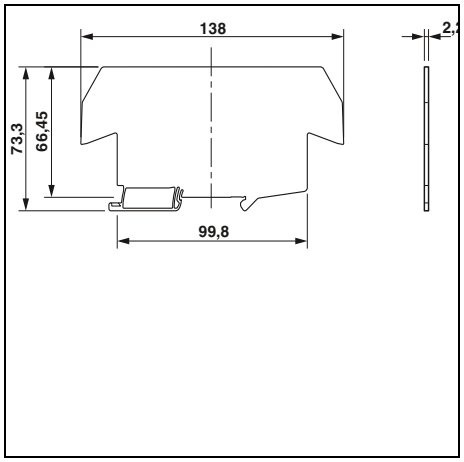


Cover bracket, for latching in the end bracket

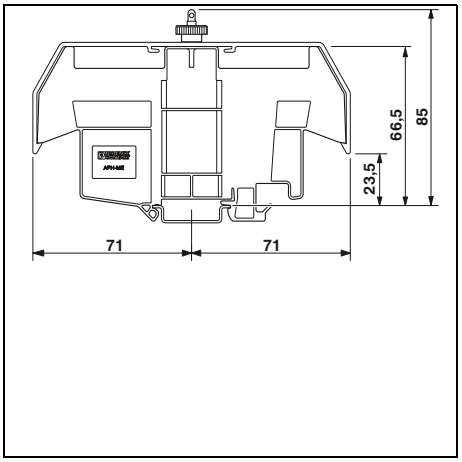
	Technical data	Technical data
General data		
Material	PA	PA
Flammability rating according to UL 94	V0	V2
Temperature range [°C]	-	-

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cover profile carrier, for AP-ME	gray	**APT-ME**	3034358	10			
Cover profile carrier, sealable, for AP-ME cover profile	gray	**APH-ME**	3034374	10			
Cover profile carrier, for mounting on NS 32 or NS 35/7,5 DIN rail, for fixing of the AP cover profile, 2.1 mm thick	gray	**AP 2-TU**	5022630	50			
Sealable cover profile carrier,, for mounting on NS 32 or NS 35/7,5 DIN rail, for fixing the AP 2 cover profile	gray	**AP 2-TU KS**	3034372	10			
Cover profile carrier, for mounting on NS 32 or NS 35/7.5 DIN rail, for fixing the cover profile AP, 2 mm thick, material: PA	gray	**AP 3-TU**	5022656	50			
Sealable cover profile carrier, for mounting on NS 35 DIN rail and for fixing the AP 3 cover profile, with plastic M5 knurled nut, space required: 13 mm	gray	**AP 3-TNS 35**	5022672	10			
Sealable cover profile carrier, for mounting on NS 32 DIN rail, for fixing the AP 3 cover profile, with plastic M5 knurled nut, space required: 13 mm	gray	**AP 3-TNS 32**	5022669	10			
Sealable cover profile carrier, for mounting on NS 32 or NS 35/7,5 DIN rail, for fixing the AP 3 cover profile	gray	**AP 3-TU KS**	3034373	10			
Adjustable cover holder, for mounting covers (up to 3 mm thick), additional requirements: One end bracket E/UK or CLIPFIX 35, material PA	gray				**VAH**	1201468	10
		Accessories			**Accessories**		
Insert strips, for group marking, for sliding into the cover profile AP 2 and AP 3, cardboard, lettering field: 35 x 500 mm	white	**AP-ES**	5022685	10			
End bracket, to screw on, for NS 35 and NS 32, can be marked with ZB 6, KLM, KLM-A and UBE	gray				**E/UK**	1201442	50
End bracket, for latching the VAH	gray				**E/UK-NS 35**	1202577	50
End bracket, to snap on NS 35, 9.5 mm wide, can be marked with ZB 6, ZB 8/27, KLM...	gray				**CLIPFIX 35**	3022218	50

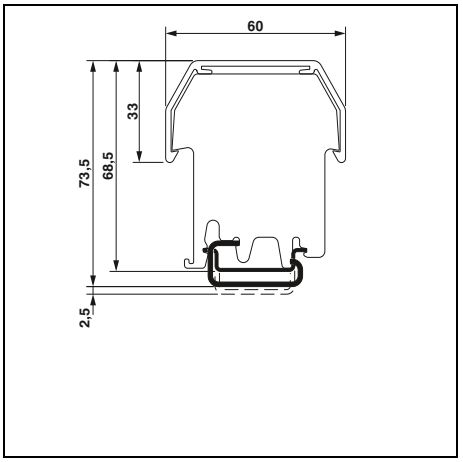
Dimensional drawings



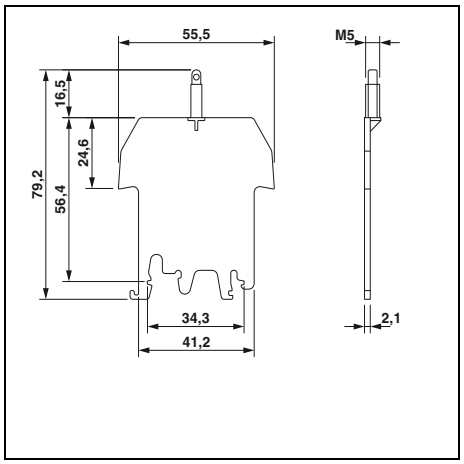
APT-ME



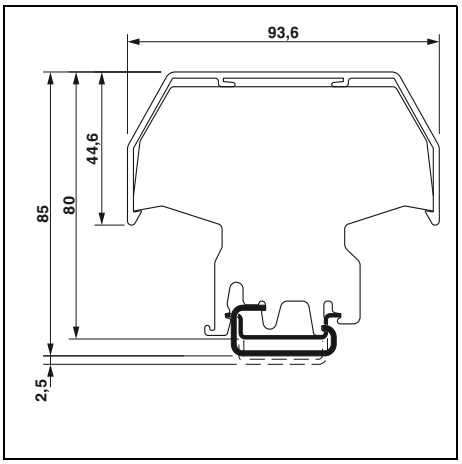
APH-ME



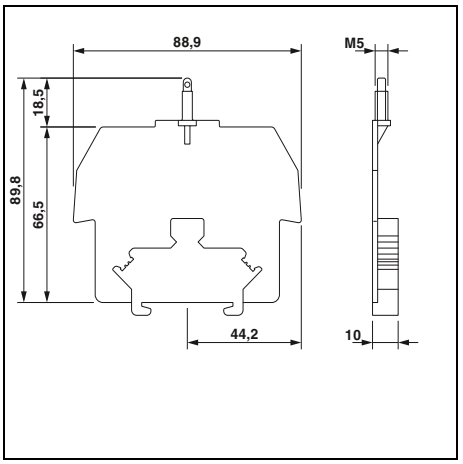
AP 2-TU



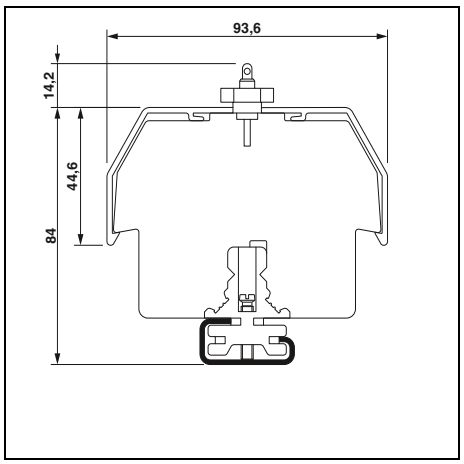
AP 2-TU KS



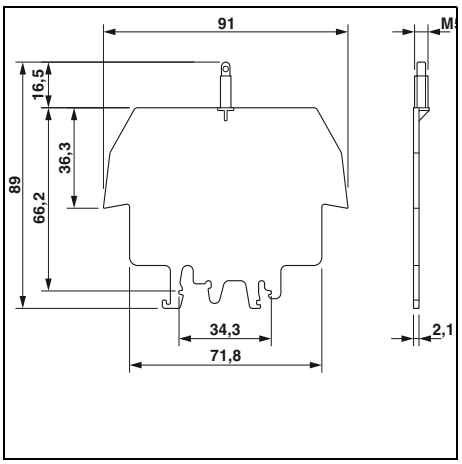
AP 3-TU



AP 3-TNS 35



AP 3-TNS 32



AP 3-TU KS

Cover profiles for UK terminal blocks



- Covering of live parts
- Protection against accidental actuation of terminal block points or disconnect terminal blocks
- Protection against environmental influences
- Cannot be marked



Single cover for UK terminal blocks

Technical data

General data		
Material		ABS
Flammability rating 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 N terminal block,, snap fit	transparent	**EA 4**	0805360	50
Single cover, for covering the UK 3 N, UK 5 N, UK 6 N, UK 4-FSR, UK 4FS/FS,UK 4-LOER terminal blocks, snap fit	transparent	**EA 5**	1024014	100
Single cover, for covering the UK 16 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 marked, snap fit	transparent	**EA 11**	1024263	50

Cover profiles

– Covering of live parts
– Protection against accidental actuation of terminal block points or disconnect terminal blocks
– Protection against environmental influences
– Can be marked



Cover profile, hinged for DIN rail mounting

Technical data

General data		
Material		Polycarbonate PC
Flammability rating 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 marked with Zack marker strip **ZB 10,** 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.
Neutral 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
Neutral busbar, in accordance with DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A			
silver			

	Ordering data		
Type	**Order No.**	Pcs./Pkt.	
NLS-CU 6/ 6 SN 1000MM	**0402161**	10	

Supports for neutral busbars

Three support brackets can be supplied as support for busbars:
- The AB/SS for one rail
- The AB 2/SS for offset arrangement of neutral and (PE) busbars
- The lower ABN 2/SS

Notes:
For dimensional drawings, see phoenixcontact.net/products



Support bracket for shield conn. terminal blocks SK



Support bracket, multi-level, insulated

	Technical data		
Dimensions	Width	Length	Height
[mm]	**19.4**	**23.4**	**21.7**
General data			
Material	PA		
Flammability rating according to UL 94	V0		

	Technical data		
Width	Length	Height	
10	**42**	**48**	
PA			
V0			

	Ordering data		
Description / Color	**Type**	**Order No.**	Pcs./Pkt.
Support bracket, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars			
gray	**AB/SS**	**0404428**	10
With two retaining screws gray	**AB/SS-EX**	**0404415**	10
Double support bracket, insulating material, can be optionally used for either 3 x 10 mm or 6 x 6 mm neutral busbar			
Height 48 mm gray			
Height 36.8 mm gray			
Triple support bracket, made from isolation 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

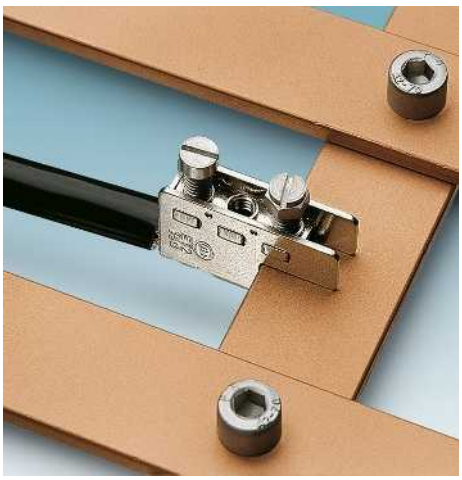
Technical data				
Dimensions	Width	Length	Height	
[mm]	**8**	**40**	**36**	
Maximum electrical data	$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
	76		**0.5 - 16**	**-**
Rated data	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section [A] / [mm²]	57 / 10	-	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.5 - 16	0.5 - 10	0.5 - 16	0.5 - 10
2 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 (UL)	
125		**0.75 - 35**	**-**	
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
125 / 35	-	-	95 / 25	
solid	stranded	Ferrule without/with plastic sleeve		
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35	
0.75 - 10	0.75 - 10	0.75 - 10	-	
14				
M6				
3.2 - 3.7				

Ordering data				
Description	Color	**Type**	I_{max}	**Order No.**	Pcs./Pkt.
Power terminal block, copper, nickel-plated	aluminum color	**EK 116**		**0401010**	10

Ordering data				
Type	I_{max}	**Order No.**	Pcs./Pkt.
EK 135		**0401023**	10

Branch terminals



- A branch of flat copper busbars often has to be produced in switch systems
- This can be done easily with the branch terminal because the terminal block can be attached and firmly clamped anywhere on a copper rail (up to max. 5 mm thick) later on



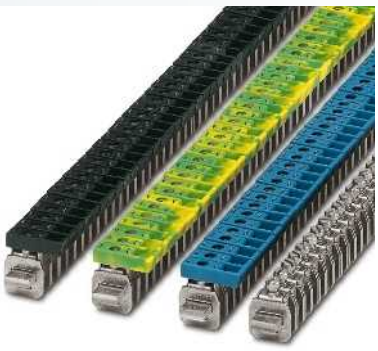
35 (35) mm², 125 A, branch terminal

Technical data				
Dimensions	Width	Length	Height	
[mm]	**12**	**40**	**36**	
Maximum electrical data	$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
	125		**0.75 - 35**	**-**
Rated data	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section [A] / [mm²]	125 / 35	-	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
2 conductors (of the same type) [mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
General data				
Stripping length [mm]	15			
Screw thread	M6			
Tightening torque [Nm]	3.2 - 3.7			

Ordering data				
Description	Color	**Type**	I_{max}	**Order No.**	Pcs./Pkt.
Branch terminal, for connection to copper bars up to 5 mm thick	aluminum color	**AZK 35**		**0702997**	10

L/N/PE connection terminal blocks





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

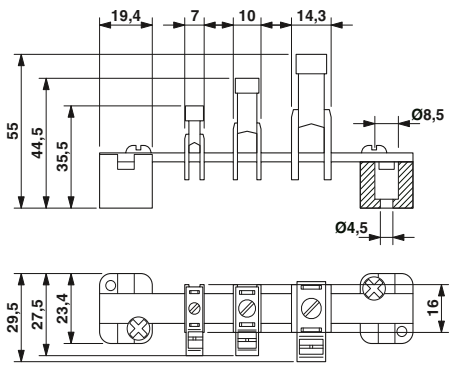
– In electrical systems subject to the setup requirements of DIN VDE 0100 or IEC 60204−1 / EN 60204−1 / VDE 0113−1, N, PE or phase conductor L are often connected to central busbars. This requires the conductor and/or terminal block to be clearly labeled for the corresponding circuit.
The connection terminal blocks satisfy these requirements:
– Through individual marking of each terminal block
– By their blue, green-yellow or black colored housings
– Large marking possible with ZB, UC-TM, UCT-TM

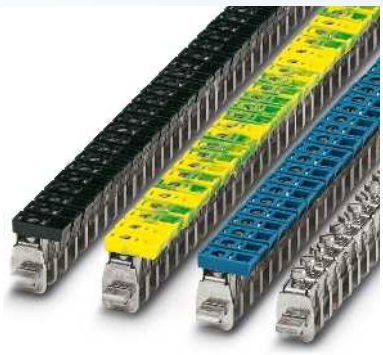
Technical data

Dimensions					
	[mm]	Width	Length	Height	
		7	**23.7**	**23.6**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**300**	**0.5 - 6**	**22-12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	300	300	-	-
Nominal current / cross section	[A] / [mm²]	41 / 4	20 / -	20 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	20 - 10	22-12	22-12	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 6	0.5 - 4	0.5 - 6	0.5 - 6
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
2 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			
Flammability rating according to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Connection terminal block, steel, pushed onto NLS neutral busbar, can be marked with ZB ...	black	**AKG 4 BK**	0421032	50
Up to 6 mm² solid, 7 mm wide	green-yellow	**AKG 4 GNYE**	0421029	50
	blue	**AKG 4 BU**	0421016	50
	red	**AKG 4 RD**	3062922	50
	green	**AKG 4 GN**	3062935	50
	yellow	**AKG 4 YE**	3062948	50
With Ex approval	black	**AKG 4 BK-EX**	0421058	50
	green-yellow	**AKG 4 GNYE-EX**	0421045	50
	blue	**AKG 4 BU-EX**	0421061	50
Without insulating cap	silver	**AK 4**	0404017	50
Connection terminal block, steel, pushed onto NLS neutral busbar, can be marked with ZB ...	black			
Up to 16 mm² solid, 10 mm wide	green-yellow			
	blue			
	gray			
	red			
	green			
	yellow			
Without insulating cap	silver			
Connection terminal block, steel, pushed onto NLS neutral busbar, can be marked with ZB ...	black			
Up to 35 mm² solid, 14.3 mm wide	green-yellow			
	blue			
	red			
	green			
	yellow			
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]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
76	**300**	**1.5 - 16**	**18-6**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
300	300	-	-
76 / 16	50 / -	65 / -	-
16	-	-	-
16 - 6	18-6	18-6	-
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	Order No.	Pcs./Pkt.
AKG 16 BK	0423030	50
AKG 16 GNYE	0423027	50
AKG 16 BU	0423014	50
AKG 16 GY	0423043	50
AKG 16 RD	3062951	50
AKG 16 GN	3062964	50
AKG 16 YE	3062977	50
AK 16	0404033	50

Technical data

Width	Length	Height	
14.3	**27**	**39**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
125	**300**	**2.5 - 35**	**18-2**
IEC / EN IEC	UL / CUL	CSA	IEC/ EN 60079-7
300	300	-	-
125 / 35	115 / -	135 / -	-
35	-	-	-
14 - 2	18-2	18-2	-
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	Order No.	Pcs./Pkt.
AKG 35 BK	0424039	50
AKG 35 GNYE	0424026	50
AKG 35 BU	0424013	50
AKG 35 RD	3062980	50
AKG 35 GN	3062993	50
AKG 35 YE	3063002	50
AK 35	0404046	50

Europe connectors

Notes:
For more variants, see phoenixcontact.net/products.





2.5 (2.5) mm², 24 A, 12-pos.

- 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

Technical data

Dimensions		Width	Length	Height	
	[mm]	**16.2**	**93.6**	**13.4**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**450**	**0.5 - 2.5**	**22-12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	20 - 14	22-12	-	-
Connection capacity		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
2 conductors (of the same type)	[mm²]	0.5 - 0.75	0.5 - 0.75	-	-
2 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			
Flammability rating according to UL 94		V2			

Ordering data

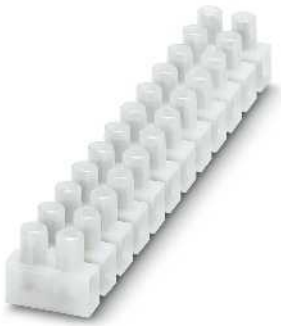
Description	Color	Type	Order No.	Pcs./Pkt.
Europe connector, 12-pos., with wire protection	transparent	**EC 2,5 P TR**	3240167	10



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 (UL)
32	**450**	**0.75 - 4**	**20-10**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
32 / 4	30 / -	-	-
4	-	-	-
18 - 12	20-10	-	-
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 (UL)
41	**450**	**1 - 6**	**14-8**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
16 - 10	14-8	-	-
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

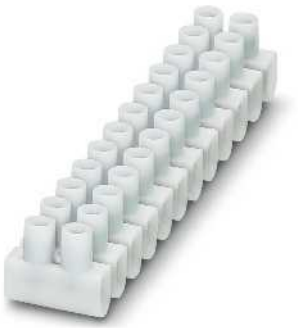
Width	Length	Height	
25.2	**173.9**	**20.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
76	**450**	**6 - 16**	**10-6**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
76 / 16	55 / -	-	-
16	-	-	-
10 - 6	10-6	-	-
solid	stranded	Ferrule without/with plastic sleeve	
6 - 16	6 - 16	1.5 - 10	1.5 - 10
1.5 - 4	2.5 - 4	1.5 - 2.5	-
-	-	-	0.75 - 2.5
8			
M4			
1.2 - 1.5			
PA			
V2			

Ordering data

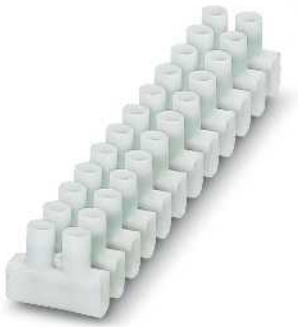
Type	Order No.	Pcs./Pkt.
EC 16 P TR	3240182	10

Europe connectors

- These Europe connectors are suitable for solid and stranded conductors with a max. cr. sect. of 25 mm²
- The prismatic clamping part facilitates conductor entry and secure contact can be established even in the case of conductors without ferrules
- Individual positions can be separated through a simple rotary motion, due to the polypropylene insulating housing
- The high-quality metal parts, which feature corrosion-resistant surfaces, are fixed securely in the housing



4 (4) mm², 32 A, 12-pos.



6 (6) mm², 41 A, 12-pos.

Technical data

Dimensions		Width	Length	Height	
	[mm]	**16.6**	**94.9**	**13**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**450**	**0.5 - 4**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	-	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	-	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	20 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 4	0.5 - 4	0.75 - 2.5	0.75 - 2.5
2 conductors (of the same type)	[mm²]	0.5 - 1	- 1	-	-
2 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
	transparent	**EC 4 TR**	3240170	10

Technical data

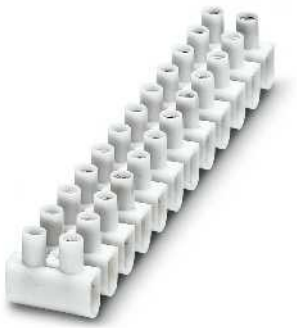
Dimensions		Width	Length	Height	
	[mm]	**18.9**	**116.5**	**14.9**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**450**	**0.75 - 6**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	-	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	-	-	-
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
2 conductors (of the same type)	[mm²]	0.75 - 1.5	0.75 - 1.5	0.5 - 1	-
2 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

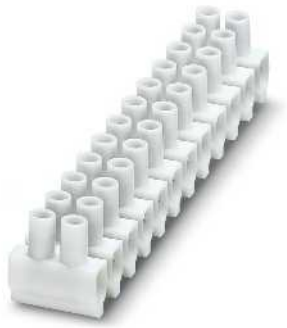
Type	Order No.	Pcs./Pkt.
EC 6	3240172	10
EC 6 BK	3240173	10
EC 6 TR	3240174	10



10 (10) mm², 57 A, 12-pos.



16 (16) mm², 76 A, 12-pos.



25 (25) mm², 101 A, 12-pos.

EAC

Technical data

Width	Length	Height	
17.3	**133.8**	**23.4**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	**450**	**1 - 10**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	-	-	-
57 / 10	-	-	-
10	-	-	-
16 - 8	-	-	-
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
EC 10 TR	3240178	10

EAC

Technical data

Width	Length	Height	
20.7	**174.5**	**25**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
76	**450**	**1.5 - 16**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	-	-	-
76 / 16	-	-	-
16	-	-	-
14 - 6	-	-	-
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
EC 16 TR	3240181	10

EAC

Technical data

Width	Length	Height	
30	**187.3**	**28**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
101	**750**	**10 - 25**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
750	-	-	-
101 / 25	-	-	-
25	-	-	-
8 - 4	-	-	-
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
EC 25 TR	3240185	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 are wired together in a junction box connector
- The transparent housing makes it easier to carry out a visual inspection of the terminal block 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**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**450**	**0.5 - 2.5**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	600	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	12	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	20 - 14	20-16	-	-
Connection capacity		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			
Flammability rating 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., width: 26 mm	transparent	**JBC 2,5/5**	3240165	100
8-pos., width: 39.2 mm	transparent	**JBC 2,5/8**	3240166	50

Mini feed-through and ground terminal blocks

Notes:

For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.

new



17.5 A, micro distribution block, 2 connections

new



17.5 A, micro distribution block, multiple connections

Technical data

Dimensions		Width	Length	Height	
	[mm]	**4.2**	**20**	**17.5**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**450**	**0.14 - 1.5**	**26-14**
Rated data		EN 60998-2-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	300	300	-
Nominal current / cross section	[A] / [mm²]	17.5 / -	15	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	26-14	26-14	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 1.5	0.25 - 1
Connection cross sections directly pluggable	[mm²]	0.34 - 1.5	-	0.5 - 1.5	0.5 - 1
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block	gray	**MPI 1,5**	3248490	20
Potential distributor, 4 connections	gray			
6 connections, 12.6 mm width	gray			
8 connections, 16.8 mm width	gray			

Technical data

		Width	Length	Height	
	[mm]	**8.4**	**20**	**17.5**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**450**	**0.14 - 1.5**	**26-14**
		EN 60998-2-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	300	300	-
Nominal current / cross section	[A] / [mm²]	17.5 / -	15	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	26-14	26-14	-
		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 1.5	0.25 - 1
Connection cross sections directly pluggable	[mm²]	0.34 - 1.5	-	0.5 - 1.5	0.5 - 1
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating according to UL 94		V0			

Ordering data

Type	Order No.	Pcs./Pkt.
MPI 4X1,5	3248491	20
MPI 6X1,5	3248492	20
MPI 8X1,5	3248493	20

Control cabinet sockets

Notes:

For accessories, refer to page: 610.

new





Individual socket, Germany, Push-in connection

Sockets that can be mounted on DIN rails serve for easy connection of electrical auxiliary devices for assembly, testing, lighting, etc.. They enable worldwide use in switchgear, control cabinets, and in simple sub-distributions. Worldwide use makes it essential to offer the sockets with pin connector patterns that are standard in each country, according to the currently applicable standards and regulations. The mounting holes in the sockets mean that, in addition to mounting on a DIN rail according to EN 60715, there is also the option of direct mounting in the service interface. The EO sockets are offered with both the proven screw connection, as well as the modern Push-in connection. The integrated functions such as LED, fuse, switch, circuit breaker or a combination of the functions with each other, offers a wide area of use.

Country-specific requirements for child protection are fulfilled by the use of shutter systems. L1, N, and PE are arranged on one side of the socket in line with connections. The sockets are available as an individual or double version. The following pin connector patterns can be selected from the sockets:

– Type AB, type CF, type D, type E, type G, type H, type I, type J, type K, type L, and type N
– Type L and type E are also supplied with an integrated shutter system
– The USA versions are offered with integrated circuit breaker in 15 A and 20 A
– Housing color: gray or green

With the VS-SI-xx / SI-xx mounting frame, the sockets can be used in various IP protection classes. For further information, visit phoenixcontact.net/products

Technical data

Nominal voltage		250 V AC	
Max. continuous current		16 A	
General data		EO-...	EO-...DUO...
Dimensions	W / H / D	45 mm / 75 mm / 60 mm	90 mm / 75 mm / 60 mm
Connection data 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		VDE 0620-1	

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Sockets for the DIN rail, Push-in connection			
Default, gray	**EO-CF/PT**	**0804038**	5
Default, green	**EO-CF/PT/GN**	**0804039**	5
LED display, gray	**EO-CF/PT/LED**	**0804040**	5
LED display, green	**EO-CF/PT/LED/GN**	**0804041**	5
LED display and fuse 5 x 20 mm, 6.3 A, gray	**EO-CF/PT/LED/F**	**0804042**	5
Circuit breaker 15 A, gray LED display and fuse 5 x 20 mm, 6.3 A, green	**EO-CF/PT/LED/F/GN**	**0804043**	5
Switch, gray	**EO-CF/PT/S**	**0804045**	5
Switch, green	**EO-CF/PT/LED/S**	**0804046**	5
Fuse 5 x 20 mm, 6.3 A, gray	**EO-CF/PT/F**	**0804047**	5
Fuse 5 x 20 mm, 6.3 A, green	**EO-CF/PT/F/GN**	**0804048**	5
Double socket, LED display, gray	**EO-CF/PT/LED/DUO**	**0804049**	2
Double socket, LED display, green	**EO-CF/PT/LED/DUO/GN**	**0804050**	2
Socket for the DIN rail, screw connection			
Default, gray	**EO-CF/UT**	**0804024**	5
Default, green	**EO-CF/UT/GN**	**0804025**	5
LED display, gray	**EO-CF/UT/LED**	**0804026**	5
LED display, green	**EO-CF/UT/LED/GN**	**0804027**	5
LED display and fuse 5 x 20 mm, 6.3 A, gray	**EO-CF/UT/LED/F**	**0804029**	5
Circuit breaker 15 A, gray Circuit breaker 20 A, gray LED display and fuse 5 x 20 mm, 6.3 A, green	**EO-CF/UT/LED/F/GN**	**0804030**	5
Switch, gray	**EO-CF/UT/S**	**0804032**	5
Switch, green	**EO-CF/UT/LED/S**	**0804033**	5
Fuse 5 x 20 mm, 6.3 A, gray	**EO-CF/UT/F**	**0804034**	5
Fuse 5 x 20 mm, 6.3 A, green	**EO-CF/UT/F/GN**	**0804035**	5
Double socket, LED display, gray	**EO-CF/UT/LED/DUO**	**0804036**	2
Double socket, LED display, green	**EO-CF/UT/LED/DUO/GN**	**0804037**	2

new



Individual socket, USA, Push-in connection

new



Double socket, USA, circuit breaker, Push-in connection

new



Individual socket, India, Africa, Push-in connection

Technical data

125 V AC
15 A

EO-...	EO-...DUO...
45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm

0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12
IP20
CuZn37
-20 °C ... 60 °C
UL 508

Ordering data

Type	Order No.	Pcs./Pkt.
EO-AB/PT/15	0804165	5
EO-AB/PT/LED/15	0804168	5
EO-AB/PT/LED/F	0804171	5
EO-AB/PT/S/15	0804173	5
EO-AB/PT/LED/S/15	0804174	5
EO-AB/PT/F	0804175	5
EO-AB/PT/LED/DUO/15	0804177	2
EO-AB/UT/15	0804152	5
EO-AB/UT/LED/15	0804155	5
EO-AB/UT/LED/F	0804157	5
EO-AB/UT/S/15	0804159	5
EO-AB/UT/LED/S/15	0804160	5
EO-AB/UT/F	0804161	5
EO-AB/UT/LED/DUO/15	0804163	2

Technical data

125 V AC
15 A

EO-...
54 mm / 137 mm / 57.5 mm

0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12
IP20
CuZn37
-20 °C ... 60 °C
UL 508

Ordering data

Type	Order No.	Pcs./Pkt.
EO-AB/PT/LED/DUO/V/GFI/15	0804184	1
EO-AB/UT/LED/DUO/V/GFI/15	0804179	1
EO-AB/UT/LED/DUO/V/GFI/20	0804181	1

Technical data

250 V AC
10 A

EO-...	EO-...DUO...
45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm

0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12
IP20
CuZn37
-20 °C ... 60 °C
IS 1293

Ordering data

Type	Order No.	Pcs./Pkt.
EO-D/PT	0804009	5
EO-D/PT/GN	0804010	5
EO-D/PT/LED	0804011	5
EO-D/PT/LED/GN	0804012	5
EO-D/PT/LED/DUO	0804013	2
EO-D/PT/LED/DUO/GN	0804014	2
EO-D/UT	0804000	5
EO-D/UT/GN	0804001	5
EO-D/UT/LED	0804003	5
EO-D/UT/LED/GN	0804004	5
EO-D/UT/F	0804005	5
EO-D/UT/F/GN	0804006	5
EO-D/UT/LED/DUO	0804007	2
EO-D/UT/LED/DUO/GN	0804008	2

Control cabinet sockets

new





**Individual socket, Italy,
Push-in connection with shutter**

To prevent unwanted contact with current-carrying components, the type E, G, and type L sockets have integrated touch safety (child-proofing). This is established in the CEI 23-50 and NF C61-314 standards.

Technical data

Nominal voltage		250 V AC	
Max. continuous current		16 A	
General data		EO-...	EO-...DUO...
Dimensions	W / H / D	45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm
Connection data 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		CEI 23-50	

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Sockets for the DIN rail, Push-in connection				
Default, gray		**EO-L/PT/SH**	0804132	5
Default, green		**EO-L/PT/SH/GN**	0804133	5
LED display, gray		**EO-L/PT/SH/LED**	0804134	5
LED display, green		**EO-L/PT/SH/LED/GN**	0804135	5
Double socket, LED display, gray		**EO-L/PT/SH/LED/DUO**	0804136	2
Double socket, LED display, green		**EO-L/PT/SH/LED/DUO/GN**	0804137	2
Switch, gray				
Switch, green				
Socket for the DIN rail, screw connection				
Default, gray		**EO-L/UT/SH**	0804126	5
Default, green		**EO-L/UT/SH/GN**	0804127	5
LED display, gray		**EO-L/UT/SH/LED**	0804128	5
LED display, green		**EO-L/UT/SH/LED/GN**	0804129	5
Double socket, LED display, gray		**EO-L/UT/SH/LED/DUO**	0804130	2
Double socket, LED display, green		**EO-L/UT/SH/LED/DUO/GN**	0804131	2
Switch, gray				
Switch, green				

Accessories

UniCard, for terminal blocks with a flat marker groove, 64-section, 7 individual labels per strip, for a terminal block width of 8.2 mm	white	**UC-TMF 8**	0818137	10
UniCard, for terminal blocks with a flat marker groove, 32-section, 4 individual labels per strip, for a terminal block width of 16 mm	white	**UC-TMF 16**	0819262	10
Zack marker strip, flat, 10-section, without color print	white	**ZBF 8:UNBEDRUCKT**	0808781	10
Zack marker strip, flat, 5-section, without color print	white	**ZBF 16:UNPRINTED**	0827464	10

new



Individual socket, France, Push-in connection with shutter

new



Individual socket, Great Britain, Push-in connection with shutter

new



Individual socket, Israel, Push-in connection

Technical data

250 V AC	
16 A	
EO-...	
45 mm / 75 mm / 57.5 mm	
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
IP20	
CuZn37	
-20 °C ... 60 °C	
NF C61-314	

Ordering data

Type	Order No.	Pcs./Pkt.
EO-E/PT/SH	0804020	5
EO-E/PT/SH/GN	0804021	5
EO-E/PT/SH/LED	0804022	5
EO-E/PT/SH/LED/GN	0804023	5
EO-E/UT/SH	0804016	5
EO-E/UT/SH/GN	0804017	5
EO-E/UT/SH/LED	0804018	5
EO-E/UT/SH/LED/GN	0804019	5

Accessories

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

Technical data

250 V AC	
13 A	
EO-...	
45 mm / 75 mm / 57.5 mm	
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
IP20	
CuZn37	
-20 °C ... 60 °C	
BS 1363-1/-2	

Ordering data

Type	Order No.	Pcs./Pkt.
EO-G/PT/SH	0804063	5
EO-G/PT/SH/GN	0804064	5
EO-G/PT/SH/LED	0804065	5
EO-G/PT/SH/LED/GN	0804066	5
EO-G/PT/SH/S	0804069	5
EO-G/PT/SH/LED/S	0804070	5
EO-G/UT/SH	0804051	5
EO-G/UT/SH/GN	0804052	5
EO-G/UT/SH/LED	0804053	5
EO-G/UT/SH/LED/GN	0804054	5
EO-G/UT/SH/S	0804058	5
EO-G/UT/SH/LED/S	0804059	5

Accessories

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

Technical data

250 V AC	
16 A	
EO-...	EO-...DUO...
45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
IP20	
CuZn37	
-20 °C ... 60 °C	
SI-32	

Ordering data

Type	Order No.	Pcs./Pkt.
EO-H/PT	0804080	5
EO-H/PT/GN	0804081	5
EO-H/PT/LED	0804082	5
EO-H/PT/LED/GN	0804083	5
EO-H/PT/LED/DUO	0804084	2
EO-H/PT/LED/DUO/GN	0804085	2
EO-H/UT	0804074	5
EO-H/UT/GN	0804075	5
EO-H/UT/LED	0804076	5
EO-H/UT/LED/GN	0804077	5
EO-H/UT/LED/DUO	0804078	2
EO-H/UT/LED/DUO/GN	0804079	2

Accessories

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

Control cabinet sockets

new



The socket can be operated independently of the control cabinet circuit. In the event of an error, this enables the use of current-operated external measurement devices, that are called upon for fault analysis. An LED display advises of the voltage connected to the socket.



Individual socket, Brazil, South Africa, Push-in connection

Technical data

Nominal voltage		250 V AC	
Max. continuous current		20 A	
General data		EO-...	EO-...DUO...
Dimensions	W / H / D	45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm
Connection data 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		NBR 14136	

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Sockets for the DIN rail, Push-in connection				
Default, gray		**EO-N/PT**	0804146	5
Default, green		**EO-N/PT/GN**	0804147	5
LED display, gray		**EO-N/PT/LED**	0804148	5
LED display, green		**EO-N/PT/LED/GN**	0804149	5
Double socket, LED display, gray		**EO-N/PT/LED/DUO**	0804150	2
Double socket, LED display, green		**EO-N/PT/LED/DUO/GN**	0804151	2
Socket for the DIN rail, screw connection				
Default, gray		**EO-N/UT**	0804139	5
Default, green		**EO-N/UT/GN**	0804140	5
LED display, gray		**EO-N/UT/LED**	0804142	5
LED display, green		**EO-N/UT/LED/GN**	0804143	5
Double socket, LED display, gray		**EO-N/UT/LED/DUO**	0804144	2
Double socket, LED display, green		**EO-N/UT/LED/DUO/GN**	0804145	2

Accessories

UniCard, for terminal blocks with a flat marker groove, 64-section, 7 individual labels per strip, for a terminal block width of 8.2 mm	white	**UC-TMF 8**	0818137	10
UniCard, for terminal blocks with a flat marker groove, 32-section, 4 individual labels per strip, for a terminal block width of 16 mm	white	**UC-TMF 16**	0819262	10
Zack marker strip, flat, 10-section, without color print	white	**ZBF 8:UNBEDRUCKT**	0808781	10
Zack marker strip, flat, 5-section, without color print	white	**ZBF 16:UNPRINTED**	0827464	10

new



Individual socket, China, Australia, Push-in connection

new



Individual socket, Switzerland, Push-in connection

new



Individual socket, Denmark, Push-in connection

Technical data

250 V AC	
16 A	
EO-...	EO-...DUO...
45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
IP20	
CuZn37	
-20 °C ... 60 °C	
GB2009.1 and GB2099.4	

Ordering data

Type	Order No.	Pcs./Pkt.
EO-I/PT	0804093	5
EO-I/PT/GN	0804094	5
EO-I/PT/LED	0804095	5
EO-I/PT/LED/GN	0804096	5
EO-I/PT/LED/DUO	0804097	2
EO-I/PT/LED/DUO/GN	0804098	2
EO-I/UT	0804087	5
EO-I/UT/GN	0804088	5
EO-I/UT/LED	0804089	5
EO-I/UT/LED/GN	0804090	5
EO-I/UT/LED/DUO	0804091	2
EO-I/UT/LED/DUO/GN	0804092	2

Accessories

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

Technical data

250 V AC	
16 A	
EO-...	EO-...DUO...
45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
IP20	
CuZn37	
-20 °C ... 60 °C	
SEV 1011	

Ordering data

Type	Order No.	Pcs./Pkt.
EO-J/PT	0804105	5
EO-J/PT/GN	0804106	5
EO-J/PT/LED	0804107	5
EO-J/PT/LED/GN	0804108	5
EO-J/PT/LED/DUO	0804110	2
EO-J/PT/LED/DUO/GN	0804111	2
EO-J/UT	0804099	5
EO-J/UT/GN	0804100	5
EO-J/UT/LED	0804101	5
EO-J/UT/LED/GN	0804102	5
EO-J/UT/LED/DUO	0804103	2
EO-J/UT/LED/DUO/GN	0804104	2

Accessories

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

Technical data

250 V AC	
13 A	
EO-...	EO-...DUO...
45 mm / 75 mm / 57.5 mm	90 mm / 75 mm / 57.5 mm
0.2 - 4 mm² / 0.2 - 2.5 mm² / 24 - 12	
IP20	
CuZn37	
-20 °C ... 60 °C	
SR 107-2-D1	

Ordering data

Type	Order No.	Pcs./Pkt.
EO-K/PT	0804119	5
EO-K/PT/GN	0804120	5
EO-K/PT/LED	0804121	5
EO-K/PT/LED/GN	0804122	5
EO-K/PT/LED/DUO	0804123	2
EO-K/PT/LED/DUO/GN	0804124	2
EO-K/UT	0804113	5
EO-K/UT/GN	0804114	5
EO-K/UT/LED	0804115	5
EO-K/UT/LED/GN	0804116	5
EO-K/UT/LED/DUO	0804117	2
EO-K/UT/LED/DUO/GN	0804118	2

Accessories

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

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
– Suitable for direct and busbar mounting

Notes:
Dimensional drawings can be found on page 621.



Shield connection clamps for busbar mounting



Shield connection clamps for direct mounting

EAC

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shield connection clamp, for applying the shield to busbars, contact resistance < 1 mΩ				
Ø 2-5 mm, tightening torque 0.4 Nm	silver	**SK 5**	3025338	10
Ø 3-8 mm, tightening torque 0.6 Nm	silver	**SK 8**	3025163	10
Ø 3-14 mm, tightening torque 0.8 Nm	silver	**SK 14**	3025176	10
Ø 5-20 mm, tightening torque 0.8 Nm	silver	**SK 20**	3025189	10
Ø 5 - 28 mm, tightening torque 1 Nm	silver	**SK 28**	3026997	10
Ø 20-35 mm, tightening torque 1.2 Nm	silver	**SK 35**	3026463	10
Shield connection clamp, for applying the shield directly to the conductive mounting plates, plate thickness 1-2 mm				
Ø 2-5 mm, tightening torque 0.4 Nm	silver			
Ø 3-8 mm, tightening torque 0.6 Nm	silver			
Ø 3-14 mm, tightening torque 0.8 Nm	silver			
Ø 5-20 mm, tightening torque 0.8 Nm	silver			
Ø 5 - 28 mm, tightening torque 1 Nm	silver			
Ø 20-35 mm, tightening torque 1.2 Nm	silver			

Accessories

Neutral busbar, 3 x 10 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A			
	NLS-CU 3/10 SN 1000MM	0402174	10

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SK 5-D	3025406	10
SK 8-D	3026861	10
SK 14-D	3026874	10
SK 20-D	3026887	10
SK 28-D	3027006	10
SK 35-D	3026890	10

Accessories

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:

Dimensional drawings can be found on page 621.



Shield connection clamps for busbar and direct mounting



Shield connection clamps for DIN rail mounting

EAC

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shield connection clamp, for applying the shield to busbars, contact resistance < 1 mΩ				
Ø 3-8 mm	silver	**SKS 8**	3240210	10
Ø 3-14 mm	silver	**SKS 14**	3240211	10
Ø 5-20 mm	silver	**SKS 20**	3240212	10
Shield connection clamp, for directly applying the shield to conductive mounting plates, metal thickness 1-2 mm, with fastening screw M4				
Ø 3-8 mm	silver	**SKS 8-D**	3240213	10
Ø 3-14 mm	silver	**SKS 14-D**	3240214	10
Ø 5-20 mm	silver	**SKS 20-D**	3240215	10
Ø 5-32 mm	silver	**SKS 32-D**	3062906	10

Accessories

Neutral busbar, 3 x 10 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A				
		NLS-CU 3/10 SN 1000MM	0402174	10

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
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

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

Support bracket for shield support on one side



AB-SK TOP

– For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
– The 3 x 10 mm rail can be mounted in the support frames vertically, horizontally and at a 45° angle for optimum conductor placing
– Compact design in a 5.2 mm pitch
– Can be marked with zack marker strip and KLM ... terminal block strip markers
– Parking facility for FBS plug-in bridges
– End bracket function
– For mounting SK and SKS shield connection clamps

AB-SK

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

AB-SKS

– For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
– Isolated to DIN rail
– End bracket function
– For mounting SK and SKS shield connection clamps



Support bracket frame, tall, for SK and SKS shield connection clamps

Technical data

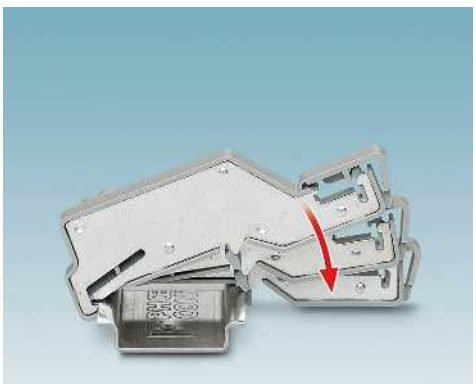
Dimensions			
	Width	Length	Height
[mm]	5.2	102.4	
General data			
Material	PA		

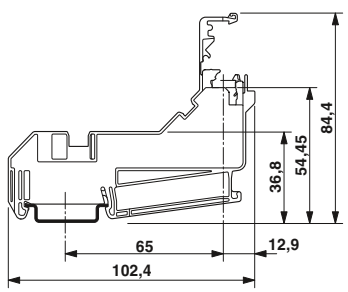
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Support bracket frame with end 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 TOP**	3062090	10
Support bracket with end bracket function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray	**AB-SK TOP INSULATED**	3062074	10
Support bracket, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			
Support bracket, 65 mm, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			
Support bracket with end bracket function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray			

Accessories

Neutral busbar, 3 x 10 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	0402174	10
Lateral groove marking		**UC-TM 5, UCT-TM 5 or ZB 5** **UC-TMF 5, UCT-TMF 5 or ZBF 5**		





AB-SK TOP



Support bracket frame, for SK shield connection clamps



Support bracket, 65 mm long, for SK shield connection clamps



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

Technical data

Width	Length	Height
6.2	77.35	

PA

Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK	3025341	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height
6.2	95.5	

PA

Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK 65	3026489	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height
9.5	97.8	

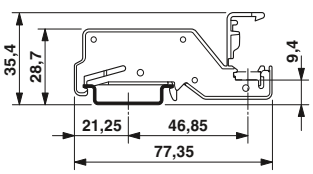
PA

Ordering data

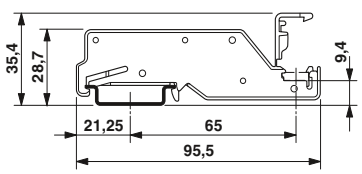
Type	Order No.	Pcs./Pkt.
AB-SKS 60	3240223	10

Accessories

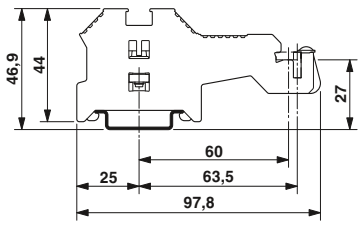
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK

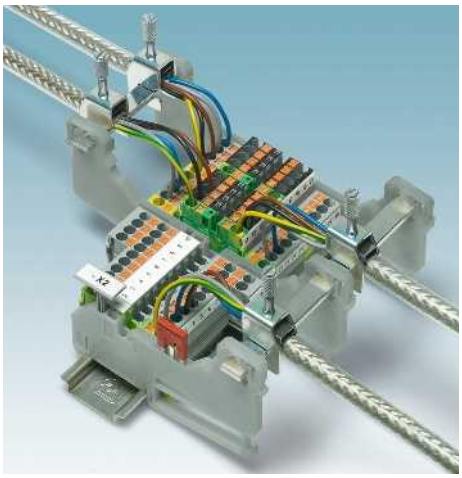


AB-SK 65



AB-SKS 60

Double support bracket for shield support on both sides



AB-SK-D TOP

- For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
- The 3 x 10 mm rail can be mounted in the support frames vertically, horizontally and at a 45° angle for optimum conductor placing
- Compact design in a 5.2 mm pitch
- Can be marked with zack marker strip and KLM ... terminal strip markers
- Parking facility for bridges and connectors
- For mounting SK and SKS shield connection clamps

AB-SK 65-D

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



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

Technical data

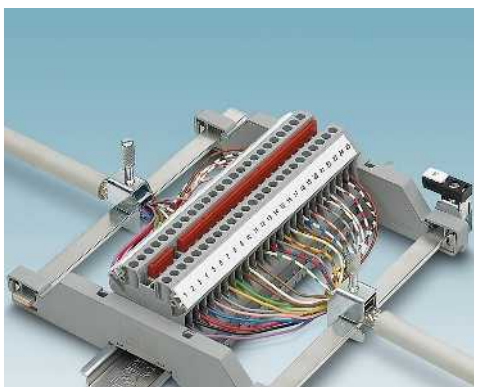
Dimensions			
	Width	Length	Height
[mm]	5.2	155.8	
General data			
Material	PA		

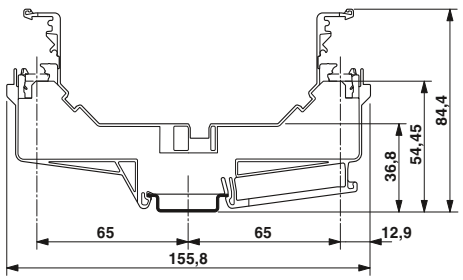
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Double support bracket with end bracket function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK and SKS shield connection clamps	gray	**AB-SK-D TOP**	3062100	10
Double support bracket with end bracket function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray			
Double support bracket, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			
Double support bracket, 65 mm, for mounting on NS 35..., isolated to NS 35... for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			

Accessories

Neutral busbar, 3 x 10 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	0402174	10
Lateral groove marking		**UC-TM 5, UCT-TM 5 or ZB 5** **UC-TMF 5, UCT-TMF 5 or ZBF 5**		





AB-SK-D TOP



Insulated, double support bracket, tall, for SK and SKS shield connection clamps



Double support bracket, tall, for SK shield connection clamps



Insulated, double support bracket, tall, for SK shield connection clamps

Technical data

Width	Length	Height
5.2	155.8	

PA

Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK-D TOP INSULATED	3062087	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

UC-TM 5, UCT-TM 5 or ZB 5
UC-TMF 5, UCT-TMF 5 or ZBF 5

Technical data

Width	Length	Height
8.2	150	

PA

Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK 65-D	3026900	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height
8.2	150	

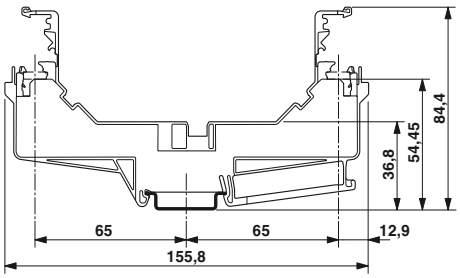
PA

Ordering data

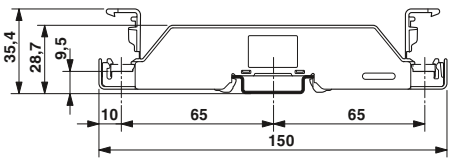
Type	Order No.	Pcs./Pkt.
AB-SK 65-D INSULATED	3040889	10

Accessories

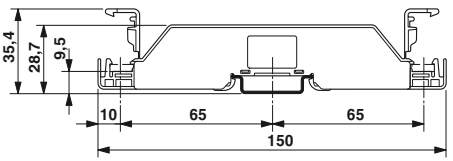
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK-D TOP INSULATED



AB-SK 65-D



AB-SK 65-D INSULATED

Support bracket 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 non-insulated installation on the mounting plate
– For mounting SK and SKS shield connection clamps

Notes:
For dimensional drawings, see phoenixcontact.net/products

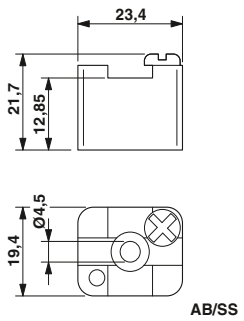


Support bracket for SK shield connection clamps

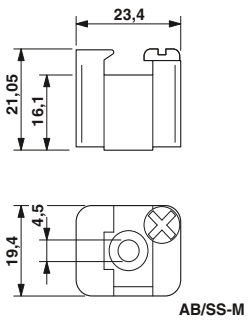


Support bracket for SK& SKS shield connection clamps

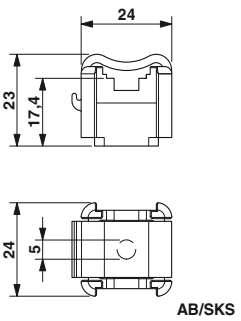
	Technical data			Technical data		
General data						
Material	PA			PA		
	Ordering data			**Ordering data**		
Description Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
Support bracket, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars gray	**AB/SS**	0404428	10			
Support bracket, with contact to the mounting plate, with retaining screw, for 3 x 10 mm busbars gray	**AB/SS-M**	3025888	10			
Support bracket, insulated, for 3 x 10 mm or 6 x 6 mm busbars gray				**AB/SKS**	3240224	10
	Accessories			**Accessories**		
Neutral 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 bracket for direct mounting



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



Support bracket, multi-level, insulated

Technical data

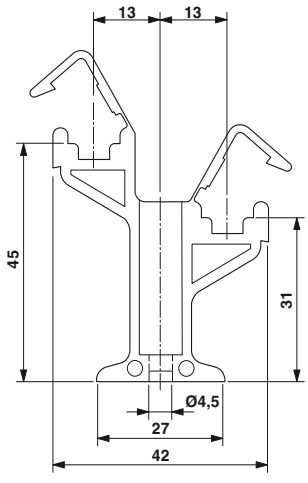
General data	
Material	PA

Ordering data

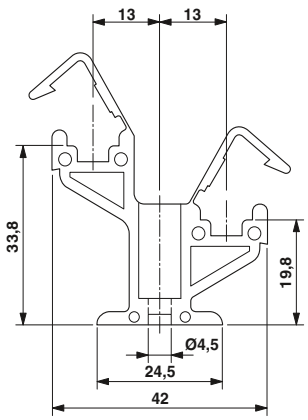
Description	Color	Type	Order No.	Pcs./Pkt.
Double support bracket, insulating material, can be optionally used for either 3 x 10 mm or 6 x 6 mm neutral busbar				
Height 48 mm	gray	**AB2/SS**	0404431	10
Height 36.8 mm	gray	**ABN 2/SS**	0404460	10
Triple support bracket, made from insulation material	gray	**AB3/SS**	0800086	10

Accessories

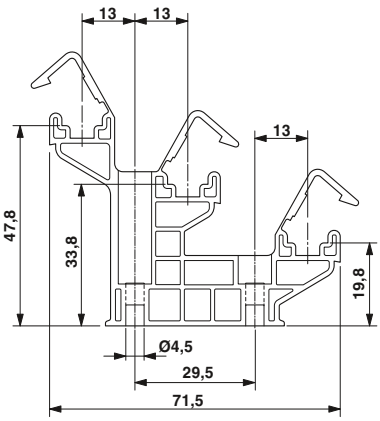
Neutral busbar, 3 x 10 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	0402174	10
Neutral busbar, in accordance with DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 6/ 6 SN 1000MM**	0402161	10



AB2/SS



ABN 2/SS



AB3/SS

Support bracket frame for direct and DIN rail mounting



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



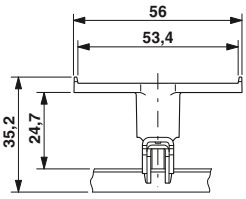
Support bracket

Technical data

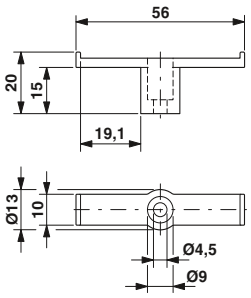
General data	
Material	Aluminum

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Support bracket, for direct mounting with contacting on the mounting surface	silver	**AB-SK/E**	3026476	10
Support bracket, for mounting on NS 35 DIN rails	silver	**AB-SK/E-NS 35**	3213111	10



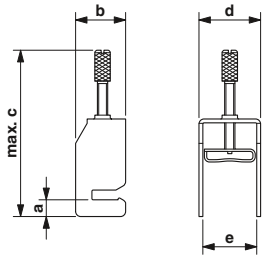
AB-SK/E-NS 35



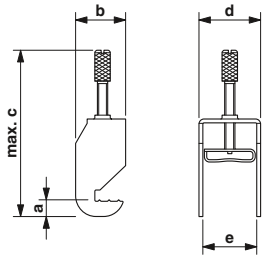
AB-SK/E

SK shield connection clamps

Dimensions [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



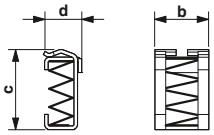
SK ...



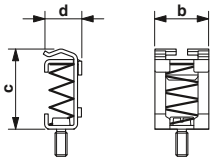
SK ...-D

SKS shield connection clamps

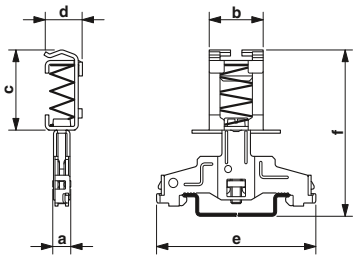
Dimensions [mm]	a	b	c	d	e	f
SKS 8	–	18	26	12.4	–	–
SKS 14	–	21	32	19	–	–
SKS 20	–	27	40.5	24.7	–	–
SKS 8-D	–	18	26	12.4	–	–
SKS 14-D	–	21	32	19	–	–
SKS 20-D	–	27	40.5	24.7	–	–
SKS 8-NS35	6	18	26	12.4	52	54
SKS 14-NS35	6	21	32	19	52	60
SKS 20-NS35	6	27	40.5	24.7	52	68.4



SKS ...



SKS ...-D

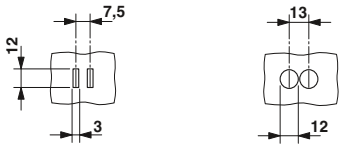


SKS ...-NS35

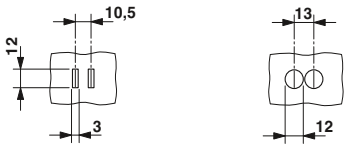
Drilling and punching patterns for SK...-D

Punching template

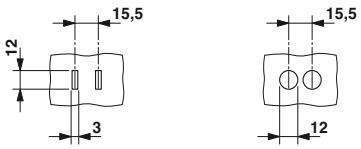
Drilling diagram



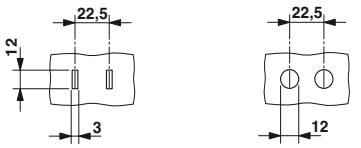
SK 5-D



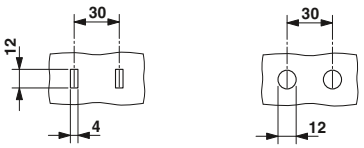
SK 8-D



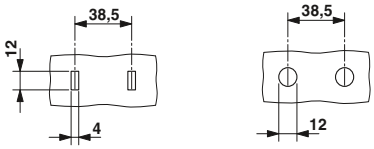
SK 14-D



SK 20-D



SK 28-D



SK 35-D

CGS cable guiding system

new





The cable guiding system makes it particularly easy and safe to install your conductors, cables, and cable harnesses for the control cabinet door or swivel mounting frame.

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

Technical data

Dimensions				
		Width	Length	Height
	[mm]	**68**	**218**	**140.5**
General data				
Cable entry opening	[mm]	42		
Number of cables		100 for 1.5 mm²		
Insulating material		PC		
Flammability rating according to UL 94		V0		

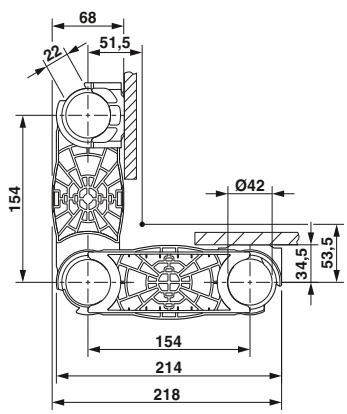
Ordering data

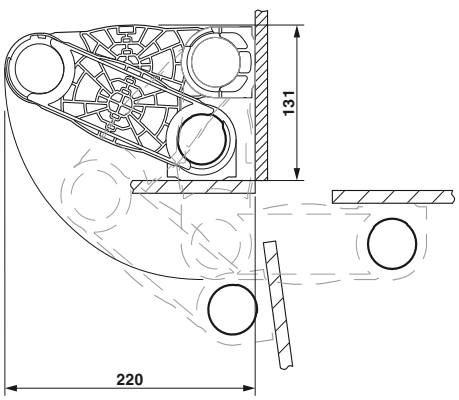
Description	Color	Type	Order No.	Pcs./Pkt.
Cable guiding system, with swivel joint for opening	gray	**CGSA 50**	3071401	1
Cable entry opening, with closed swivel joint	gray	**CGS 50**	3071400	1

Accessories

CGS-AH 50	3071410	1







Halogen-free cable ducts and accessories

– Installed conductors are securely held in place by means of wire retaining clips that can be snapped onto bars on the side
– The wide, diagonal heads of the cable duct bars make it easy to fit the cover and hold it securely in place

Notes:

For cable ducts cut to customer requirements, visit: phoenixcontact.net/products



Cable ducts, halogen-free



Cable ducts, halogen-free

Technical data

General data		
Material	PC/ABS	PC/ABS
Components	Halogen-free	Halogen-free
Flammability rating according to UL 94	V0	V0
Temperature range [°C]	-40 ... 90	-40 ... 90

Ordering data

Description	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cable duct, 2000 mm long, comprising **lower** and **upper part**						
W x H: 25 x 25 mm	**CD-HF 25X25**	3240340	25			
W x H: 25 x 40 mm	**CD-HF 25X40**	3240341	24	**CD-HF 25X40 BU**	3240583	24
W x H: 25 x 60 mm	**CD-HF 25X60**	3240342	15			
W x H: 25 x 80 mm	**CD-HF 25X80**	3240343	10	**CD-HF 25X40 BU**	3240583	24
W x H: 30 x 40 mm	**CD-HF 30X40**	3240344	20			
W x H: 30 x 60 mm	**CD-HF 30X60**	3240345	24			
W x H: 30 x 80 mm	**CD-HF 30X80**	3240346	12			
W x H: 30 x 100 mm	**CD-HF 30X100**	3240347	12	**CD-HF 30X100 BU**	3240589	12
W x H: 40 x 40 mm	**CD-HF 40X40**	3240348	25			
W x H: 40 x 60 mm	**CD-HF 40X60**	3240349	20			
W x H: 40 x 80 mm	**CD-HF 40X80**	3240350	10	**CD-HF 40X80 BU**	3240592	10
W x H: 40 x 100 mm	**CD-HF 40X100**	3240351	10	**CD-HF 40X100 BU**	3240593	10
W x H: 60 x 40 mm	**CD-HF 60X40**	3240352	20	**CD-HF 60X40 BU**	3240594	20
W x H: 60 x 60 mm	**CD-HF 60X60**	3240353	12	**CD-HF 60X60 BU**	3240595	12
W x H: 60 x 80 mm	**CD-HF 60X80**	3240354	10	**CD-HF 60X80 BU**	3240596	10
W x H: 60 x 100 mm	**CD-HF 60X100**	3240355	8	**CD-HF 60X100 BU**	3240597	8
W x H: 80 x 25 mm	**CD-HF 80X25**	3240356	12			
W x H: 80 x 40 mm	**CD-HF 80X40**	3240357	15	**CD-HF 80X40 BU**	3240599	15
W x H: 80 x 60 mm	**CD-HF 80X60**	3240358	10	**CD-HF 80X60 BU**	3240600	10
W x H: 80 x 80 mm	**CD-HF 80X80**	3240359	6	**CD-HF 80X80 BU**	3240601	6
W x H: 80 x 100 mm	**CD-HF 80X100**	3240360	8	**CD-HF 80X100 BU**	3240602	8
W x H: 100 x 40 mm	**CD-HF 100X40**	3240361	10			
W x H: 100 x 60 mm	**CD-HF 100X60**	3240362	8			
W x H: 100 x 80 mm	**CD-HF 100X80**	3240363	6	**CD-HF 100X80 BU**	3240605	6
W x H: 100 x 100 mm	**CD-HF 100X100**	3240364	6	**CD-HF 100X100 BU**	3240606	6
W x H: 120 x 60 mm	**CD-HF 120X60**	3240365	6			
W x H: 120 x 80 mm	**CD-HF 120X80**	3240366	4	**CD-HF 120X80 BU**	3240608	4

Accessories

Plastic body-bound rivet, 4 mm diameter, for a material thickness of 1.5 ... 6 mm	**RVT-PA 4**	3240498	100	**RVT-PA 4**	3240498	100
6 mm diameter, material thickness of 2 ... 8 mm	**RVT-PA 6**	3240499	100	**RVT-PA 6**	3240499	100
Rivet setting tool, for processing the plastic body-bound rivet RVT–PA 4	**UNIFOX-RVT P 4**	1212478	1	**UNIFOX-RVT P 4**	1212478	1
Rivet setting tool, for use with RVT–PA 6 plastic body-bound rivets	**UNIFOX-RVT P 6**	1212509	1	**UNIFOX-RVT P 6**	1212509	1

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: phoenixcontact.net/products

General data	
Material	
Flammability rating according to UL 94	
Temperature range	[°C]

Description
Cable duct, 2000 mm long, comprising **lower** and **upper part**
W x H: 25 x 25 mm
W x H: 25 x 40 mm
W x H: 25 x 60 mm
W x H: 25 x 80 mm
W x H: 30 x 40 mm
W x H: 30 x 60 mm
W x H: 30 x 80 mm
W x H: 30 x 100 mm
W x H: 40 x 40 mm
W x H: 40 x 60 mm
W x H: 40 x 80 mm
W x H: 40 x 100 mm
W x H: 60 x 40 mm
W x H: 60 x 60 mm
W x H: 60 x 80 mm
W x H: 60 x 100 mm
W x H: 80 x 25 mm
W x H: 80 x 40 mm
W x H: 80 x 60 mm
W x H: 80 x 80 mm
W x H: 80 x 100 mm
W x H: 100 x 40 mm
W x H: 100 x 60 mm
W x H: 100 x 80 mm
W x H: 100 x 100 mm
W x H: 120 x 60 mm
W x H: 120 x 80 mm
Universal wire holding bracket, pre-perforated for cable duct widths of 40, 60, 80 and 100 mm
Plastic body-bound rivet, 4 mm diameter, for a material thickness of 1.5 ... 6 mm
6 mm diameter, material thickness of 2 ... 8 mm
Rivet setting tool, for processing the plastic body-bound rivet the RVT-PA 4 plastic.....
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 WR	3240284	50
RVT-PA 4	3240498	100
RVT-PA 6	3240499	100
UNIFOX-RVT P 4	1212478	1
UNIFOX-RVT P 6	1212509	1

Technical data

PVC
V0
-5 ... 60

Ordering data

Type	Order No.	Pcs./Pkt.
CD 25X25 WH	3240616	25
CD 25X40 WH	3240617	24
CD 25X60 WH	3240618	15
CD 25X80 WH	3240619	10
CD 30X40 WH	3240620	20
CD 30X60 WH	3240621	24
CD 30X80 WH	3240622	12
CD 30X100 WH	3240623	12
CD 40X40 WH	3240624	25
CD 40X60 WH	3240625	20
CD 40X80 WH	3240626	10
CD 40X100 WH	3240627	10
CD 60X40 WH	3240628	20
CD 60X60 WH	3240629	12
CD 60X80 WH	3240630	10
CD 60X100 WH	3240631	8
CD 80X25 WH	3240632	12
CD 80X40 WH	3240633	15
CD 80X60 WH	3240634	10
CD 80X80 WH	3240635	6
CD 80X100 WH	3240636	8
CD 100X40 WH	3240637	10
CD 100X60 WH	3240638	8
CD 100X80 WH	3240639	6
CD 100X100 WH	3240640	6
CD 120X60 WH	3240641	6
CD 120X80 WH	3240642	4

Accessories

CD WR	3240284	50
RVT-PA 4	3240498	100
RVT-PA 6	3240499	100
UNIFOX-RVT P 4	1212478	1
UNIFOX-RVT P 6	1212509	1

Technical data

PVC
V0
-5 ... 60

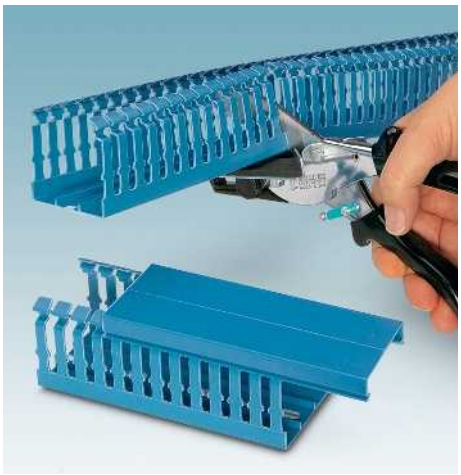
Ordering data

Type	Order No.	Pcs./Pkt.
CD 25X25 BU	3240301	25
CD 25X40 BU	3240302	24
CD 25X60 BU	3240303	15
CD 25X80 BU	3240304	10
CD 30X40 BU	3240305	20
CD 30X60 BU	3240306	24
CD 30X80 BU	3240307	12
CD 30X100 BU	3240308	12
CD 40X40 BU	3240309	25
CD 40X60 BU	3240310	20
CD 40X80 BU	3240311	10
CD 40X100 BU	3240312	10
CD 60X40 BU	3240313	20
CD 60X60 BU	3240314	12
CD 60X80 BU	3240315	10
CD 60X100 BU	3240316	8
CD 80X25 BU	3240317	12
CD 80X40 BU	3240318	15
CD 80X25 BU	3240317	12
CD 80X80 BU	3240320	6
CD 80X100 BU	3240321	8
CD 100X40 BU	3240322	10
CD 100X60 BU	3240323	8
CD 100X80 BU	3240324	6
CD 100X100 BU	3240325	6
CD 120X60 BU	3240326	6
CD 120X80 BU	3240327	4

Accessories

CD WR	3240284	50
RVT-PA 4	3240498	100
RVT-PA 6	3240499	100
UNIFOX-RVT P 4	1212478	1
UNIFOX-RVT P 6	1212509	1

Cable duct cutters





Cable duct cutter

- The CUTFOX CD is a manual tool, that can be used in a mobile way, for the best unrestricted cutting performance.
- The cable duct cutter enables burr and chip-free cutting to length of plastic profiles such as wiring channels and their covers.
- Special cutting geometries ensure a clean cut and long lifetimes
- The PPS CD M, as a stationary tool, is ideally suited for convenient application over long periods of time.

Description	Color
Cable duct cutter	black
Cable duct cutters	black
Replacement blade, for PPS CD M	
Replacement counter support (grip protection), for PPS CD M	
Workbench, with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes	
Limit stop, 90°	

Ordering data

Type	Order No.	Pcs./Pkt.
CUTFOX-CD	1212474	1
PPS CD M	1207569	1

Accessories

PPS CD BLADE	1207572	1
PPS CD M COHO	1208995	1
PPS TABLE	1206285	1
CUTFOX-CD/ES 90	1200289	1



Cable clamps and DIN rail





Cable clamps for a cable diameter of 6 - 64 mm

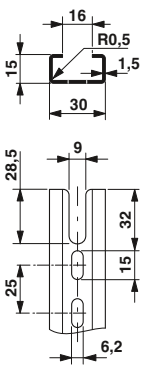
- The cable clamps provide strain relief
- Individual or bundled cables with a diameter of up to 64 mm can be safely and easily installed
- The halogen-free plastic troughs have been designed to be perfectly secure while at the same time protecting the conductors

Technical data

General data	
Material	Steel

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Cable clamp, for DIN rail			
For cable diameters of 6 – 14 mm	**WCC 14**	3240252	25
For cable diameters of 12 – 18 mm	**WCC 18**	3240253	25
For cable diameters of 18 – 22 mm	**WCC 22**	3240254	25
For cable diameters of 22 – 26 mm	**WCC 26**	3240255	25
For cable diameters of 26 – 30 mm	**WCC 30**	3240256	25
For cable diameters of 30 – 34 mm	**WCC 34**	3240257	25
For cable diameters of 34 – 38 mm	**WCC 38**	3240258	25
For cable diameters of 38 – 42 mm	**WCC 42**	3240259	25
For cable diameters of 42 – 56 mm	**WCC 56**	3240260	25
For cable diameters of 56 – 64 mm	**WCC 64**	3240261	25
DIN rails, for cable clamps			
	NS 30/15 PERF.2000MM	3240262	5



NS 30/15 PERF. 2000MM DIN rail

Protective hoses made of plastic

Notes:

Pcs./Pkt. specifies the protective hose length in [m].



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 building and systems manufacturing
– 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





Slotted, outside diameter of 21.2 - 42.5 mm

Technical data

General data		
Material		PA
Components		free from silicone, halogen, and cadmium
Flammability rating according to UL 94		V0
Temperature range	[°C]	-40 ... 105

Ordering data

Description		Color	Type	Order No.	Pcs./Pkt.
Protective hose, slotted, for retrofitting					
Diameter [mm] Outside/inside	Bending radius [mm] static				
21.2 / 16.5	40	black	**WP-PA HF-SL 21,2 BK**	3240845	10
28.5 / 23	45	black	**WP-PA HF-SL 28,5 BK**	3240846	10
34.5 / 29	55	black	**WP-PA HF-SL 34,5 BK**	3240847	10
42.5 / 36	65	black	**WP-PA HF-SL 42,5 BK**	3240848	10
Protective hose					
Diameter [mm] Outside/inside	Bending radius [mm] static/dynamic				
10 / 6.5	13 / 35	black			
13 / 10	20 / 45	black			
15.8 / 12	35 / 55	black			
21.2 / 16.5	45 / 75	black			
28.5 / 23	55 / 100	black			
34.5 / 29	65 / 120	black			
42.5 / 36	90 / 150	black			
/	42 / -	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	8	black			
13 / 10	10	black			
15.8 / 12	12	black			
21.2 / 16.5	16.5	black			
28.2 / 23	23	black			
34.5 / 29	29	black			
42.5 / 37	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
V0
-40 ... 115

Ordering data

Type	Order No.	Pcs./Pkt.
WP-PA HF 10,0 BK	3240680	50
WP-PA HF 13,0 BK	3240681	50
WP-PA HF 15,8 BK	3240682	50
WP-PA HF 21,2 BK	3240683	50
WP-PA HF 28,5 BK	3240684	50
WP-PA HF 34,5 BK	3241088	25
WP-PA HF 42,5 BK	3241089	25
WP-PA HF 54,5 BK	0803381	25

Technical data

PA
free from silicone, halogen, and cadmium
HB
-40 ... 105

Ordering data

Type	Order No.	Pcs./Pkt.
WP-PA HF-HB 10,0 BK	3240838	50
WP-PA HF-HB 13,0 BK	3240839	50
WP-PA HF-HB 15,8 BK	3240840	50
WP-PA HF-HB 21,2 BK	3240841	50
WP-PA HF-HB 28,5 BK	3240842	50
WP-PA HF-HB 34,5 BK	3240843	25
WP-PA HF-HB 42,5 BK	3240844	25

Technical data

TPE
Halogen-free
HB
-40 ... 120

Ordering data

Type	Order No.	Pcs./Pkt.
WP-EC TPE HF 10,0 BK	3240974	50
WP-EC TPE HF 13,0 BK	3240975	50
WP-EC TPE HF 15,8 BK	3240976	50
WP-EC TPE HF 21,2 BK	3240977	50
WP-EC TPE HF 28,5 BK	3240978	25
WP-EC TPE HF 34,5 BK	3240979	25
WP-EC TPE HF 42,5 BK	3240980	25
WP-SC PA HF 10,0 BK	3240981	50
WP-SC PA HF 13,0 BK	3240982	50
WP-SC PA HF 15,8 BK	3240983	50
WP-SC PA HF 21,2 BK	3240984	50
WP-SC PA HF 28,5 BK	3240985	25
WP-SC PA HF 34,5 BK	3240986	25
WP-SC PA HF 42,5 BK	3240987	25

Screw connections for plastic protective hoses



The plastic screw connections with straight design are available in IP66 and IP69K protection classes. They offer the following features:

– Vibration-resistant, automatic protective hose latching
– Pg or metric thread
– Resistant to oil and gasoline
– Resistant to acids and solvents
– Free from silicone, halogen, and cadmium

Tool-free protective hose mounting

– Secure, reliable, and easy latching in the hose screw connection, see figure below



Notes:

For accessories and dimensional drawings, see phoenixcontact.net/products

To ensure the IP69K degree of protection between the hose screw connection and screw connection housing, sealant must be applied to the threading. LOCTITE® 5331™ is a suitable thread sealant for this.



IP66 degree of protection, Pg7 - Pg36 thread

Technical data

General data	
Material	PA
Components	free from silicone, halogen, and cadmium
Degree of protection	IP66
Thread type	Pg
Flammability rating 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 648 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 648 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 648 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 648 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 phoenixcontact.net/products

To ensure the IP69K degree of protection between the hose screw connection and screw connection housing, sealant must be applied to the threading. LOCTITE® 5331™ is a suitable thread sealant for this.



IP66 degree of protection, Pg7 - Pg36 thread

Technical data

General data	
Material	PA
Components	free from silicone, halogen, and cadmium
Degree of protection	IP66
Thread type	Pg
Flammability rating 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 648 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 648 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 648 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 648 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 phoenixcontact.net/products

To ensure the IP69K degree of protection between the hose screw connection and screw connection housing, sealant must be applied to the threading. LOCTITE® 5331™ is a suitable thread sealant for this.



IP66 degree of protection, Pg7 - Pg36 thread, with strain relief

Technical data

General data		
Material		PA
Components		free from silicone, halogen, and cadmium
Degree of protection		IP66
Thread type		Pg
Flammability rating 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 648 onwards



IP66 degree of protection, M12 - M40 metric thread, with strain relief



IP69K degree of protection, Pg7 - Pg36 thread, with strain relief



IP69K degree of protection, M12 - M40 metric thread, with strain relief

Technical data

PA
free from silicone, halogen, and cadmium
IP66
metric
V0
-40 ... 115

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 648 onwards

Technical data

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

Ordering data

Type	Order No.	Pcs./Pkt.
WP-GR HF IP69K PG7 BK	3240930	20
WP-GR HF IP69K PG9 BK	3240931	20
WP-GR HF IP69K PG11 BK	3240932	20
WP-GR HF IP69K PG16 BK	3240933	10
WP-GR HF IP69K PG21 BK	3240934	10
WP-GR HF IP69K PG29 BK	3240935	10
WP-GR HF IP69K PG36 BK	3240936	10

Accessories

see page 648 onwards

Technical data

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

Ordering data

Type	Order No.	Pcs./Pkt.
WP-GR HF IP69K M12 BK	3240938	20
WP-GR HF IP69K M16 BK	3240939	20
WP-GR HF IP69K M20 BK	3240940	20
WP-GR HF IP69K M25 BK	3240941	10
WP-GR HF IP69K M32 BK	3240942	10
WP-GR HF IP69K M40 BK	3240943	10

Accessories

see page 648 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 building and systems manufacturing
– 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
Flammability rating 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

Ordering data

Type	Order No.	Pcs./Pkt.
WP-SPIRAL PU C HF 10	3240856	10
WP-SPIRAL PU C HF 14	3240857	10
WP-SPIRAL PU C HF 17	3240858	10
WP-SPIRAL PU C HF 21	3240859	10
WP-SPIRAL PU C HF 27	3240860	10
WP-SPIRAL PU C HF 36	3240861	10
WP-SPIRAL PU C HF 45	3240862	10

Technical data

PP
Halogen-free
HB
-10 ... 110

Ordering data

Type	Order No.	Pcs./Pkt.
WP-SC HF 10	3241016	50
WP-SC HF 14	3241017	50
WP-SC HF 17	3241018	50
WP-SC HF 21	3241019	50
WP-SC HF 27	3241020	25
WP-SC HF 36	3241021	25
WP-SC HF 45	3241022	20

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
Flammability rating 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 648 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 648 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 648 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 648 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 building and systems manufacturing
– 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

Notes:

Inner sleeves and seals are supplied as standard.





IP40 degree of protection, Pg7 - Pg36 thread

The screw connections are available with or without a rotatable connecting thread. They have the following properties:

– Easy mounting of protective hose without tools
– Vibration resistance and high tensile strength, thanks to hose screw-out locking
– Integrated inner sleeve and rotation lock for hose

Rotatable screw connections

– The protective hose can still be rotated after panel mounting, thanks to the special screw connections



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
Flammability rating 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 (stranded), 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 are attached using a screw.

– An integrated rib fastening also helps to relieve the strain on the protective hose
– The base of the holder is designed so that it can even be pushed onto a C DIN rail
– The engagement pins enable hose holders of different sizes to be arranged alongside each other

WP-BASE HF... protective hose clips:

– Galvanized steel locking latch with rubber profile
– Mounting with a screw

WP-BASE ... fixing bracket:

– With two mounting holes 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



WP-CN ...

The counter nuts are used to lock protective hose screw connections in the case of bore holes without a thread.

– Counter nuts made of brass or plastic
– The fiberglass-reinforced polyamide ensures a high degree of mechanical stability
– Metric thread according to EN 50262, making the counter nut suitable for universal use



Counter nut, M12 - M40, plastic

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			



Counter nut, Pg7 - Pg36, plastic



Counter nut, M10 - M40, brass



Counter nut, Pg7 - Pg36, brass

Technical data

Polyamide fiberglass reinforced

Ordering data

Type	Order No.	Pcs./Pkt.
WP-CN PA PG7	3241138	100
WP-CN PA PG9	3241139	100
WP-CN PA PG11	3241140	100
WP-CN PA PG16	3241141	100
WP-CN PA PG21	3241142	100
WP-CN PA PG29	3241143	100
WP-CN PA PG36	3241144	50

Technical data

Nickel-plated brass

Ordering data

Type	Order No.	Pcs./Pkt.
WP-CN BRASS M10	3241145	100
WP-CN BRASS M12	3241146	100
WP-CN BRASS M16	3241147	100
WP-CN BRASS M20	3241148	100
WP-CN BRASS M25	3241149	100
WP-CN BRASS M32	3241150	100
WP-CN BRASS M40	3241151	50

Technical data

Nickel-plated brass

Ordering data

Type	Order No.	Pcs./Pkt.
WP-CN BRASS PG7	3241152	100
WP-CN BRASS PG9	3241153	100
WP-CN BRASS PG11	3241154	100
WP-CN BRASS PG16	3241155	100
WP-CN BRASS PG21	3241156	100
WP-CN BRASS PG29	3241157	100
WP-CN BRASS PG36	3241158	50

Accessories for protective hose mounting





Flat gasket made from Perbunan

WP-FS ...

The Perbunan flat sealing rings are used to seal protective hose screw connections on uneven surfaces. They are inserted between the hose screw connection and the surface, thereby achieving degrees of protection up to IP68.

WP-FS HF...

The Centellen flat sealing rings also provide an optimum seal on uneven surfaces. As well as having IP68 protection and high mechanical stability, the sealing rings are also UV resistant and halogen-free. This enables them to be used outdoors.
Properties:

– Resistant to oil, seal against dust and water, UV resistant, halogen-free, high mechanical stability

WP-OR...

Thanks to properties such as resistance to oil and sealing against water and dust, the Perbunan O-rings can be used in a wide range of applications.

Technical data

General data	
Material	Perbunan

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Flat gasket, Perbunan, for protective hose screw connections with metric thread				
for M10	black	**WP-FS IP68 M10**	3241159	50
for M12	black	**WP-FS IP68 M12**	3241160	50
for M16	black	**WP-FS IP68 M16**	3241161	50
for M20	black	**WP-FS IP68 M20**	3241162	50
for M25	black	**WP-FS IP68 M25**	3241163	50
for M32	black	**WP-FS IP68 M32**	3241164	25
for M40	black	**WP-FS IP68 M40**	3241165	25
Flat gasket, Perbunan, for protective hose screw connections with Pg thread				
for Pg7	black	**WP-FS IP68 PG7**	3241166	50
for Pg9	black	**WP-FS IP68 PG9**	3241167	50
for Pg11	black	**WP-FS IP68 PG11**	3241168	50
for Pg16	black	**WP-FS IP68 PG16**	3241169	50
for Pg21	black	**WP-FS IP68 PG21**	3241170	25
for Pg29	black	**WP-FS IP68 PG29**	3241171	25
for Pg36	black	**WP-FS IP68 PG36**	3241172	25
Flat gasket, Centellen, for protective hose screw connections with metric thread				
for M10	green			
for M12	green			
for M16	green			
for M20	green			
for M25	green			
for M32	green			
for M40	green			
Flat gasket, Centellen, for protective hose screw connections with Pg thread				
for Pg7	green			
for Pg9	green			
for Pg11	green			
for Pg16	green			
for Pg21	green			
for Pg29	green			
for Pg36	green			
O-ring, Perbunan, for protective hose screw connections with metric thread				
for M10	black			
for M12	black			
for M16	black			
for M20	black			
for M25	black			
for M32	black			
for M40	black			
O-ring, Perbunan, for protective hose screw connections with Pg thread				
for Pg7	black			
for Pg9	black			
for Pg11	black			
for Pg16	black			
for Pg21	black			
for Pg29	black			
for Pg36	black			



Flat gasket made from Centellen



O-ring made from Perbunan

Technical data

Centellen

Ordering data

Type	Order No.	Pcs./Pkt.
WP-FS HF IP68 M10	3241173	50
WP-FS HF IP68 M12	3241174	50
WP-FS HF IP68 M16	3241175	50
WP-FS HF IP68 M20	3241176	50
WP-FS HF IP68 M25	3241177	50
WP-FS HF IP68 M32	3241178	25
WP-FS HF IP68 M40	3241179	25
WP-FS HF IP68 PG7	3241180	50
WP-FS HF IP68 PG9	3241181	50
WP-FS HF IP68 PG11	3241182	50
WP-FS HF IP68 PG16	3241183	50
WP-FS HF IP68 PG21	3241184	25
WP-FS HF IP68 PG29	3241185	25
WP-FS HF IP68 PG36	3241186	25

Technical data

Perbunan

Ordering data

Type	Order No.	Pcs./Pkt.
WP-OR M10	3241187	50
WP-OR M12	3241188	50
WP-OR M16	3241189	50
WP-OR M20	3241190	50
WP-OR M25	3241191	50
WP-OR M32	3241192	25
WP-OR M40	3241193	25
WP-OR PG7	3241194	50
WP-OR PG9	3241195	50
WP-OR PG11	3241196	50
WP-OR PG16	3241197	50
WP-OR PG21	3241198	25
WP-OR PG29	3241199	25
WP-OR PG36	3241200	25

Plastic cable marker for insert labels, for assembly with cable binders



- Plastic cable markers mark and bundle conductors and cables indoors
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements
- **Designation example:**
  ESL (29x8)
  Lettering area width: 29 mm
  Lettering area height: 8 mm
  Type of packaging: sheet



Notes:

For corresponding cable binders, see from page 658.

The print image may vary depending on laser printer.



For insert labels with lettering field size 29 x 8 mm, for cable diameters > 10 mm

Technical data

General data	
Material	Polyethylene
Temperature range [°C]	-40 ... 80
Components	free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plastic cable markers for insert labels, with cable binders with a pointed end, can be marked with ESL..., EMT... or US-EMP... insert labels, diameter: 10 ... 25 mm, lettering field size: 29 x 8 mm	transparent	**KMK**	1005208	100
Plastic cable markers for insert labels, with cable binders with a pointed end, can be marked with ESL..., EMT... or US-EMP... insert labels, diameter: 16 ... 35 mm, lettering field size: 40 x 17 mm	transparent			
Cable and conductor markers for insert labels, can be marked with EST or ESL, diameter of 1 - 12 mm, lettering field size: 24 x 4 mm	white			
Cable and conductor markers for labels, can be marked with EML or EMLC, diameter of 1 - 20 mm, lettering field size: 20 x 8 mm	white			

Accessories

Insert strips for laser printers, DIN A4, perforated 1 sheet = 174 labels 1 sheet = 56 labels 1 sheet = 488 labels	**ESL 29X8**	0808257	10
Roll, insert labels, can be marked with thermal transfer printer 1 roll = 5400 markers 1 roll = 2300 markers 1 roll = 5000 markers	**EMT (29X8)R**	0817277	1
UniSheet, insert labels, can be marked with thermal transfer printer 1 UniSheet = 48 labels 1 UniSheet = 16 labels	**US-EMP (29X8)**	0829436	10
Fabric label 1 roll = 2500 labels 1 roll = 2500 labels			
UniSheet, self-adhesive labels for thermal transfer printer 1 UniSheet = 64 labels, lettering field size: 20 x 8 mm			
Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2-TM ... for accommodating all US materials	**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials	**TMP-US-MAG1**	0803341	1



Insert labels, with lettering field size 40 x 17 mm, for cable diameters > 16 mm



For insert labels with lettering field size 24 x 4 mm, for cable diameters > 1 mm



For adhesive labels, with lettering field size 20 x 8 mm, for cable diameters > 1 mm

Technical data

Polyethylene
-40 ... 80
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KMK 3	1005211	50

Accessories

ESL 40X17	0808095	10
EMT (40X17)R	0817293	1
US-EMP (40X17)	0829437	10
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Technical data

PA
-40 ... 100
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
LM	1004377	100

Accessories

ESL 24X4	0808231	10
EMT (24X4)R	0816265	1

Technical data

PA
-40 ... 100
free from silicone and halogen

Ordering data

Type	Order No.	Pcs./Pkt.
KME	0807083	50

Accessories

EMLC (20X8)R	0815680	1
EML (20X8)R	0816786	1
US-EML (20X8)	0800458	10
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Plastic cable marker for insert labels, for assembly with cable binders

Notes:

For matching cable binders, see page 658 onwards or the product area on our website at phoenixcontact.net/products.





Lettering field size: 25 x 6 mm, for cable diameter > 6 mm

- KMK HP ... plastic cable markers mark and bundle conductors and cables indoors
- Inflammability class V0 acc. to UL 94
- The KMK HP.. cable markers are particularly suitable for use in the railway industry, transportation technology, and building technology, thanks to their outstanding material properties
- The KMK... versions have eyelets and are attached with cable binders
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements
- **Designation example:**
  UCT-EMP (25x6)
  Lettering area width: 25 mm
  Lettering area height: 6 mm
  Type of packaging: sheet

Technical data

General data		
Material		PC
Flammability rating according to UL 94		V0
Temperature range	[°C]	-40 ... 125
Components		Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker carrier for cable binder assembly	transparent	**KMK HP (25X6)**	0830720	100

Accessories

UniCard, insert strip for KMK... cable marker carriers, can be marked with THERMOMARK CARD..., BLUEMARK CLED, and TOPMARK LASER 1 sheet = 15 labels 1 sheet = 15 labels 1 sheet = 3 labels 1 sheet = 3 labels	**UCT-EMP (25X6)**	1014117	10
Roll, insert labels, can be marked with thermal transfer printer 1 roll = 5000 markers 1 roll = 5400 markers 1 roll = 2500 markers 1 roll = 2300 markers	**EMT (25X6)R**	0817264	1
Cable binder, inflammability class according to UL 94: V0, halogen-free, temperature range: -40°C ... 85 °C, maximum bundle Ø [mm]/minimum tensile strength [N]			
35 / 130	**WT-HP HF 3,6X140**	0830982	100
50 / 220	**WT-HP HF 4,8X200**	0830983	100
79 / 220	**WT-HP HF 4,5X290**	0830984	100
Magazine, for THERMOMARK CARD ..., for accommodating UCT-EMP ...	**THERMOMARK CARD-UCT-MAG26**	0802988	1
Magazine for THERMOMARK PRIME for accommodating UCT-EMP ...	**TMP-UCT-MAG26**	0803370	1





Lettering field size: 29 x 8 mm, for cable diameter > 6 mm



Lettering field size: 60 x 15 mm, for cable diameter > 9 mm



Lettering field size: 40 x 17 mm, for cable diameter > 9 mm

Technical data

PC
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (29X8)	0830721	100

Accessories

UCT-EMP (29X8)	1014118	10
EMT (29X8)R	0817277	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1
TMP-UCT-MAG26	0803370	1

Technical data

PC
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (60X15)	0830722	50

Accessories

UCT-EMP (60X15)	1014119	10
EMT (60X15)R	0801846	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1
TMP-UCT-MAG26	0803370	1

Technical data

PC
V0
-40 ... 125
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK HP (40X17)	0830723	50

Accessories

UCT-EMP (40X17)	1014120	10
EMT (40X17)R	0817293	1
WT-HP HF 3,6X140	0830982	100
WT-HP HF 4,8X200	0830983	100
WT-HP HF 4,5X290	0830984	100
THERMOMARK CARD-UCT-MAG26	0802988	1
TMP-UCT-MAG26	0803370	1

Plastic cable marker for insert labels, for assembly with cable binders



- KMK UV ... plastic cable markers mark and bundle conductors and cables outdoors
- The KMK UV... cable markers are transparent, impact resistant, and have excellent weathering resistance. At the same time, they also possess outstanding chemical resistance
- The KMK... versions have eyelets and are attached with cable binders
- The sealing cap protects the marked insert label from contamination
- Marking service: Phoenix Contact can custom-mark all insert labels for plastic cable markers in accordance with your requirements
- **Designation example: UCT-EMP (25x6)**
  Lettering area width: 25 mm
  Lettering area height: 6 mm
  Type of packaging: roll



Notes:

For matching cable binders, see page 658 onwards or the product area on our website at phoenixcontact.net/products.

[1]) WT-UV HF...BK cable binders are weatherproof and UV resistant according to ISO 4892 (after QUV-B 600 hours) for up to 10 years.



Lettering field size: 25 x 6 mm, for cable diameter > 6 mm

Technical data

General data		
Material		PA
Flammability rating according to UL 94		HB
Temperature range	[°C]	-40 ... 100
Components		Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable marker carrier for cable binder assembly	transparent	**KMK UV (25X6)**	1014106	100

Accessories

UniCard, insert strip for KMK... cable marker carriers, can be marked with THERMOMARK CARD..., BLUEMARK CLED, and TOPMARK LASER 1 sheet = 15 labels 1 sheet = 15 labels 1 sheet = 3 labels 1 sheet = 3 labels		**UCT-EMP (25X6)**	1014117	10
UniSheet, insert labels, can be marked with thermal transfer printer 1 UniSheet = 84 labels 1 UniSheet = 48 labels 1 UniSheet = 9 labels 1 UniSheet = 16 labels		**US-EMP (25X6)-1**	0802754	10
Roll, insert labels, can be marked with thermal transfer printer 1 roll = 5000 markers 1 roll = 5400 markers 1 roll = 2500 markers 1 roll = 2300 markers		**EMT (25X6)R**	0817264	1
Cable binder, halogen-free, inflammability class according to UL 94: V2, maximum bundle Ø [mm] / min. tensile strength [N][1])				
35 / 130		**WT-UV HF 3,6X140 BK**	3240832	100
50 / 220		**WT-UV HF 4,5X200 BK**	3240834	100
79 / 220		**WT-UV HF 4,5X290 BK**	3240835	100
Magazine, for THERMOMARK CARD ..., for accommodating UCT-EMP ...		**THERMOMARK CARD-UCT-MAG26**	0802988	1
Magazine for THERMOMARK PRIME for accommodating UCT-EMP ...		**TMP-UCT-MAG26**	0803370	1
Plastic magazine, for THERMOMARK CARD ..., for accommodating: UCT2–TM ... for accommodating all US materials		**THERMOMARK CARD-US-MAG1**	5146451	1
Magazine for THERMOMARK PRIME for accommodating all US materials		**TMP-US-MAG1**	0803341	1



Lettering field size: 29 x 8 mm, for cable diameter > 6 mm



Lettering field size: 60 x 15 mm, for cable diameter > 9 mm



Lettering field size: 40 x 17 mm, for cable diameter > 9 mm

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK UV (29X8)	1014107	100

Accessories

UCT-EMP (29X8)	1014118	10
US-EMP (29X8)	0829436	10
EMT (29X8)R	0817277	1
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
THERMOMARK CARD-UCT-MAG26	0802988	1
TMP-UCT-MAG26	0803370	1
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK UV (60X15)	1014108	50

Accessories

UCT-EMP (60X15)	1014119	10
US-EMP (60X15)	0828781	10
EMT (60X15)R	0801846	1
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
THERMOMARK CARD-UCT-MAG26	0802988	1
TMP-UCT-MAG26	0803370	1
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Technical data

PA
HB
-40 ... 100
Halogen-free

Ordering data

Type	Order No.	Pcs./Pkt.
KMK UV (40X17)	1014109	50

Accessories

UCT-EMP (40X17)	1014120	10
US-EMP (40X17)	0829437	10
EMT (40X17)R	0817293	1
WT-UV HF 3,6X140 BK	3240832	100
WT-UV HF 4,5X200 BK	3240834	100
WT-UV HF 4,5X290 BK	3240835	100
THERMOMARK CARD-UCT-MAG26	0802988	1
TMP-UCT-MAG26	0803370	1
THERMOMARK CARD-US-MAG1	5146451	1
TMP-US-MAG1	0803341	1

Plastic cable binders





Cable binder 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 pliers, the cable binders are 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
Flammability rating 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 binder length of 98 ... 1000 mm

Technical data

General data		
Material		PA 6.6
Components		free from silicone and halogen
Flammability rating 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

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





Cable binder 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

Technical data

General data	
Material	PA 6.6
Components	free from silicone and halogen
Flammability rating 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

Cable binder with V0 flammability rating according to UL 94





Cable binder length of 140 ... 290 mm

Thanks to their UL 94 V0 inflammability class and absence of halogen, the WT-HP HF... cable binders are particularly suitable for use in the rail industry.

– **Designation example:**
WT-HP HF 3,6x140
Cable binder width: 3.6 mm
Cable binder length: 140 mm

Technical data

General data	
Material	PA 6.6
Components	free from silicone and halogen
Flammability rating according to UL 94	V0
Temperature range [°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable binder, inflammability class according to UL 94: V0, halogen-free, temperature range: -40°C ... 85 °C, maximum bundle Ø [mm]/minimum tensile strength [N]				
35 / 130	transparent	**WT-HP HF 3,6X140**	0830982	100
50 / 220	transparent	**WT-HP HF 4,8X200**	0830983	100
79 / 220	transparent	**WT-HP HF 4,5X290**	0830984	100

Cable binders for use under high temperatures



The WT-HT HF ... cable binders are specially designed for high-temperature applications and offer the following features:

- Constantly high temperature resistance up to 125 °C and briefly up to 145 °C
- Cable binders are easy to use, thanks to their optimum geometries
- Black cable binders are UV stabilized
- Special head shape for high tensile forces
- Halogen-free/silicone-free
- **Designation example:**
  WT-HT HF 2,5X98
  Cable binder width: 2.5 mm
  Cable binder length: 98 mm



Cable binder length of 98 ... 365 mm

Technical data

General data	
Material	PA 6.6
Components	free from silicone and halogen
Flammability rating according to UL 94	V2
Temperature range [°C]	-40 ... 125

Ordering data

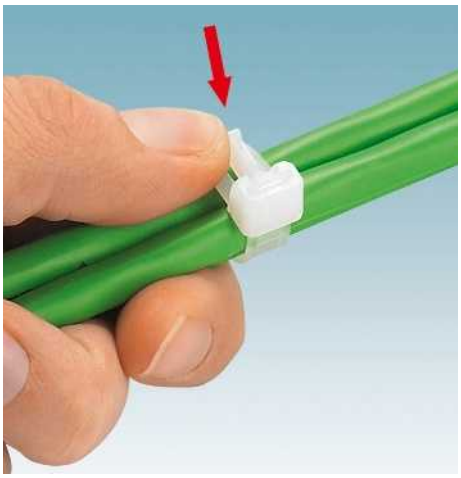
Description	Color	Type	Order No.	Pcs./Pkt.
Cable binder, maximum bundle Ø [mm]/minimum tensile strength [N]				
21 / 80	transparent	**WT-HT HF 2,5X98**	3240780	100
35 / 130	transparent	**WT-HT HF 3,6X140**	3240782	100
50 / 130	transparent	**WT-HT HF 3,6X200**	3240784	100
50 / 220	transparent	**WT-HT 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 binder length of 200 ... 350 mm

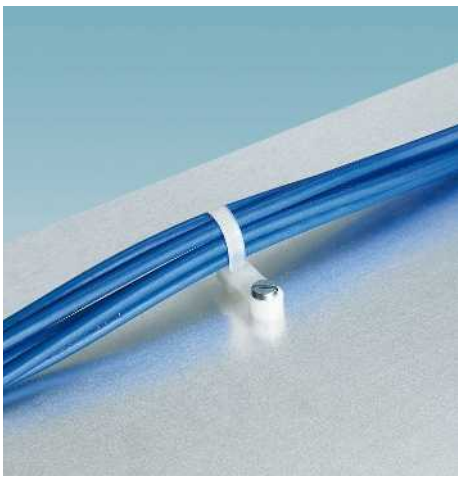
Technical data

General data	
Material	PA 6.6
Components	free from silicone and halogen
Flammability rating 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



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 binder length of 150 ... 380 mm

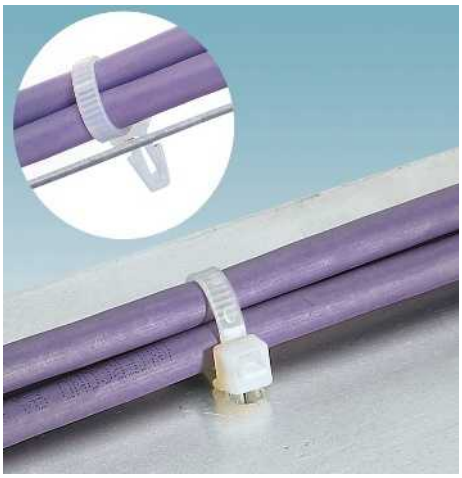
Technical data

General data	
Material	PA 6.6
Components	free from silicone and halogen
Flammability rating 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





Cable binder length of 150 ... 200 mm

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

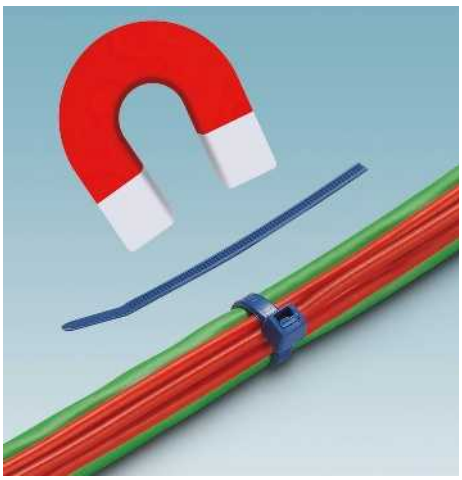
Technical data

General data		
Material		PA 6.6
Components		free from silicone and halogen
Flammability rating 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





Cable binder length of 98 ... 365 mm

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 resistance against contamination in the production process
– Detectable using X-ray units or metal detectors
– Magnetic
– Easy to see
– Corrosion-free

Technical data

General data		
Material		PA 6.6
Components		free from silicone and halogen
Flammability rating 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 254.



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 with long service life
– Corrosion resistant
– Chemical resistance
– UV resistant
– Weatherproof
– Fire-proof
– Vibration-resistant
– Easy to use and self-locking
– Anti-magnetic
– Halogen-free/silicone-free



Cable binder length of 150 ... 1067 mm

Technical data

General data	
Material	Stainless steel 1.4301/AISI 304
Temperature range [°C]	-80 ... 538

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable 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, 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 particularly suitable for use with aggressive chemicals and in the onshore and offshore area. They are characterized by:

– Secure, permanent attachment with long service life
– Corrosion resistant when exposed to aggressive chemicals, e.g., acids, salt fog, and sea water
– UV resistant
– Weatherproof
– Fire-proof
– Vibration-resistant
– Easy to use
– Anti-magnetic
– Halogen-free/silicone-free

Notes:

For corresponding stainless steel cable markers, see 254.



Cable binder length of 150 ... 1067 mm

Technical data

General data		
Material		Stainless steel 1.4401/AISI 316
Temperature range	[°C]	-80 ... 538

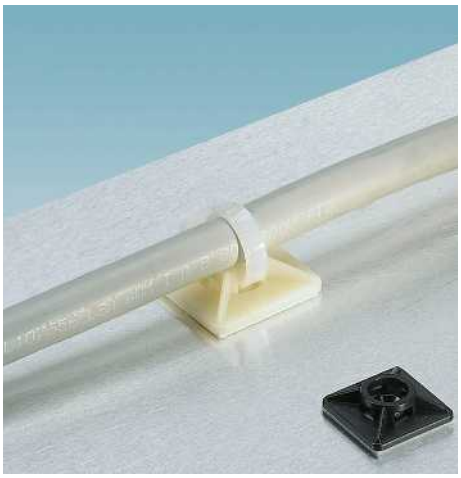
Ordering data

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, 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



Cable binder socket, for cable binder width up to 4 (6) mm

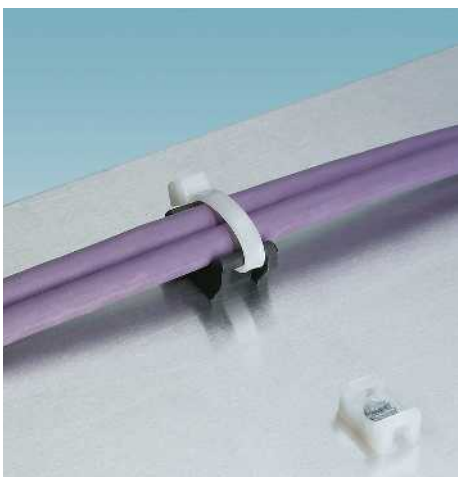
Technical data

General data		
Material		ABS
Flammability rating 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



Cable binder socket, for cable binder width from 5 (9) mm

Technical data

General data		
Material		PA 6.6
Flammability rating 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



Cable binder socket,
for cable binder width up to 8 mm



Cable binder socket,
for cable binder width up to 9.5 mm

Technical data						
General data						
Material		PA 6.6			PA 6	
Flammability rating according to UL 94		V2			HB	
Temperature range	[°C]	-40 ... 85			-10 ... 65	

Ordering data							
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cable 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

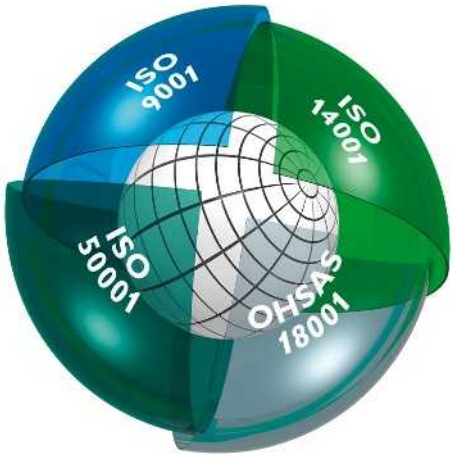


Cable driller,
bundle diameter from 5.1 to 20.3 mm

Technical data		
General data		
Material		PA 6.6
Flammability rating 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 objective of the Phoenix Contact integrated management system is to integrate all requirements pertaining to products, processes, and the organization.

Statutory and regulatory requirements, as well as those of international standards and our customers, are met and, in some cases, even exceeded in all phases of the product lifecycle.

The integration of quality, environmental protection, and occupational safety into the Phoenix Contact management system is monitored for conformance every year by independent, internationally recognized institutes. Certifications according to international standards ISO 9001, ISO 14001, and BS OHSAS 18001 are for us the result of our corporate philosophy of meeting the needs of our customers, employees, and the environment to the greatest possible extent. They are used as the basis for innovative products with the trusted, high Phoenix Contact quality standard, active environmental protection, and responsible occupational health and safety. Of course we also integrate the additional requirements of standards, international approvals, and special customer requirements into our company processes.

The result of this system is a building block for the success of the Phoenix Contact Group as well as its products and services.

CE marking

CE marking was introduced as an important instrument for the free movement of goods within the European single market. By applying the mark to a product, the manufacturer confirms its compliance with all EU directives applicable to this product. The EC directives describe the product characteristics with regard to device safety and the avoidance of risks. These are legally binding regulations of the European Union (EU), which means that the fulfilment of these requirements is a **legal prerequisite for the marketing of these products within the EU**.

Where applicable, our products currently fall within the scope of the following directives:

– 2006/95/EC
  Electrical equipment for use within certain voltage limits (low-voltage directive)
– 2004/108/EC
  Electromagnetic compatibility (EMC Directive)
– 2006/42/EC
  Safety of machinery (Machinery Directive)
– 94/9/EC
  Devices and protective systems for use in potentially explosive areas (ATEX 100a directive)
– 1999/5/EC
  Wireless systems and telecommunications terminal equipment (R&TTE).

The standards used as the basis for the aforementioned directives have been at the heart of our development standard for some time as a way of ensuring compliance with European directives. The numbers of the directives indicate their version at the time of publication. In the event of changes to directives and/or standards, our products will undergo conformity assessment again in good time and a new declaration of conformity will be issued simultaneously. The current declarations for each product can also be found in our Download Center.

Among the aforementioned European directives, the EMC Directive plays a particularly important role. It uses a legally binding directive as the basis for defining electromagnetic compatibility as a fundamental device property. European legislation therefore places great emphasis on the electromagnetic compatibility of devices and systems as a basic prerequisite for the error-free operation of machines and systems. As an international leader in the field of surge protection, Phoenix Contact has extensive expertise in EMC. This expertise and the experiences gained over many years in the development and application of industrial interface and communication technology have resulted in an extremely high standard of quality for our products when it comes to electromagnetic compatibility. Our sister company, Phoenix Testlab, was founded in order to share this expertise with other companies. Phoenix Testlab GmbH is an independent, accredited service company, which carries out EMC testing in compliance with the European standards. At Phoenix Testlab, devices are also tested with regard to their electrical safety, mechanical influences, and their behavior in relation to environmental influences. Phoenix Testlab is also a "Notified Body" according to EMC Directive 2004/108/EC and R&TTE directive 1999/5/EC for wireless systems and telecommunications terminal equipment. As a "Telecom Certification Body" (TCB), Phoenix Testlab is also able to approve these products for the markets in the USA, Canada, and Japan.

Standards and regulations

All relevant standards and regulations are used as the basis for the development and maintenance of our products.

International standards are subject to continuous changes as a result of harmonization and new developments. In order to comply with this process, we keep a record of the current version of the standards applicable to our products in the product area of our website at **phoenixcontact.net/products**.

Online product information service on the world wide web

Phoenix Contact is continuously extending its product range.

Within the scope of our product monitoring obligation, all products are subject to an improvement process.

The Internet is an ideal platform to quickly communicate new product developments and improvements to the market.

You can quickly access the relevant Phoenix Contact website for your region via phoenixcontact.com. There you will always find an up-to-date overview of products, solutions, and services from Phoenix Contact. This includes technical documents such as data sheets and user manuals, current driver and demo software, and a direct link to the relevant contact person.

Materials

Polyamide (PA)

Polyamide has excellent electrical, mechanical, chemical, and thermal properties, even at high operating temperatures. Brief peak temperatures of up to 200°C are permitted as a result of heat aging stabilization. Polyamide absorbs moisture from its surroundings (2.8% on average). This is not the embedded water of crystallization, however, but rather chemically bound H_2O groups in the molecular structure. This makes the plastic flexible and resistant to breakage, even at temperatures as low as -60°C. According to UL 94, PA belongs to inflammability class V2 to V0. The polyamide used by Phoenix Contact is silicone- and halogen-free and is suitable for use at temperatures between -60°C and
+125°C.

Polycarbonate (PC)

Polycarbonate has a high mechanical strength and chemical resistance. Rigidity, dimensional stability, and good heat distortion resistance are further distinguishing features of this material. Polycarbonate is used to manufacture particularly smooth and stable marking materials. The polycarbonate used by Phoenix
Contact absorbs little moisture, is silicone- and halogen-free, and is suitable for use at temperatures between -40°C and +125°C.

Polycarbonate/acrylonitrile butadiene styrene (PC/ABS)

PC/ABS blends are amorphous thermoplastics which are characterized by high impact strength potential even at low temperatures. They are resistant to acids and lyes, for example. In addition to benefiting from a high dimensional accuracy and low distortion tendency, they absorb little moisture. The products manufactured from these blends have high-gloss surfaces. Temperature range: -50°C to +90°C.

Acrylonitrile butadiene styrene (ABS)

ABS is a copolymer. It has a high impact strength and is strong and hard. The ABS used by Phoenix Contact is silicone-free and is suitable for use at temperatures between -40°C and +85°C.

Polyvinyl chloride (PVC)

PVC has a long service life. It is characterized in particular by its outstanding mechanical strength and high chemical resistance. Neither oxygen nor ozone affects PVC. The material is resistant to corrosive salt solutions and most acids. The polyvinyl chloride used by Phoenix Contact is silicone-free and is suitable for use in temperatures between -30°C and +80°C.

Polyester

Polyester is a chemical-resistant material. It is ideally suited to printing, shaping, and punching. Polyester is resistant to UV radiation and absorbs little moisture. The polyester used by Phoenix Contact is silicone- and halogen-free. Depending on its composition, it is suitable for use in temperatures between -40°C and +150°C.

Polyolefine

Polyolefines are semi-crystalline thermoplastics, which can be easily processed as extrusion profiles (shrink sleeves). They are characterized by good chemical resistance. Silicone-free, temperature range: -55°C to +125°C.

Polyethylene (PE)

Polyethylene is a thermoplastic material which is highly resistant to acids, alkalis, and other solvents. PE absorbs hardly any moisture and has high durability and breaking elongation. Silicone- and halogen-free, temperature range: -40°C to +80°C.

Halogen-free

The term halogen-free, based on international standards for base materials for PCBs (e.g., IEC 61249-2-21, IPC 4101 C), relates to the elements chlorine and bromine in flame protection agents. This also forbids the use of flame protection agents containing halogen according to DIN EN ISO 1043-4.

This means that, according to the definition in the ZVEI position paper (requirements for the use of halogen-free products in the electrical and electronics industry), no flame protection agents containing halogen or PVC are present in the components.

Inflammability classification

UL 94 V0/1/2

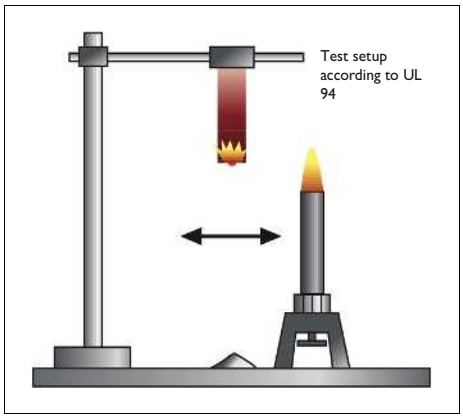
The inflammability tests for plastics have been defined by the Underwriters Laboratory (USA) in regulation UL 94. This applies to all areas of application, particularly in electrical engineering. Inflammability of the plastic material is examined in the test laboratory in a horizontal (HB - Horizontal Burn) or vertical (V - Vertical Burn) test with a naked flame. In order of increasing resistance to combustion, the evaluation classes are HB, V1, V2, V0. Test results are listed on "yellow cards" and are published annually in the Recognized Component Directory.

The flash point, the combustion point, and the ignition point of a material are decisive with regard to behavior in fire. The tests show that the classifications of UL 94 V1/2/0 are stricter than those of UL 94 HB.

The test bar is clamped vertically and flame-treated several times. Each flame treatment lasts 10 seconds. Between the flame treatments, the time until the test bar is extinguished is measured. Then the afterflame times and the drip behavior are evaluated.

This test setup is not suitable for foils and/or very thin test objects that shrink when exposed to the heat of the flame.

Phoenix Contact only uses plastics which conform to UL 94 V1/2/0.



Classification	UL 94 V0	UL 94 V1	UL 94 V2	UL 94 HB
Burning time after each flame treatment	≤ 10 s	≤ 30 s	≤ 30 s	-
Total burning time after 10 flame treatments	≤ 50 s	≤ 250 s	≤ 250 s	-
Glowing time after the 2nd flame treatment	≤ 30 s	≤ 60 s	≤ 60 s	-
Complete burn-off	No	No	No	Yes
Ignition of the wadding beneath the sample	No	No	No	-

Halogen-free flame protection

DIN EN ISO 1043-4

Halogens include the chemical elements astatine, fluorine, chlorine, bromine, and iodine. One characteristic of the halogen compounds of bromine and chlorine relates to the reduction in the degree of inflammability when used in plastics. In the event of fire, poisonous corrosive gases are formed. Secondary damage attributable in part to the water used to extinguish the fire can also be caused. For this reason, Phoenix Contact does not use any flame protection systems which contain halogens or other additives. Polyamide, polycarbonate, polycarbonate/acrylonitrile butadiene styrene, acrylonitrile butadiene styrene, and polyolefines feature halogen-free flame protection systems.



Industrial marking - quality features

Marking materials and their markings must withstand the widest range of extreme environmental conditions, according to their area of application. To ensure clear and permanent marking, the properties of the base material must not alter too drastically, the quality of the printing must remain constant.In addition to environmental influences, marking materials and their markings are frequently exposed to mechanical effects. It must not be possible to scratch the marking off, and abrasion caused by industrial cleaning agents must not render it illegible. The marking materials must, furthermore, also be securely fixed even in the event of vibration. Phoenix Contact only uses tested materials, that fulfill the requirements set by these standards, without restriction.

Weathering-resistance

DIN EN ISO 4892-2

To simulate multiple years of use outdoors, we expose the marking materials to the cyclical stresses of UV radiation and humidity.

In this way, artificial weathering can be created, which provides an insight into the mechanical properties and the appearance of a material.



Resistance to oil and chemicals

DIN EN ISO 175

Liquid oils and chemicals can start physical or chemical reactions, that have a negative impact on the base material. The mechanical properties of a plastic can even be affected, as well as the resistance of the marking. Tested materials stand up to these influences.



Wipe resistance

DIN EN ISO 61010-1-2 and DIN EN ISO 62208

To ensure wipe resistance of marking in an industrial environment, these undergo a test with isopropanol, n-hexane, and petroleum ether. To this end, a cloth is soaked in the respective chemical and wiped over the marking material with a certain degree of force for 30 s. Afterwards, the label has to be clearly legible.



Corrosion resistance

DIN 50018

To test the resistance of the materials against corrosion damage, they are exposed to a condensation changing climate with an atmosphere containing sulfur dioxide, at +40°C. This environment forms an acidic atmosphere in the test process. Finally, a microscopic visual check of the materials is performed. All marking materials used by Phoenix Contact conform to this demanding standard and are resistant to aggressive substances.



Salt spray

IEC 60068-2-11/-52

Particularly in shipbuilding and in offshore applications, the markings must resist corrosive atmospheres containing salt. To ensure this, the resistance of the materials is tested with salt spray in a corrosive atmosphere. A visual inspection is performed after the test.



Vibration resistance

DIN EN 50155

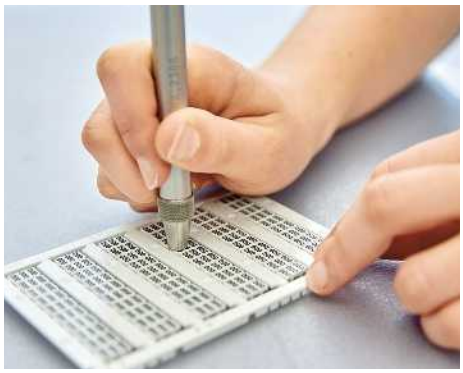
For a practical simulation of vibration stress (e.g., in the rail industry) the marking materials are exposed to vibration resistance at increasing and decreasing frequencies and amplitudes. They are tested in the three axes (x, y, z), for five hours each, and must not be damaged and their secure positioning must not have been impacted.



Scratch resistance

DIN EN ISO 1518

The Erichsen test checks the scratch resistance of markings under intermittent or linear stress. A defined force is applied to an engraving needle via spring tension. The spring tension is decisive; as the Erichsen hardness tester leaves behind a barely visible trace.



Adhesive strength

DIN EN ISO 2409

To test the adhesive strength of an imprint, for the Tesa test, a transparent strip of self-adhesive tape with an adhesive strength of 10 ± 1 N is attached to the imprint to be tested. The self-adhesive tape is then pulled off at an angle of 60° to the direction of tensile force. There should be no marks from the print on the adhesive tape after the test.



Adhesive strength

FINAT 1, 2, and 9

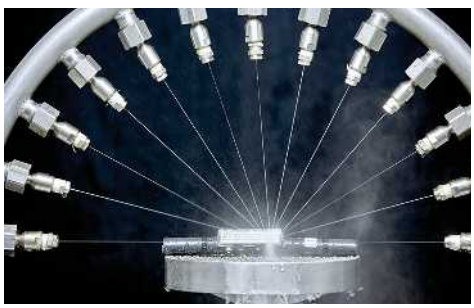
To determine the adhesive strength of a label on a base material, a strip of labels (25 mm x 175 mm) is applied with a specified force. The test sample is then removed after a defined wait time, at a pre-defined angle, at 300 mm/min. The adhesive strength is specified in N/25 mm.



IP degree of protection

DIN EN 60529/ISO 20653

Various ambient conditions and requirements necessitate clear classification in IP degrees of protection. These are expressed in two key figures, following the IP abbreviation: the first one describes the scope of protection against the penetration of foreign bodies, the second the seal-tightness against humidity.



Conductors and cables

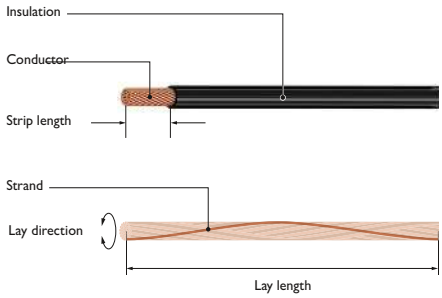
Conductors, cables, and wiring all serve the same purpose: to carry electrical signals or energy. In everyday conversation, cables are often equated to wires, as both versions generally consist of several conductors that are isolated from each other. The cable has increased mechanical resistance. As a result, use in the ground, underwater or even unprotected outside is possible.

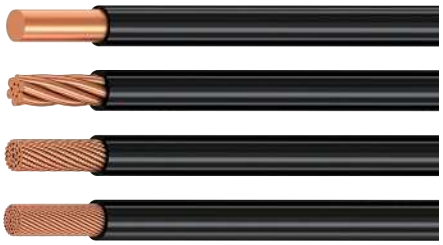
The conductor (also called wire) consists of a conductive core of copper or aluminum, in addition to insulation. Copper is preferred, due to its excellent electrotechnical properties. The IEC / DIN EN 60228 (VDE 0295) divides conductors into 4 classes of flexibility. They are classed according to the basic flexibility of the conductor. The criteria for this are the individual wire diameters and the number of individual wires.

A further influence on the inherent stability is the twist pitch. The twist pitch refers to the length of an individual wire, that is required for a 360° rotation. The lower the twist pitch, the more rigid and compact the conductor is, and this also increases the external diameter. In the IEC / DIN EN 60228 (VDE 0295) standard, the conductor cross sections are defined by the electric conductance or resistance values. These values are the basis for determining the maximum current carrying capacity. Geometrical data, in particular cross section tolerances, are not determined here. As a result, the actual cross section can deviate substantially from the nominal cross sections.

These days, copper exhibits a purity of up to 99.99%. By using copper, the manufacturer is in a position to replace the actual copper cross section with one of more than 10% less. This factor presents a challenge when it comes to crimping. Insulation separates the individual conductors permanently from each other. Furthermore, it also acts as a protective sleeve against external influences. The basic requirement from the insulation material is the greatest possible electrical resistance; however, the corresponding resulting warmth can detract from this.

Today, the choice of insulation is above all plastic, in all its versions. The type and properties of the plastic decide the later usage options for the conductors, cables, and wires. A further criterion is the strength of the insulation. This measure has direct influence on the mechanical and electrical loading capacity. The condition of the insulation (hardness, durability, thickness,...) is furthermore decisive when choosing the right stripping tool.





Ferrules

The ferrule is a useful tool in conductor manufacture and wiring. Using sleeves prevents potential splicing of the individual wires. This enables effective, and above all, reliable processing. In DIN 46228, the ferrule is defined as between 0.5 and 50 mm². This standard can be split into four parts:

– Part 1: blank shape without plastic sleeve
– Part 2: crimping with and without insulation
– Part 3: conductor surrounded without insulation
– Part 4: blank shape with plastic sleeve

In addition to the geometrical dimensions, the materials and the coloring dependent on cross sections are the test basis of the standard. Furthermore, the requirements on the sleeve, and conductors of classes 2, 5, and 6 must be picked up on.

The conductor cross sections are defined via the electrical resistance levels and not, as is the case with sleeves, via the geometric dimensions. Larger differentiations in the cross sections are therefore possible (also refer to the text on conductors and cables). Due to this, there is a certain discrepancy between the sleeve and the conductor. Phoenix Contact crimping tools are however overwhelmingly designed to even out this difference in capacity.

In addition to DIN, there is a French standard for ferrules, NFC 63-023. With the exclusion of coloring in some cross sections (refer to matrix) the NFC is based on DIN. UL 486 F as well as the Canadian C22.2 NO. 291-14 are new to the field of legal provisions for ferrules.

These harmonized standards are also based on the DIN. However, they deal with testing methodologies and specific requirements in a more in-depth manner (among others, refer to the table of extraction values).

In UL 486 F, for the first time, special sleeves such as the TWIN are fixed in the standard for two-wire connection. For certification according to the standards mentioned above, UL and CSA, comprehensive testing by the respective organization is necessary. It is not only the sleeves that are tested and certified; the entire system based on crimping tools and ferrules undergoes this process.

The most important advantages of the ferrules:

– Increased, long-term operational and contact reliability
– Time-saving further processing (specially with Push-in terminal blocks)
– Reliable connection, even with repeated re-wiring
– Reduction in cable breakages
– Easy cross-section detection
– Increased vibration resistance
– Permanently low contact resistances
– Individual wires are protected (particularly for screw terminal blocks)
– Consistent clamping of screw connections

Note: now UL-certified

Phoenix Contact was one of the first tool manufacturers to have ferrules in combination with crimping tools and crimping devices certified in accordance with the new UL 486F standard. Together with DIN 46228 (1-4) conformity, this allows us to fulfill global market requirements in the areas of quality, safety and compatibility.

Cross section [mm²]	NFC 63-023	German code	DIN 46228-4	UL486-F (E shape)
0.14		Gray		
0.25		Light blue		
0.34	Green	Turquoise		
0.50	White	Orange	White	White
0.75	Blue	White	Gray	Gray
1.00	Red	Yellow	Red	Red
1.50	Black	Red	Black	Black
2.50	Gray	Blue	Blue	Blue
4.00	Orange	Gray	Gray	Gray
6.00	Green	Black	Yellow	Yellow
10.00	Brown	Ivory	Red	Red
16.00	Ivory	Green	Blue	Blue
25.00	Black	Brown	Yellow	Yellow
35.00	Red	Beige	Red	Red
50.00	Blue	Olive	Blue	Blue

Crimping, pressing, crushing

Crimping describes the mechanical joining of contact and conductor mechanically.

In addition to crimping, two further terms are used, based on standards. The type of deformation plays a decisive role here. Based on the type of contact, a distinction is made between:

– Crushing,
  for insulated cable lugs
– Pressing,
  for ferrules, uninsulated cable lugs, and similar enclosed connectors.

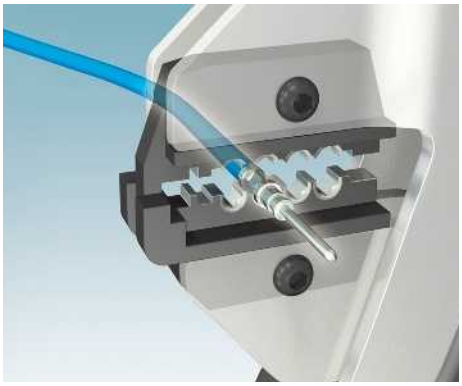
If slip-on blade connectors are processed, we speak of a procedure called crimping. Please observe the following key points to ensure a reliable connection between the contact and the conductor.

– The conductor must be prepared correctly.
– The contact and the conductor must be compatible
– The conductor must be positioned correctly in the contact
– Select the correct crimping tool
– The conductor and contact are placed in the designated die nest of the pliers

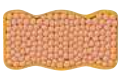
Professional crimping pliers are always equipped with a releasing pressure lock. They unlock as soon as the required crimping pressure is attained. This rules out the possibility of too little pressure. This guarantees the user a consistent crimping result with maximum pull-out values.

Automatic or semi-automatic crimping machines are often used when large numbers of contacts need to be processed. The DIN EN 60352-2 and DIN EN 60999-1 standards are among the references used to subsequently assess crimping results. In addition to a variety of electrical and mechanical tests, conductor pull-out tests are the decisive criterion.

All tools in the CRIMPFOX range of pliers from Phoenix Contact are adjusted and tested according to the applicable standards. These tools ensure long-term stable, gas-tight crimping. We recommend checking the crimp quality every 5000 cycles or once per year, using suitable, calibrated test equipment.



Crimp profiles



WM crimp
For crimping ferrules according to DIN 46228-1/4, UL 486F



B crimp
For crimping non-insulated slip-on blade connectors, slip-on sleeves, and further open crimping sleeves.



Hex crimp
For crimping ferrules according to DIN 46228-1/4, UL 486F, non-insulated tubular cable lugs, coaxial and FO connectors.



Square crimp
For crimping ferrules according to DIN 46228-1/4, UL 486F, non-insulated tubular cable lugs, coaxial and FO connectors.



Indent/prong crimp
For crimping non-insulated cable lugs and connectors.



Four-mandrel crimp
For crimping turned contacts.



Trapezoid crimp
For crimping ferrules according to DIN 46228-1/4, UL 486F



Oval crimp
For crimping insulated cable lugs and connectors.



Double indent crimp
For crimping non-insulated cable lugs and connectors.

Connectors

The crimp connections have been tested millions of times in all areas of industry; automotive technology, air travel, the transport industry, and in medical devices. Connectors are designated crimp contacts. A wide range of versions and designs is available.

They are divided into two main groups: the large, turned connectors or contacts are referred to as “closed”, the punched, rolled connectors or contacts are called “open”. In the electrical installation, these crimp connections fall under the heading of “solder-free electrical connections”.

The scope of service as well as test specifications are described in the European standard DIN EN 60352-2. “Crimping” is a joining process, that permanently connects one or more conductors with a contact. A stripped conductor is inserted into the crimp zone of the contact and connected by means of a specific crimping process. This results in a durable, reliable connection that cannot be detached.

The following key groups make up the different connector types, with a large range of dimensions and conductor cross sections:

– Punched-rolled contacts,
– Turned contacts,
– Hard-soldered crimping wire lugs,
– Tubular and compression cable lugs,
– Butt connectors,
– Insulated crimping wire lugs,
– Pin cable lugs,
– Uninsulated and insulated ring cable lugs,
– Uninsulated and insulated fork-type cable lugs,
– Uninsulated and insulated slip-on sleeves,
– And coaxial CATV connectors.

The B-crimp profile is mainly used as a crimping profile for punched, rolled contacts. Large rotated connectors or contacts mainly exhibit profiles in four-mandrel crimping (4/8 indent), square, hexagonal, and B-crimp.

Mechanical crimping pliers with a ratchet system or hydraulically actuated tools with different die sizes and crimp profiles process cross sections larger than 10 mm².

In electrical, pneumatic, and electropneumatic crimping machines, depending on the machine type, there are square and four-mandrel profiles up to 10 mm². For larger cross sections, such as the connector, the B crimping profile is used. Other profiles, such as WM-Crimp, O-Crimp, Indent-Crimp, and Double-Indent-Crimp, are used for processing ferrules, tubular and crimped cable lugs, and connectors up to 300 mm².

The DIN 46230, DIN 46234, and DIN 46235 are used as a reference for the standard. This time-saving, cost-effective connection method has been proven over many decades, millions of times. Getting the right version however, is a very complex task. For crimp connections in line with standards, the right interplay of

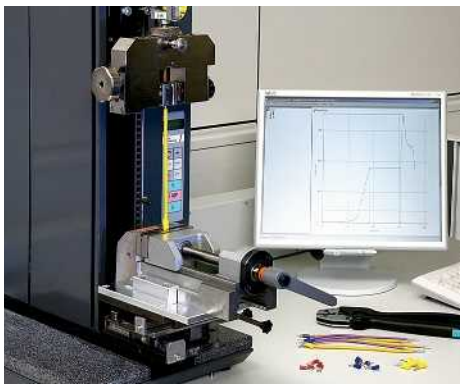
– litz wire cross section,
– crimp contact,
– crimping tools
– and correct tool settings

is crucial. Selecting the crimp profile depends on various parameters, such as the connector or crimp contact, the standard applicable, the area of use, and the specific connector type.

Conductor pull-out test

DIN EN 60352-2

Crimping points can be affected by tensile forces during wiring or operation. Therefore, properly crimped ferrules and connectors must offer a high degree of mechanical safety. To test the tensile load capacity, a crimped conductor is exposed to a predefined, cross-sectional tensile force for a period of 60 seconds, and it must withstand this load. The tensile force exerts stress on the conductor at the crimping point. Damage to the crimp point must not be a result of this. Generally, even the maximum tensile force is tolerated, until the connection is destroyed.



Conductor cross sections/conductor pull-out forces

Metric	JIS type	AWG / MCM equivalent		UL 486F - A-F	"IEC 60999-1/2 EN 60947-1 DIN 46228-1/4"	IEC 60352-2	UL486A/B (CU)	JIS C 2805	DIN EN 61238-1 (CU)	DIN EN 61238-1 (CU)
[mm²]	[mm²]	AWG	[mm²]	[N]	[N]	[N]	[N]	[N]	[N]	[N]
0.2	-	24	0.21	20	10	28	22.3			28
0.25				20		32				
0.34	-	22	0.33	20	15	40	35.6			40
0.5	-	20	0.52	20	20	60	57.9			56
0.75	-			30	30	85	89			87
		18	0.82	30	30	90	89			
1	-			35	35	108				108
	1.25							100 (200)		
1.5		16	1.31	40	40	135	134			150
				40	40	150	134			
	2.0							100 (290)		
2.5		14	2.08	50	50	200	223			230
				50	50	230	223			
	3.5							540		
4				60	60	310	312			310
		12	3.31	60	60	275	312			
	5.5							780		
6		10	5.26	80	80	360	356			360
	8							980		
10		8	8.37			370	401		600	
				90	90	380	401			
	14							1400		
16		6	13.23	100	100		445		960	
	22							1800		
25		4	21.15	135	135		623		1500	
		3	26.67				712			
35		2	33.62	190	190		801		2100	
	38							2500		
		1	42.41				890			
50		1/0	53.48		236		1113		3000	
	60							3200		
70		2/0	67.43		285		1235		4200	
95		3/0	85.01		351		1558		5700	
	100							3900		
120		4/0	107.22		427		2003		7200	
		250 MCM	127				2225			
150	150	300 MCM	152				2448	4100	9000	
185		350 MCM	177				2670		11100	
	200							4400		
		400 MCM	203				2893			
240		500 MCM	253		578		3560		14400	
	250							4600		
300		600 MCM	304		578		4005		18000	
	325							4800		

Gas tightness

A gas-tight crimp connection is the result of a defined crimping procedure. The wire strands in one or more conductors and a connector are joined into a largely homogeneous structure, with no clearances. This results in a durable, reliable connection that cannot be detached.

In addition to the mechanical and electrical properties to be tested, a visual observation of the crimp area provides key information on the quality of the connection. To this end, grinding patterns or acquisitions are created by means of computer tomography. The porosity, breaking elongation, and the formation of the individual wire strands are assessed in this way.

A correctly executed crimp procedure is largely protected from gases such as sulfur-dioxide containing industrial environments, oxygen, salt spray, or other corrosive media. In this manner, corrosion during the service life of the individual wire strands is prevented due to a gas combination. This results in reduced electrical properties.

The crimp connections of ferrules are different to those of connectors or cable lugs. Ferrules are used as splicing protection for class 2, 5, and 6 copper wires, that are flexible and highly flexible. The material thickness of the copper sleeves of ferrules is just 0.15 mm to 0.45 mm. Consequently, it is significantly thinner than that of cable lugs.

DIN 46228 (parts 1-4) describes the mechanical testing and the envelope dimension check as of 2.5 mm². Class 5 copper wires according to IEC 60228 are described for the crimping of ferrules. The electrical properties are evaluated with the later application of the connection, e.g., within a terminal block. In harsh environments, corrosion-free contact areas are a real prerequisite for low-resistance and therefore high-performance connections.

For this reason, the secure positioning of the connection in the terminal point must be ensured.

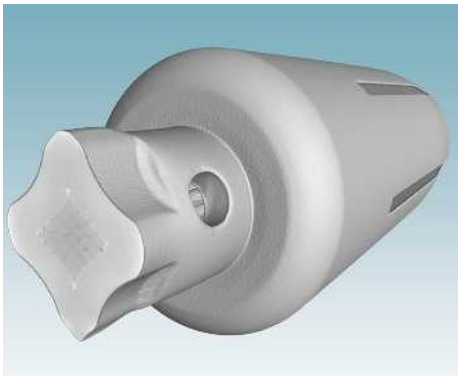
The impact of aggressive media on the terminal point is evaluated in the terminal block standard for copper wire. The voltage drop according to DIN EN 60947-7-1 must not exceed a value of 3.2 mV before or after the test, nor must it exceed 1.5 times the value measured at the start of the test.

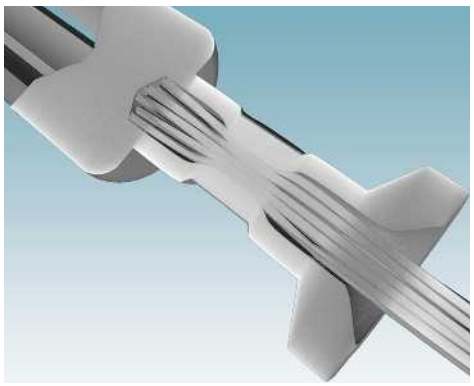
In a gas-tight connection, it is assumed, that the requirements of a test in a condensation changing climate with an atmosphere containing sulfur dioxide are fulfilled according to DIN 50018 (AHT 2,0 S).

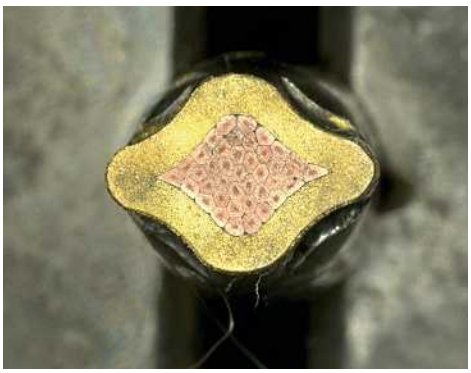
This test consists of storage in a condensation changing climate with changing air humidity and temperatures. In the first test section, the test object is exposed to an SO2 volume concentration of 0.67% at a temperature of 40°C and a humidity of approx. 100% for 8 hours.

After this test, the test objects are left to dry for 16 hours with the door open. This cycle is executed twice, before the test objects are assessed.

When used correctly at contact points, Phoenix Contact crimping tools, ferrules, and connectors achieve a permanent gas-tight connection. Even aggressive media do not impair this connection.







1000 V tests according to EN 60900

In the strict safety regulations for working on live parts up to 1000 V AC and 1500 V DC, VDE-insulated tools take on a key role. Of course, general safety measures also apply. The IEC 60900 international standard places the highest requirements on the insulated tools.

In addition to the specifications in terms of geometry and dimensions, the properties of the insulation material are above all defined here. Comprehensive tests complete the standard. As such, the condition of the insulation and the inscriptions undergo a visual test.

An impact test checks the resistance of the insulation layer against impacts. Breakages, flaking or cracks cannot occur, even at low temperatures (depending on the category, from -25°C or -40°C).

After an indentation test (semi-sphere with 5 mm diameter), the insulation is exposed to 70°C with 20 N for 2 hours. After cooling, the test point must not exhibit any electrical disruptive discharge, flashover or sparkover over a period of 3 min. while a voltage of 5 kV is applied (r.m.s. value).

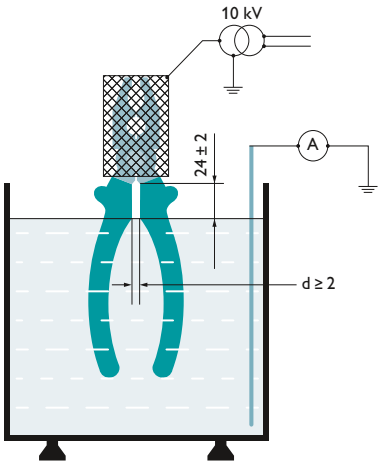
In dielectric tests, pre-conditioned tools (water bath, humidor storage) are exposed to a voltage test. A voltage of 10 kV is applied for 3 minutes. The discharge current must be less than 1 mA per 200 mm coating length of the hand tool.

Further tests are based on the adhesion strength of the insulation coating, the inscriptions' resistance to chemicals, and the combustion behavior. The positive outcome of the type proofing of a tool forms the basis for using the VDE logo, in conjunction with IEC 60900.

Regular checks on the production sites and test points are also made through the respective VDE approval point. As part of these, among other things: Random product samples are taken from ongoing production and assessed. The manufacturer carries out comprehensive testing, during production. They ensure that the requirements of IEC 60900 are fully met.

The last hurdle is the test for electric strength. Each tool is tested at 10,000 volts AC. Only after passing this test can a tool be referred to as VDE-certified and released for sale.

The VDE-insulated and correspondingly marketed tools from Phoenix Contact provide the user with high quality and the greatest possible degree of safety when working with live parts up to 1000 V AC and 1500 V DC.



Identification colors

The plastic sleeves of the insulated cable lugs and connectors are equipped with different colors, depending on the cross section. As such, the conductor cross sections are easily and safely differentiated between.

Conductor cross sections and their corresponding identification colors are listed in the table.

Conductor cross section		Color
[mm²]	AWG	
0.1-0.5 0.25-0.75	26-20 24-18	yellow/light green green
0.5-1.5 1.5-2.5	20-16 16-14	red blue
4-6 10	12-10 8	yellow red
16 25	6 4	blue yellow

Cutting

Cable processing starts with the trimming or cutting of the conductor or cable.

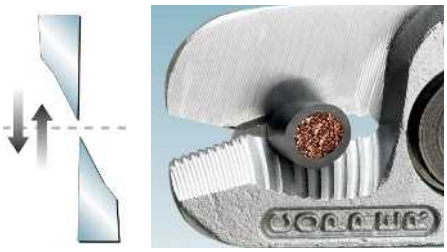
Conductors and cables in a wide range of sizes, shapes, and insulation can only be processed professionally and permanently with quality tools. Optimum leverage means that you only need to apply low manual force to generate maximum force in the cutting area.

When it comes to cutting conductors and cables in the upper cross section range up to 1400 mm², ratchet-driven cable cutters are the solution. Here, the finely stepped down drives also keep the required manual force to a minimum. Both versions, with direct and indirect force transmission, feature special cutting geometries which help to ensure ease of movement and can be relied upon to produce burr-free right-angle cuts. Accidental deformation of the conductor is thereby prevented.

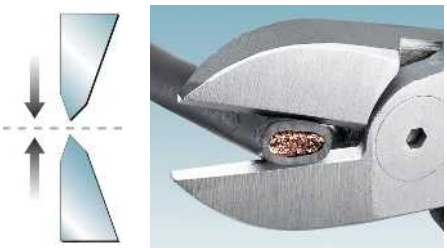
The cutting method described above, which is also known as shear cutting, is listed under the generic term "splitting" in DIN 8588. The two blades move toward and past one another and cut (shear) the material without burring.

Bite cutting involves two wedge-shaped blades which move toward one another to cut the material. The wedge angle set for the blades is deliberately large and therefore stable. In addition to the hardening of the entire tool, the cutting area is subsequently hardened again inductively. This enables even extremely hard materials such as piano wire and spring steel to be cut, with a tensile strength of up to 2300 N/mm², without damaging the tool. Bite cutting is suitable only to a limited extent for cutting through cables and lines.

When used accordingly, the CUTFOX cutting tools from Phoenix Contact can be relied upon for long-term stability and permanently consistent results.



Shear cutting



Bite cutting

Stripping

Stripping is the next step in the manufacturing process for creating reliable crimping. In this case, a distinction is made between stripping and removing the sheath.

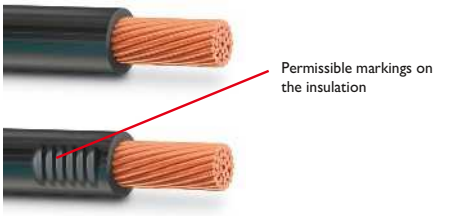
Stripping is used as a generic term as well as to describe the removal of insulation from conductors up to 16 mm². Removal describes the stripping process for large conductor cross sections and multi-strand or multi-layered lines and cables. Insulation can be removed professionally and quickly using the right removal or stripping tool.

The length of insulation to be removed varies depending on the terminal point and connector. The dimension is set via the adjustable stops and ensures even stripping lengths. If the insulation is removed, ensure that neither the single wires inside nor the braided shield are damaged.

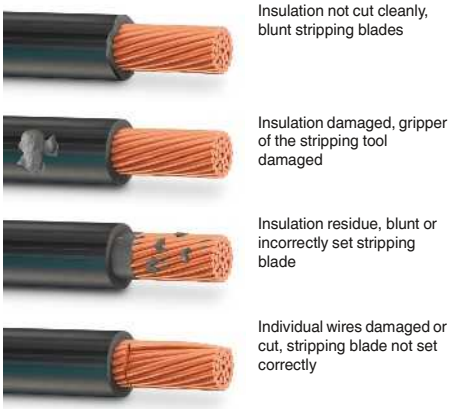
The remaining insulation must not be damaged by the grip pressure, although pressure points on and color changes in the insulation material are permitted. Further faults that need to be prevented are stipulated in DIN IEC 60352-2.

Blade geometries suitable for the application in question are used to process special insulation materials. V blades are used for both hard (e.g., Teflon/Radox®) and soft rubber insulations (silicone). In contrast to the straight blade geometry, V blades cut the insulation all the way round, thereby reducing the tear-off force.

In order to fulfill these requirements, Phoenix Contact provides a wide range of removal and stripping tools for convenient, safe processing of different conductors, cables, and wire types.



Correctly stripped conductors according to DIN IEC 60352-2



Cable stripped incorrectly according to DIN IEC 60352-2

Tightening torque of terminal block screws

DIN EN 60947-1

Table 4 of the standard specifies the tightening torque to demonstrate the mechanical strength of screw connections/screw terminal blocks.

These torques are sufficient for 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.

Extract from DIN EN 60947-1/ EN 60947-1, Table 4

The torque according to IEC/EN and the recommended tightening torque for Phoenix Contact terminal blocks are specified.

Head screw with slot	
Thread	**Torque**
	[Nm]
M1.6	0.1*
M2.0	0.2*
M2.5 (M2.6)	0.4*
M3	0.5*
M4	1.2*
M4.5	1.8*
M5	2.0*
M6	2.5*
M8	3.5*
M10	4.0* / 10**
M12	14**
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 / Protective conductor busbars
Extract from IEC 60947-7-2 / EN 60947-7-2 / DIN EN 60947-7-2 / VDE 0611-3

Phoenix Contact type	Rail profile	Material	Short-circuit withstand capability ≙ E CU conductor [mm²]*	Short-time withstand current 1 s [kA]	Maximum permissible thermal nominal current for PEN function [A]
NS 15 UNPERF 2000MM	DIN rail, acc. to EN 60715 – 15 x 5.5	Steel	10	1.2	* *
NS 15 PERF 2000MM	DIN rail, acc. to EN 60715 – 15 x 5.5	Steel	10	1.2	* *
NS 15-AL PERF 2000MM	DIN rail, dimensions acc. to EN 60715 – 15 x 5.5	Aluminum	16	1.92	76
NS 32 UNPERF 2000MM	G-profile rail, acc. to EN 60715 – G 32	Steel	35	4.2	* *
NS 32 PERF 2000MM	G-profile rail, acc. to EN 60715 – G 32	Steel	35	4.2	* *
NS 32-CU/35 QMM UNPERF 2000MM	G-profile rail, dimensions acc. to EN 60715 – G 32	Copper	120	14.4	269
NS 32-CU/120 QMM UNPERF 2000MM	G-profile rail, similar to EN 60715 – G 32	Copper	150	18.0	309
NS 35/7,5 UNPERF 2000MM	DIN rail, acc. to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 PERF 2000MM	DIN rail, acc. to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 V2A UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Copper	50	6.0	150
NS 35/7,5-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Aluminum	35	4.2	125
NS 35/15-2,3 UNPERF 2000MM	DIN rail, 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.
* * Protective conductor busbars made of steel may not be used for the PEN function.

Air clearances and creepage distances

IEC 60947-7-1 / UL 1059

Carrying out a dimensional check of air clearances and creepage distances confirms that electrical insulation properties are adequate with respect to the following:

– Application
– Expected contamination
– Ambient conditions

The minimum distances are defined in IEC 60947-1 and UL 1059.

The distance is verified by measuring between two neighboring terminal blocks and the support, taking into account the shortest distances.

For the clearance, this means:

The clearance is the shortest distance in the air between two conductive parts. The deciding factors for rating the minimum clearance values are the rated surge voltage and the overvoltage category of the terminal block.

For the creepage distances, this means:

The creepage distance is the shortest distance along the insulating body between two conductive parts. The deciding factors for determining the minimum creepage distance are the rated voltage, the pollution degree, and the insulation material group of the terminal block.

The minimum values can be taken from the table values for the relevant standards.

IEC 60947-7-1

Phoenix Contact terminal blocks are designed with overvoltage category III and pollution degree 3 with the required distances.

UL 1059

Phoenix Contact terminal blocks are generally designed for a nominal voltage of 600 V in Use Group C.

Detailed information can be found in the data sheets or the catalog documentation.

UL Use group	Definition	Voltage, maximum [V]
O	Operating elements, consoles, and similar	150 300 600
B	Conventional devices, including office and electronic data processing equipment and similar	150 300 600
C	Industrial applications, without restrictions	150 300 600
D	Industrial applications, equipment with limited rating	300 600

Certification bodies and safety marks

Certification bodies and approvals		Country code
CB scheme	IECEE CB Scheme (in combination with certifying body)	Interna-tional
CCA	CENELEC Certification Agreement (CCA inspection report) (in combination with certifying body)	EU
	Canadian Standards Association (CSA)	CA
	Canadian Standards Association (CSA) - CSA approval for the USA -	US
	Canadian Standards Association (CSA) Combined logo - CSA approval for Canada and the USA -	CA US
	Underwriters Laboratories Inc. (UL)	US
	Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA
	Underwriters Laboratories Inc. (UL) Combined logo - UL approval for the USA and Canada -	US CA
	INSIEME PER LA QUALITA'E LA SICUREZZA	IT
EAC	Eurasian Conformity	BY KZ RU
KEMA KEUR	DEKRA Certification B.V.	NL
ÖVE	Österreichischer Verband für Elektrotechnik	AT
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
	Berufsgenossenschaft (BG) GS Tested safety	DE
Intertek	Intertek ETL Listed - Approval for the USA -	US
Intertek	Intertek ETL Listed - Approval for Canada -	CA
Intertek	Intertek ETL Listed - Approval for the USA and Canada -	US CA
TÜV	TÜV Rheinland Industrie Service GmbH	DE
	China Compulsory Certification	CN
	Korea Communications Commission	KR

Explosion protection		Country code
IEC IECEx	International Electrotechnical Commission	Interna-tional
Ex	ATEX Directive	EU
DEKRA	DEKRA Certification B.V.	NL
PTB	Physikalisch-Technische Bundesanstalt	DE
kiwa	KIWA Nederland B.V.	NL
VTT	VTT Expert Services Oy	FI
IBExU	IBExU Institut für Sicherheitstechnik GmbH	DE
	TÜV Rheinland do Brasil	BR
TÜV NORD	Technischer Überwachungsverein Nord	DE
DEKRA	DEKRA EXAM GmbH	DE
	Canadian Standards Association (CSA)	CA
US	Canadian Standards Association (CSA) - CSA approval for the USA -	US
C US	Canadian Standards Association (CSA) Combined logo - CSA approval for Canada and the USA -	CA US
	Underwriters Laboratories Inc. (UL)	US
	Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA
	Underwriters Laboratories Inc. (UL) Combined logo - UL approval for the USA and Canada -	US CA
FM APPROVED	FM Approvals	US
EAC Ex	Eurasian Conformity for Ex-products	BY KZ RU

Marine classification societies		Country code
DNV GL MARITIME	DNV GL - MARITIME	DE
BUREAU VERITAS	Bureau Veritas	FR
GL	Germanischer Lloyd AG	DE
Lloyd's Register	Lloyd's Register of Shipping	GB
ClassNK	Nippon Kaiji Kyokai	JP
DNV	Det Norske Veritas	NO
	Polski Rejestr Statków	PL
	Russian Maritime Register of Shipping	RU
KR KOREAN REGISTER	Korean Register of Shipping	KR
ABS	American Bureau of Shipping	US

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