2023

Industrial identification

Marking systems and marking materials, software, and services

MARKING system
Simply easy!

We simplify your daily work – that's the promise backing every industrial marking and identification solution from Phoenix Contact. The MARKING system portfolio provides a comprehensive system solution for simple and efficient marking processes – consisting of intuitive marking software, powerful marking systems, versatile identification solutions, and comprehensive services.

1 Marking systems

MARKING system offers three identification technologies for different durability requirements as well as devices for stationary and mobile use. Whether manual or automated identification, all systems provide intuitive support when creating markings.

More information starting on page 4

2 Marking materials

MARKING system covers every application with a wide variety of marking materials. When it comes to marking terminals, wires and cables, equipment, and plants, versions are available to meet every requirement.

More information starting on page 76

4

Service

Expert support for any pre-sales, sales, or after-sales issues. Whether by email, phone, or directly on site – we are here to assist you at any time with our individual services.

More information starting on page 164

3

Marking software

User-friendly marking software for all target groups with application-specific functions – from fully comprehensive desktop software to identification directly on site with the MARKING system app.

More information starting on page 154

Contents

Marking systems

1

There are numerous and varied requirements for markings that are used in industrial applications. Whatever your marking requirements, we have the right system for you. Whether manual or automated identification, all systems provide intuitive support when creating markings. Choose from resilient direct laser marking, versatile UV LED printing, or flexible thermal transfer printing. For identification directly in the application environment, we recommend our mobile printers.

Laser marker

Create resilient markings for the highest demands with the TOPMARK NEO.

More information starting on page 10

UV LED printers

The BLUEMARK ID printing systems are versatile. They mark in monochrome or in CMYK multicolor printing.

More information starting on page 16

Thermal transfer printers

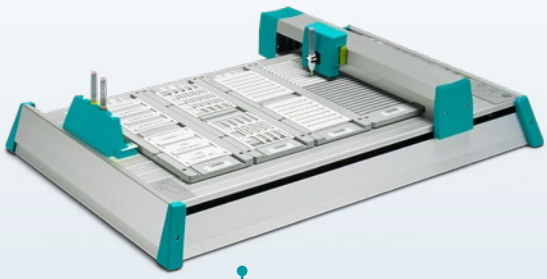
Flexible creation of markings with the THERMOMARK CARD 2.0, THERMOMARK ROLL 2.0, and THERMOMARK E.300 (D) / E.600 (D) thermal transfer printers.

More information starting on page 22

Mobile thermal transfer printers

With the THERMOMARK PRIME and the THERMOMARK GO SERIES devices, you can create your markings directly in the application environment.

More information starting on page 42



Plotters and engraving systems

Create professional markings with the PLOTMARK and ENGRAVING UNIT.

More information starting on page 62

Automated identification

Print and apply in just a single, efficient process step with the THERMOMARK E SERIES.

More information starting on page 70

Selection guide for marking systems

	Identification technology	Marking material	Marking system
Automated identification			
	Thermal transfer printing	Material off the roll	Applicators: THERMOMARK … E.WIRE, E.WRAP, E.SLEEVE THERMOMARK E.VARIO applicator THERMOMARK E SERIES: combination of THERMOMARK E.300 (D) / E.600 (D) standard thermal transfer printer and one of four applicators for efficient terminal identification and wire and cable identification
Manual identification – stationary			
	Thermal transfer printing	Material off the roll	THERMOMARK E.300 (D) THERMOMARK E.600 (D)
	Thermal transfer printing	Material off the roll	THERMOMARK ROLL 2.0
	Thermal transfer printing	Card material	THERMOMARK CARD 2.0
	UV LED printing	Card material	BLUEMARK ID / BLUEMARK ID COLOR
	Direct laser marking	Card material	TOPMARK NEO
	Plotter	Card material	PLOTMARK
	Engraving	Card material	ENGRAVING UNIT
Manual identification – mobile			
	Thermal transfer printing	Card material	THERMOMARK PRIME
	Thermal transfer printing	Cartridge material	THERMOMARK GO
	Thermal transfer printing	Cartridge material	THERMOMARK GO.K

Main identification areas	Print volumes	Number of compatible marking materials
Wire / cable Terminal	Large	38 2
	Large	799
	Medium	788
	Small	623
	Large	1106
	Medium / large	492
	Small	676
	Small	72
	Small	623
	Small	106
	Small	81

- Terminal identification
- Wire and cable identification
- Equipment identification
- Plant identification

Marking systems

Marking systems for manual industrial identification

Industrial markings must enable clear identification. Therefore, depending on the application and the associated ambient conditions, there are numerous and different requirements. We offer a wide selection of marking systems for stationary and mobile manual identification. Make your workflows even more effective and decide which system best suits your requirements.

Marking systems for stationary identification

Stationary marking systems are particularly suitable for processing large quantities of orders. Our extensive identification portfolio offers a solution for every requirement. Choose from three different technologies: Flexible thermal transfer printing, versatile UV LED printing, and resilient direct laser marking, and find the system that best suits your application.

BLUEMARK ID /
BLUEMARK ID COLOR UV
LED card printer

TOPMARK NEO
laser marker

THERMOMARK CARD 2.0
thermal transfer card printer

THERMOMARK ROLL 2.0
thermal transfer roll printer

THERMOMARK E.300 (D) /
E.600 (D) expandable thermal
transfer roll printer

Marking systems for mobile identification

In addition to the printers for stationary, centrally organized identification processes, we also offer solutions for technical supply units in the application environment with our mobile thermal transfer printers. Featuring integrated marking software and wireless control via app, the battery-powered printers are ready for use exactly where you need them.

THERMOMARK PRIME
mobile card printer

THERMOMARK GO
app-controlled label printer

THERMOMARK GO.K
compact handheld printer

Direct laser marking system TOPMARK NEO

The TOPMARK NEO uses direct laser marking to create markings that meet the highest requirements. With almost 500 different materials, the innovative system processes the largest laser portfolio on the market for the identification of various applications. Numerous intelligent functions make operation so easy and intuitive that there is no need for any in-depth knowledge of lasers.

Information about the TOPMARK NEO

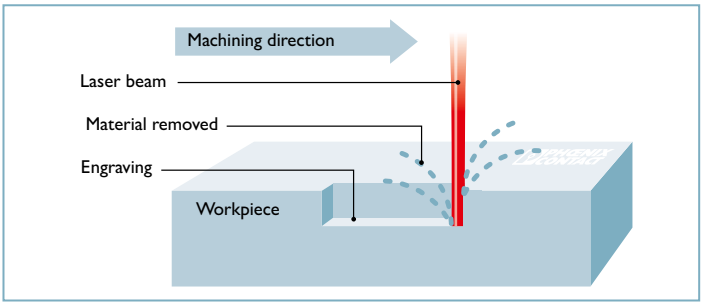
Laser marker

The TOPMARK NEO marking system enables you to flexibly implement the requirements of challenging identification applications. With modern laser technology, the integrated marking software, and a de-stacking and stacking function, you can quickly and easily create marking materials for use in industrial applications. The laser marker processes a diverse range of materials in card and sheet format. The laser marking results achieved with the TOPMARK NEO impress with their excellent resilience against a wide range of environmental and mechanical influences. Preset parameters mean that no specialist knowledge of lasers is required to operate the device.

Resilient direct laser marking

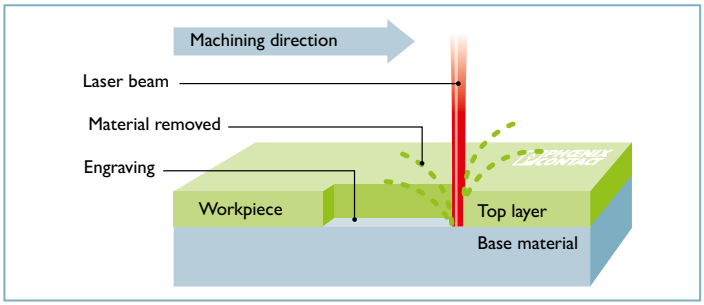
The TOPMARK NEO uses a fiber laser to generate the laser beam. The advantage of this technology is the high beam quality, and therefore a high resolution, since the laser beam is generated directly in the glass fiber.

The selection of the appropriate marking method for the respective application is crucial. If all the parameters are well matched, this results in markings that meet the highest requirements.



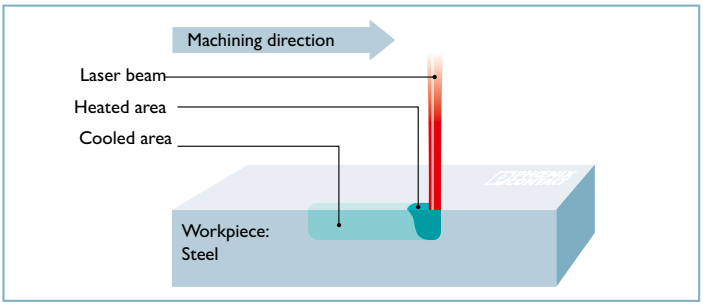
Engraving solid material through abrasion

During the engraving process, the laser beam meets the surface of the solid material. The heat generated vaporizes the material and thus removes it – thereby creating the engraving.



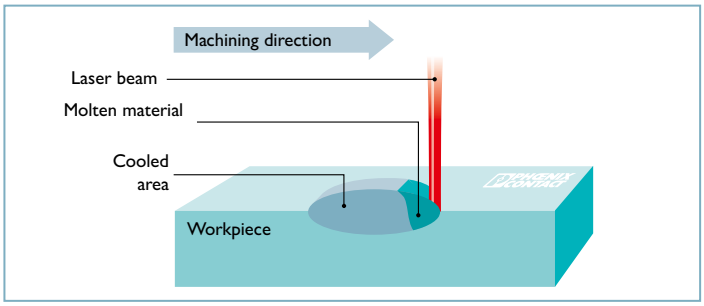
Engraving through abrasion of the top layer

The engraving process, in which the base material becomes visible as the top layer is removed, is typically used for anodized aluminum, coating layers, or special laser marking films. The different visible materials create the color contrast for the marking.



Annealing marking

In annealing marking, the laser applies an oxide layer in the workpiece. The color of the layer depends on the temperature. No material is removed in this case, so the surface of the workpiece remains smooth and even.



Carbonization and foaming

This method generates a marking by melting the material. Carbonization is suitable for light-colored plastics because it causes a darkening of the material.
By contrast, foaming forms small gas bubbles in plastic that reflect the light and thus create light-colored markings on dark plastic.

Possible applications of the TOPMARK NEO laser marker

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Terminal identification			
UCT-TM		Markers made of PC (polycarbonate) in sheet format for latching into terminal blocks with tall marking groove, can be marked with thermal transfer, UV LED, and laser technology	91
UCT-TMF		Markers made of PC (polycarbonate) in sheet format for latching into terminal blocks with flat marking groove, can be marked with thermal transfer, UV LED, and laser technology	91
Wire and cable identification			
UCT-WMTBA…		Angled cable markers made of PC (polycarbonate) in sheet format for marking wires and cables by means of assembly with cable ties	105
LS-WMTB-AL		Aluminum cable markers in sheet format for marking wires and cables by means of assembly with cable ties	110
LS-WMTB-V4A		Stainless steel cable markers in sheet format for marking wires and cables by means of assembly with cable ties	111
UC-WMTBA …/PP…		Highly durable, angled cable markers made of PP (polypropylene) in sheet format for marking wires and cables by means of assembly with cable ties	105
Equipment identification			
UCT-EM		Snap-in markers made of PC (polycarbonate) in sheet format for latching into marker carriers and components for equipment marking	123
UCT-EMNP		Insert labels made of PC (polycarbonate) in sheet format for the identification of the Festo CPX-AP-I automation system	123
UCT-EMP		Markers made of PC (polycarbonate) in sheet format for insertion into KMK… marker carriers for equipment marking	123
LS-EMP-AL		Aluminum labels in sheet format for latching into CARRIER-EMP… marker carriers for equipment marking	129

Possible applications

Product group	Feature image	Description	Page
Equipment identification			
LS-EMLP-AL		Self-adhesive aluminum labels in sheet format for equipment marking	130
LS-EMLP-V4A		Self-adhesive stainless steel labels in sheet format for equipment marking	130
LS-EMSP-AL		Aluminum labels in sheet format for screwing or riveting for equipment marking	129
LS-EMSP-V4A		Stainless steel labels in sheet format for screwing or riveting for equipment marking	129
LS-EMLP		Self-adhesive ABS labels in sheet format for equipment marking	129
LS-EMLP 24		Self-adhesive ABS labels in sheet format for marking command and signaling devices	128
LS-EML		Self-adhesive laser foil in sheet format for equipment marking	129
Plant identification			
UCT-PMP		Labels made of PC (polycarbonate) in sheet format for latching into marker carriers for the identification of machines and systems	139
UCT-PMLP		Self-adhesive labels made of PC (polycarbonate) in sheet format for the identification of machines and systems	139

TOPMARK NEO

TOPMARK NEO laser marker				
				
Type	Item no.	TOPMARK NEO	1012015	TOPMARK NEO SET	1012018
Description		Laser marking system for the efficient marking of metal and plastic marking materials from the LS…, UCT…, UC…/PP…, and UM… product families.		Equipment set consisting of the TOPMARK NEO laser marking system and the TMN-EXTRACTION extraction unit for the efficient marking of metal and plastic marking materials from the LS…, UCT…, UC…/PP…, and UM… product families.	
Interfaces		10/100 Mbps Ethernet (P2P), dynamic IP RS-232 USB host for USB stick		10/100 Mbps Ethernet (P2P), dynamic IP RS-232 USB host for USB stick	
Ambient temperature		5°C … 35°C		5°C … 35°C	
Print resolution		Max. 500 dpi		Max. 500 dpi	
CW laser power		20 W		20 W	
Weight		45 kg		100 kg	

Accessories for the TOPMARK NEO

Accessories

	Type	TMN-EXTRACTION
	Item no.	1012102
	Filter and extraction unit for the efficient extraction of fumes and dust caused by TOPMARK NEO laser emissions.	
	Type	TMN-PRE FILTER
	Item no.	1012100
	Replacement prefilter for TOPMARK NEO	
	Type	TOPMARK LASER HEPA FILTER
	Item no.	0803305
	Replacement HEPA filter	
	Type	TOPMARK LASER CARBON FILTER
	Item no.	0803306
	Replacement activated carbon filter	
	Type	TMN-EXTRACTION HOSE
	Item no.	1012101
	Replacement suction tube, length: 2.5 m	
	Type	TOPMARK LASER CLEANING NOZZLE
	Item no.	0803310
	Cleaning nozzle, for plugging onto the suction tube of the extraction unit.	
	Type	TMN-ADAPTER PLATE-LS
	Item no.	1012104
	Adapter plate for LS materials incl. 4 magnets for spot securing of lightweight marking materials	
	Type	TMN-HANDLE SET
	Item no.	1012105
	Carrying handles for carrying the laser marker more easily	
	Type	TMN-BP
	Item no.	1012081
	Bypass plug, D-SUB connector, 25-pos. for simulating an extraction unit	

Accessories

	Type	TMN-FRAME-LS
	Item no.	0803478
	Retaining plate for circumferentially securing lightweight marking materials	
	Type	TOPMARK LASER STATION
	Item no.	0831835
	Unit for accommodating the TOPMARK LASER or TOPMARK NEO with space for an extraction unit and a notebook	
	Type	TMN-TRANSPORT BOX
	Item no.	1012103
	Original packaging for transportation	

UV LED printing systems BLUEMARK ID and BLUEMARK ID COLOR

With the BLUEMARK ID marking systems, you can process high print volumes and create high-quality markings. The intuitive operating software guides you through the entire printing process, automates maintenance, and helps prevent printing errors. The UV LED printing technology achieves pin-sharp typefaces in black and white and even in color with the BLUEMARK ID COLOR.

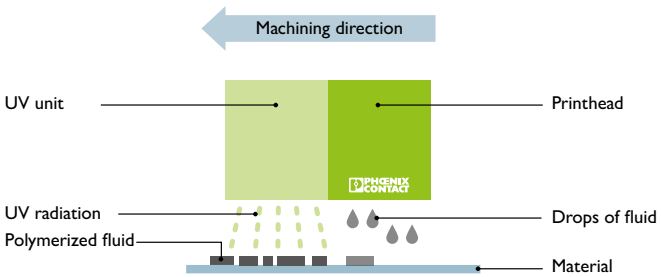
Information about the BLUEMARK ID and BLUEMARK ID COLOR

UV LED printers

Choose innovative UV LED technology in a space-saving device. The BLUEMARK ID printing systems are the all-in-one solution for processing high print volumes in industrial identification. Materials in card and sheet format as well as aluminum markers are printed quickly and easily by the versatile printers. The materials are instantly wipe- and scratch-proof, so are ready for immediate use. In addition to the BLUEMARK ID for monochrome printing, the BLUEMARK ID COLOR system also prints CMYK multicolor markings. Both printing systems have a stacking and de-stacking function. This enables the processing of up to 11,000 markers per hour for monochrome printing and 8,000 markers per hour for color printing.

Versatile UV LED printing

UV LED printing technology is based on the rapid curing process of a printing fluid with UV light. The printhead creates individual drops of ink from the fluid and propels them in the direction of the marking material. The drops are applied in lines below the printhead through the movement of the marking material. In the same step, UV radiation cures the fluid in an area of 1 cm² with very high intensity. No heat is generated during this process, so the resulting markings can be used immediately. The printed plastic or metal markings have high wipe and scratch resistance and are especially resistant to chemicals.



Your advantages

- ☑ The integrated marking software supports the entire printing process via an intuitive 7" touch display
- ☑ Automatic material feed-in and the stacking and de-stacking function speed up the processing of large quantities of material
- ☑ Additional front feed-in is integrated along with magazine insertion. This enables the flexible printing of individual UC/UCT sheets, metal labels, and US cards
- ☑ Over 1,000 materials for industrial identification are available for both printing systems

Possible applications of the BLUEMARK ID (COLOR) UV LED printer

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Terminal identification			
UC-TM		Markers made of PA (polyamide) in sheet format for latching into terminal blocks with tall marking groove	90
UC-TMF		Markers made of PA (polyamide) in sheet format for latching into terminal blocks with flat marking groove	90
UCT-TM		Markers made of PC (polycarbonate) in sheet format for latching into terminal blocks with tall marking groove, can be marked with thermal transfer, UV LED, and laser technology	91
UCT-TMF		Markers made of PC (polycarbonate) in sheet format for latching into terminal blocks with flat marking groove, can be marked with thermal transfer, UV LED, and laser technology	91
Wire and cable identification			
UC-WMT UCT-WMT		Cable markers made of PA (polyamide) in sheet format for insertion on wires and cables with marking sleeves from the PATG (HF)/PATO… system Cable markers made of PC (polycarbonate) in sheet format for insertion on wires and cables with marking sleeves from the PATG (HF)/PATO… system	104
UC-WMC		Wire markers made of PA (polyamide) in sheet format for clipping onto wires and cables, even after wiring has already been completed	104
UC-WMCO		Wire markers made of PA (polyamide) in sheet format for sliding onto wires and cables using the UC-WMCO…TOOL	106
UCT-WMCO		Wire markers made of PC (polycarbonate) in sheet format for subsequent marking by simply clipping onto wires and cables	104
UC-WMTBA UCT-WMTBA		Angled cable marker made of PA (polyamide) in sheet format for marking and bundling wires and cables by means of assembly with cable ties Angled cable marker made of PC (polycarbonate) in sheet format for marking and bundling wires and cables by means of assembly with cable ties	105
US-WMT		Prepunched cable markers made of PVC (polyvinyl chloride) in card format for insertion into marking sleeves from the PATG (HF)/PATO… system	106
WMTB-AL		Aluminum cable markers for marking wires and cables by means of assembly with cable ties	110

Possible applications

Product group	Feature image	Description	Page
Equipment identification			
UC-EMP		Snap-in markers made of PA (polyamide) in sheet format for latching into existing CARRIER-EMP label frames	122
UC-EMLP		Self-adhesive device markers made of PA (polyamide) in sheet format with high adhesive strength	122
UCT-EM		Snap-in markers made of PC (polycarbonate) in sheet format for latching into marker carriers and components for equipment marking	122
US-EMLP		Self-adhesive device markers made of PVC (polyvinyl chloride) in card format with high adhesive strength	124
US-EMP		Snap-in markers made of PVC (polyvinyl chloride) in card format for latching into existing CARRIER-EMP… label frames	124
EMLP-AL		Self-adhesive aluminum label for equipment marking	130
EMSP-AL		Aluminum label for screwing or riveting for equipment marking	130
Plant identification			
US-PML-M		Self-adhesive mandatory sign made of PVC (polyvinyl chloride) in card format in accordance with ISO 7010	143
US-PML-GHS		Self-adhesive hazardous substance label made of polyester in card format in accordance with the international standard (GHS)	144
US-PML-W		Self-adhesive warning label made of PVC (polyvinyl chloride) in card format in accordance with ISO 7010	143

BLUEMARK ID / BLUEMARK ID COLOR and printer accessories

UV LED printers

		
Type Item no.	BLUEMARK ID COLOR 1002329	BLUEMARK ID 1003334
Description	CMYK multicolor printer with UV LED technology, with integrated "MARKING system app" identification software, 7" touch color display for printing plastic tags in UC, UCT, and UM format, as well as metal labels.	Monochrome printer with UV LED technology and integrated "MARKING system app" identification software. 7" touch color display for printing plastic tags in UC, UCT, US, and UM format, as well as metal labels.
Interfaces	10/100 Mbps Ethernet, 1x USB 2.0 device, 1x USB 2.0 host	10/100 Mbps Ethernet, 1x USB 2.0 device, 1x USB 2.0 host
Ambient temperature	5°C … 35°C	5°C … 35°C
Print resolution	300 dpi, 600 dpi	300 dpi, 600 dpi
Weight	21 kg	21 kg

Accessories

	Type	BM ID-MAG20
	Item no.	1044356
	Input magazine for holding max. 20 UniCard sheets	
	Type	BM ID-MAG40
	Item no.	1044357
	Input magazine for holding max. 40 UniCard sheets	
	Type	BM ID-ADAPTER PLATE-US
	Item no.	1044355
	Adapter plate for holding US sheets	
	Type	BM ID CASE
	Item no.	1049953
	Transport case, with aluminum edges, for BLUEMARK ID and accessories	
	Type	BM ID-CARDBOARD BOX
	Item no.	1044361
	Original packaging for transportation	

Accessories: Magazines

	Type	BLUEMARK MAG EM-M (100X60)
	Item no.	0802742
	Magazine for BLUEMARK printer, for holding EMLP-AL (100x60) and EMSP-AL (90x60)	
	Type	BLUEMARK MAG UM-TM
	Item no.	0803335
	Magazine for BLUEMARK printer, for holding UM materials	
	Type	BLUEMARK MAG WM-M (40X15)
	Item no.	0802744
	Magazine for BLUEMARK printer, for holding WMTB-AL (40x15)	
	Type	BLUEMARK MAG AI-WM
	Item no.	5146567
	Magazine for BLUEMARK printer, for holding 0.5 mm² … 1.5 mm² ferrules with insulating collar that can be marked	
	Type	BLUEMARK MAG ZB 8/27
	Item no.	5146558
	Magazine for BLUEMARK, only for ZB 8/27 UV-100 - 0829102	

Accessories for the BLUEMARK ID and BLUEMARK ID COLOR

Accessories: BLUEMARK ID COLOR cartridges

	Type	BM ID-CARTR. BK
	Item no.	1044345
	Replacement UV fluid, 23 ml, color: black	
	Type	BM ID-CARTR. CY
	Item no.	1044346
	Replacement UV fluid, 23 ml, color: cyan	
	Type	BM ID-CARTR. MA
	Item no.	1044347
	Replacement UV fluid, 23 ml, color: magenta	
	Type	BM ID-CARTR. YE
	Item no.	1044348
	Replacement UV fluid, 23 ml, color: yellow	
	Type	BM ID-DUMMY CARTR. BK
	Item no.	1044351
	Dummy cartridge for transportation, color: black	
	Type	BM ID-DUMMY CARTR. CY
	Item no.	1044352
	Dummy cartridge for transportation, color: cyan	
	Type	BM ID-DUMMY CARTR. MA
	Item no.	1044353
	Dummy cartridge for transportation, color: magenta	
	Type	BM ID-DUMMY CARTR. YE
	Item no.	1044354
	Dummy cartridge for transportation, color: yellow	
	Type	BM ID-CLEANING CARTR.
	Item no.	1044350
	Replacement cleaning cartridge	

Accessories: BLUEMARK ID cartridges

	Type	BM ID-CARTR. BK
	Item no.	1044345
	Replacement UV fluid, 23 ml, color: black	
	Type	BM ID-DUMMY CARTR. BK
	Item no.	1044351
	Dummy cartridge for transportation, color: black	
	Type	BM ID-CLEANING CARTR.
	Item no.	1044350
	Replacement cleaning cartridge	

Thermal transfer printers

The printers in the THERMOMARK series are characterized by the proven, low-maintenance thermal transfer printing technology – providing a particularly cost-effective marking solution even for large order volumes. The various printers for marking materials in card, sheet, and roll format process a wide range of materials for terminal, wire and cable, equipment, and plant identification.

THERMOMARK CARD 2.0

The THERMOMARK CARD 2.0 marks plastic labels in card and sheet format for applications in terminal, wire and cable, equipment, and plant marking.

More information starting on page 24

THERMOMARK ROLL 2.0

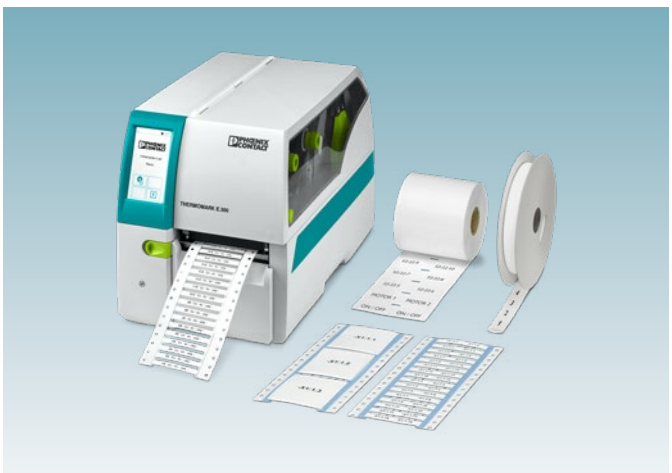
The THERMOMARK ROLL 2.0 prints labels, shrink sleeves, and marking sleeves in roll format for applications in terminal, wire and cable, equipment, and plant marking.

More information starting on page 30

THERMOMARK E.300 (D) / E.600 (D)

The THERMOMARK E.300 (D) / E.600 (D) is suitable for long-term industrial use as well as for large print volumes. In combination with one of the four applicators from the THERMOMARK E SERIES, the printer enables efficient automated identification of wires and cables in just a single process step. It is also possible to print terminal markers in continuous format and cut them individually to the appropriate pitch.

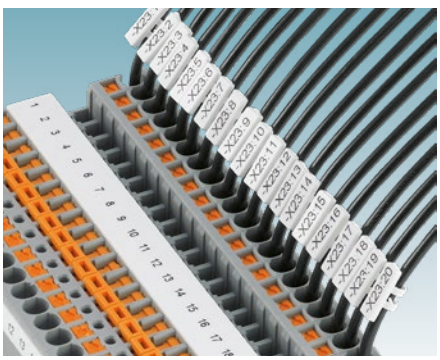
More information starting on page 36



THERMOMARK CARD 2.0

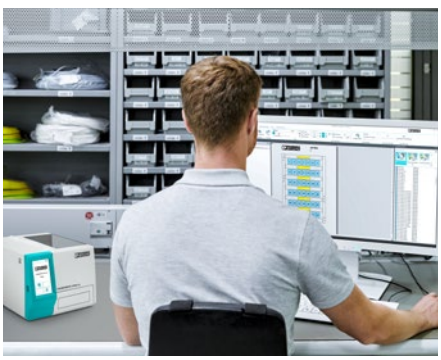
Thermal transfer printer for card and sheet format

The THERMOMARK CARD 2.0 is the efficient solution for printing plastic labels in card and sheet format. You can control the THERMOMARK CARD 2.0 directly via the marking software. The proven thermal transfer printing technology offers a high level of efficiency and low-maintenance operation.



With the THERMOMARK CARD 2.0, you can mark polycarbonate UniCard materials (UCT) quickly, easily, and cost-effectively. The material is characterized by its high mechanical strength and chemical resistance.

For high-quality component, equipment, and plant identification using thermal transfer printing, the THERMOMARK CARD 2.0 marks UniSheet materials (US) made of various plastics.



The MARKING system software enables you to implement your custom-designed marking solutions easily and conveniently. Control and manage your THERMOMARK CARD 2.0 with the MARKING system software.

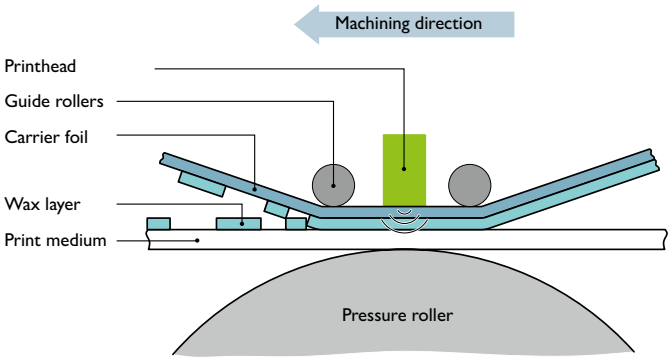
Information about the THERMOMARK CARD 2.0

Thermal transfer card printer

Delivering fast and high-quality results, the THERMOMARK CARD 2.0 thermal transfer printer prints marking materials in card and sheet format. This printer makes it easy for you to produce terminal, wire and cable, equipment, and plant markings of incredibly high quality. Automatic material detection ensures that the optimum print settings are used and lowers the risk of printing errors. The marking systems in the THERMOMARK series are characterized by the proven, low-maintenance thermal transfer printing method as well as their compact design, which enables space-saving stationary operation. The touch display enables intuitive printer operation.

Flexible thermal transfer printing

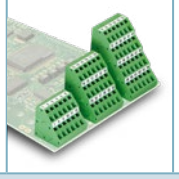
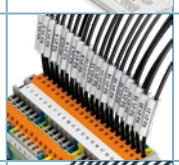
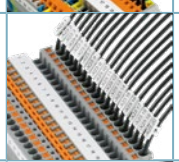
During the thermal transfer printing process, the desired print image is generated through a spot heat generation of the ink ribbon without greater mechanical influence of the marking material (Greek thermós = warm). As the ink ribbon is fed along the printhead in synchronization with the marking material, the heating elements of the printhead are heated according to the desired print image. The heat and contact pressure initiate precise ink transfer to the marking material. The three components comprising the printer, marking material, and thermal transfer ink ribbon determine the print quality. If their interaction is optimally coordinated, this ensures high-quality and durable printing results.



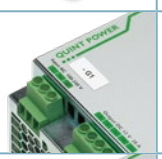
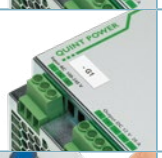
Your advantages

- ☑ High-quality, durable, and fast printing on all UniCard (UCT) and UniSheet (US) materials
- ☑ Particularly easy and error-free handling with automatic material detection
- ☑ Intuitive operation via touch color display
- ☑ Low-maintenance operation with proven thermal transfer printing technology
- ☑ Easy to control with the marking software
- ☑ USB and Ethernet ports as well as optional control via MARKING system app and separate Bluetooth adapter

Possible applications of the THERMOMARK CARD 2.0 thermal

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Terminal identification			
UCT-TM		Markers made of PC (polycarbonate) in sheet format for latching into terminal blocks with tall marking groove, can be marked with thermal transfer, UV LED, and laser technology	91
UCT-TMF		Markers made of PC (polycarbonate) in sheet format for latching into terminal blocks with flat marking groove, can be marked with thermal transfer, UV LED, and laser technology	91
US-TML		Self-adhesive marker strips made of polyester in card format for marking terminal blocks without marking groove	92
Wire and cable identification			
UCT-WMTBA		Angled cable markers made of PC (polycarbonate) in sheet format for marking and bundling wires and cables by means of assembly with cable ties	105
UCT-WMCO		Wire markers made of PC (polycarbonate) in sheet format for subsequent marking by simply clipping onto wires and cables	104
UCT-WMT		Cable markers made of PC (polycarbonate) in sheet format for insertion into marking sleeves from the PATG (HF)/PATO… system	104
UCT-WMS		Wire markers made of PC (polycarbonate) in sheet format for sliding onto wires and cables	106
US-WML		Durable, self-adhesive wrap-around labels made of PVC (polyvinyl chloride) with a transparent protective foil in card format for marking wires and cables in indoor and outdoor installations	106
US-WMTB		Cable markers made of PVC (polyvinyl chloride) in card format for marking and bundling wires and cables by means of assembly with cable ties	106
US-WMT		Prepunched cable markers made of PVC (polyvinyl chloride) in card format for insertion on wires and cables with marking sleeves from the PATG/PATO… system	106

transfer printer

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Equipment identification			
UCT-EM		Snap-in markers made of PC (polycarbonate) in sheet format for latching into a marking groove	123
US-EML		Self-adhesive, prepunched labels made of polyester in card format for the identification of components and equipment	123
US-EMLF		Self-adhesive, prepunched, and highly flexible labels made of PVC (polyvinyl chloride) in card format for equipment marking in indoor and outdoor installations	123
US-EMT		Prepunched snap-in markers made of polyester in card format for the identification of Siemens S7-300 controllers	124
US-EMLP		Self-adhesive device markers made of PVC (polyvinyl chloride) in card format for the identification of components and equipment	124
US-EMLP-HA		Self-adhesive labels made of PVC (polyvinyl chloride) with high adhesive strength in card format for equipment marking of components with rough, textured, and low-energy surfaces	124
US-EMP		Snap-in markers made of PVC (polyvinyl chloride) in card format for latching into existing CARRIER-EMP… marker carriers	124
US-EMSP		Individual markers in card format made of PVC (polyvinyl chloride) for screwing or riveting for equipment marking	124
Plant identification			
US-PML-ESS		Self-adhesive labels made of PVC (polyvinyl chloride) in card format for the identification of emergency stop buttons	144
US-PML-P		Self-adhesive prohibition signs made of PVC (polyvinyl chloride) in card format in accordance with ISO 7010	144
US-PML-W		Self-adhesive warning labels made of PVC (polyvinyl chloride) in card format in accordance with ISO 7010	143

THERMOMARK CARD 2.0

THERMOMARK CARD 2.0 thermal transfer printer	
	
Type Item no.	THERMOMARK CARD 2.0 1085267
Description	Thermal transfer printer for card materials, incl. Euro/US power cable and USB cable. User manual printed in German and English. Magazine for UCT-TM… sheets and magazines for US-… cards. One packing unit each UCT-TM 6, US-EMLP (85,6x54), ink ribbon = 50 m
Interfaces	10/100 Mbps Ethernet, USB 2.0
Ambient temperature	5°C … 35°C
Print resolution	300 dpi
Weight	6 kg

Accessories for the THERMOMARK CARD 2.0

Accessories: Transportation

Type	TL CASE
Item no.	0800613

Transport case for THERMOMARK printers, rounded profile case with aluminum frame, including the TL CASE TROLLY

Type	TL CASE TROLLY
Item no.	0803337

Trolley for the transport cases for THERMOMARK LINE and THERMOMARK ROLL X1

Type	TC/TR-PACKAGE WITH FOAM
Item no.	0801804

Original packaging for transportation

Accessories: Magazines

Type	TMP-UCT-MAG1
Item no.	0803342

Magazine, for THERMOMARK PRIME and THERMOMARK CARD, for holding UCT-TM…, UCT1(U)-TM…, UCT5-TM…, UCT-EM (5x10), UCT-EM (6x10)

Type	TMP-US-MAG1
Item no.	0803341

Magazine, for THERMOMARK CARD and THERMOMARK PRIME, for holding US cards

Type	TMP-UM-MAG1
Item no.	0831200

Magazine for THERMOMARK CARD and THERMOMARK PRIME, for holding UM material (UM1-TM and UM5-TM)

Accessories: Ink ribbons

Type	THERMOMARK-RIBBON 110-TC
Item no.	0801371

Ink ribbon, for THERMOMARK CARD for printing product groups UCT…, US…, and UM…, length: 300 m, roll length: 300 m, width: 110 mm, color: black

Type	TM-RIBBON 110 WH 100
Item no.	0804661

Ink ribbon, for THERMOMARK roll printers and THERMOMARK CARD for printing material-off-the-roll product groups: EML …, EMLP …, EMLF …, PML-M …, WMTB HF-HP…, WMS-2 HF … RD and US material product groups: US-EML(S)P …, US-EMLP-HA …, US-EM(S)P …, US-WMT …, US-WMTB …, US-PML-M …, US-EMLF …, length: 60 m, roll length: 60 m, width: 110 mm, color: white

Type	THERMOMARK-RIBBON 110/50-TC
Item no.	0801384

Ink ribbon, for THERMOMARK CARD for printing product groups UCT…, US…, and UM…, length: 50 m, roll length: 50 m, width: 110 mm, color: black

For more magazines and ink ribbons, visit our e-shop

Accessories: Cleaning

Type	CLEANING STICK
Item no.	5146697

Cleaning stick for fast and efficient printhead cleaning of all Phoenix Contact thermal transfer printers.

Type	THERMOMARK-CP
Item no.	5145371

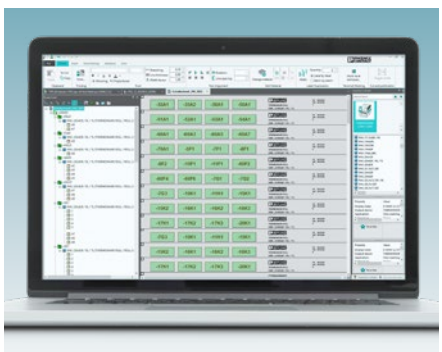
Cleaning pen, for thermal transfer printers

THERMOMARK ROLL 2.0

Thermal transfer printer for roll format

The THERMOMARK ROLL 2.0 prints labels and insert labels as well as shrink sleeves and marking sleeves in roll format. You can control the THERMOMARK ROLL 2.0 directly via the marking software. The proven thermal transfer printing technology offers a high level of efficiency and low-maintenance operation.

With the THERMOMARK ROLL 2.0, you can mark preassembled or continuous adhesive labels, insert labels, and shrink sleeves and marking sleeves quickly, easily, and cost-effectively.



The marking software enables you to implement your custom-designed marking solutions easily and conveniently. Control and manage your THERMOMARK ROLL 2.0 with the MARKING system software.

The clipx WIRE assist worker assistance system enables efficient wire processing. Combine the software-supported system with your printing systems for easy and ergonomic wire preparation.

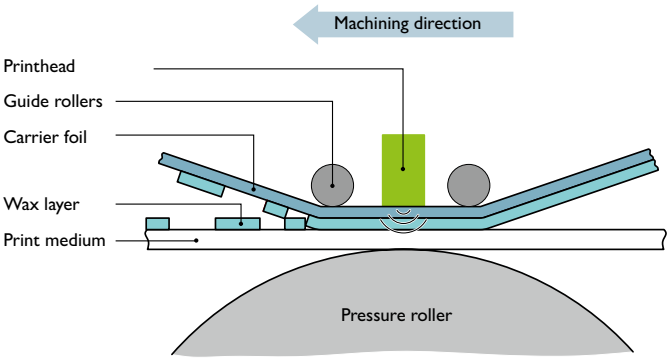
Information about the THERMOMARK ROLL 2.0

Thermal transfer roll printer

The THERMOMARK ROLL 2.0 prints markers in roll and continuous format for applications in terminal, wire and cable, equipment, and plant marking. You can create high-quality printed labels, insert labels, shrink sleeves, and marking sleeves easily and reliably. In combination with the THERMOMARK ROLL-CUTTER(/P) cutting units, you can cut or perforate continuous media in next to no time. The marking systems in the THERMOMARK series are characterized by the proven, low-maintenance thermal transfer printing method as well as their compact design, which enables space-saving stationary operation. The touch display enables intuitive printer operation.

Flexible thermal transfer printing

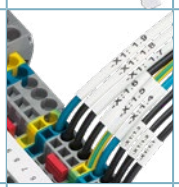
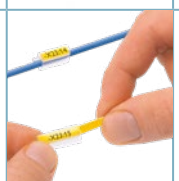
During the thermal transfer printing process, the desired print image is generated through a spot heat generation of the ink ribbon without greater mechanical influence of the marking material (Greek thermós = warm). As the ink ribbon is fed along the printhead in synchronization with the marking material, the heating elements of the printhead are heated according to the desired print image. The heat and contact pressure initiate precise ink transfer to the marking material.
The three components comprising the printer, marking material, and thermal transfer ink ribbon determine the print quality. If their interaction is optimally coordinated, this ensures high-quality and durable printing results.



Your advantages

- ☑ High-quality, durable, and fast printing of labels and insert labels as well as shrink sleeves and marking sleeves, preassembled or in continuous format
- ☑ Low-maintenance operation with proven thermal transfer printing technology
- ☑ Intuitive operation via touch color display
- ☑ Easy to control with the marking software
- ☑ Cutting or perforating of continuous media with high positioning accuracy
- ☑ USB and Ethernet ports as well as optional control via MARKING system app and separate Bluetooth adapter

Possible applications of the thermal transfer printer

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Terminal identification			
TMT…		Perforated terminal markers made of polyester in roll format for latching into a flat marking groove	93
Wire and cable identification			
WML		Durable, self-adhesive wrap-around labels made of PVC (polyvinyl chloride) with a transparent protective foil in roll format for marking wires and cables in indoor and outdoor installations	107
WML HF		Halogen-free, durable, and self-adhesive wrap-around labels made of PE (polyethylene) with a transparent protective foil in roll format for marking wires and cables	107
WML-FLAG		Self-adhesive labels suitable for double-sided printing made of polyolefin with cable marking flags in roll format for marking wires and cables	107
WMS WMS-2 HF		Halogen-free WMS marking sleeve made of polyolefin in ladder and continuous format for sliding onto wires and cables in accordance with UL 224 and CSA 22.2 with a shrink ratio of 3:1 Halogen-free WMS-2 HF marking sleeve made of polyolefin in ladder and continuous format for sliding onto wires and cables in accordance with EN 45545-2 for the railway industry with a shrink ratio of 2:1	110
WMTB HF WMTB HF-HP		Halogen-free WMTB HF cable markers made of PUR (polyurethane) in roll format for marking and bundling wires and cables by means of assembly with cable ties Halogen-free WMTB HF-HP cable markers made of polyolefin in roll format for marking and bundling wires and cables by means of assembly with cable ties in accordance with EN 45545-2 for the railway industry	109
WMT…		Prepunched cable markers made of PVC (polyvinyl chloride) in roll format for threading onto wires and cables	108
WMTS		Prepunched cable markers made of PET (polyethylene terephthalate) in roll format for insertion into marking sleeves from the PATG/PATO… system, easy to install with threading and insertion aid	108
EMT		Prepunched insert labels made of polyester in roll format for KMK… marker carriers	108

THERMOMARK ROLL 2.0

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Equipment identification			
EML		Self-adhesive, prepunched labels made of polyester in roll format for equipment marking	125
EML-HA		Self-adhesive, prepunched labels made of polyester in roll format for equipment marking of components with rough, textured, and low-energy surfaces	126
EML-LPR		Self-adhesive labels made of polyester with transparent protective laminate in roll format for equipment marking of components with rough, textured, and low-energy surfaces	125
EML-LPR-D		Detectable, self-adhesive labels made of polyester with transparent protective laminate in roll format for equipment marking of components with rough, textured, and low-energy surfaces	125
EML-D		Detectable, self-adhesive, and prepunched labels made of polyester with high adhesive strength in roll format for equipment marking	125
EML-LT		Self-adhesive, prepunched labels made of polyester in roll format for equipment marking of components in refrigerated and frozen environments	126
EMLP		Self-adhesive, prepunched labels made of polyester in roll format for the identification of electrical components, equipment, and buttons	127
EMLS		Self-adhesive safety labels made of polyester with special adhesive in roll format for equipment marking, can be used as a rating plate or seal label	126
Plant identification			
PML-W		Self-adhesive warning labels made of PVC (polyvinyl chloride) in roll format in accordance with ISO 7010	140
PML-M		Self-adhesive mandatory signs made of PVC (polyvinyl chloride) in roll format in accordance with ISO 7010	141
PML-P		Self-adhesive prohibition signs made of PVC (polyvinyl chloride) in roll format in accordance with ISO 7010	141

THERMOMARK ROLL 2.0 and printer accessories

THERMOMARK ROLL 2.0 thermal transfer printer

Type	Item no.	THERMOMARK ROLL 2.0 1085260
Description		Thermal transfer printer for material off the roll, incl. Euro/US power cable and USB cable. Operating instructions printed in German and English. 1 roll of labels EML (20x8)R white = 1000 labels, ink ribbon = 50 m
Interfaces		10/100 Mbps Ethernet, USB 2.0, RS-232
Ambient temperature		10°C … 35°C
Print resolution		300 dpi
Weight		3.8 kg

Accessories: Transportation

Type	TL CASE
Item no.	0800613
Transport case for THERMOMARK printers, rounded profile case with aluminum frame, including the TL CASE TROLLY	

Type	TL CASE TROLLY
Item no.	0803337
Trolley for the transport cases for THERMOMARK LINE and THERMOMARK ROLL X1	

Type	TC/TR-PACKAGE WITH FOAM
Item no.	0801804
Original packaging for transportation	

Accessories: Cutting unit and tear-off plate

Type	THERMOMARK ROLL-CUTTER
Item no.	5146422
Cutter, for THERMOMARK ROLL and THERMOMARK ROLL 2.0, cutter width: 110 mm, suitable for: TML-, SK-, EML-RM-, PMM-, WMS-, WMS-2 HF-, WMS-OT HF-, TMT continuous media, and EMT (EX15)R	

Type	THERMOMARK ROLL-CUTTER/P
Item no.	5146435
Perforation cutter, for THERMOMARK ROLL and THERMOMARK ROLL 2.0, cutter width: 45 mm, suitable for: WMS continuous media up to 25.4 mm, WMS-2 continuous media up to 25.4 mm, WMS-OT HF continuous media, TMT continuous media, and EMT (EX15)R	

Type	TR-TEAR OFF PLATE
Item no.	0801803
Tear-off plate	

Accessories for the THERMOMARK ROLL 2.0

Accessories: Ink ribbons

Type	THERMOMARK-RIBBON 110
Item no.	5145384
Ink ribbon, for roll printers for printing product groups TML…, WML…, WML HF…, WML-FLAG…, EML…, EML-ESD…, EML-RM…, EML-HA…, EMLS…, EMLC…, EMLP…, and PMM…, length: 300 m, roll length: 300 m, width: 110 mm, color: black	

Type	TM-RIBBON 110 WH 100
Item no.	0804661
Ink ribbon, for THERMOMARK roll printers and THERMOMARK CARD for printing material-off-the-roll product groups: EML …, EMLP …, EMLF …, PML-M …, WMTB HF-HP…, WMS-2 HF … RD and US material product groups: US-EML(S)P …, US-EMLP-HA …, US-EM(S)P …, US-WMT …, US-WMTB …, US-PML-M …, US-EMLF …, length: 60 m, roll length: 60 m, width: 110 mm, color: white	

Type	THERMOMARK-RIBBON 110-WMTB HF
Item no.	5148007
Ink ribbon, for roll printers for printing product groups WMTB HF…, WMS-2 HF…, TMT…, EMT…, EMLF…, PML-…, length: 300 m, roll length: 300 m, width: 110 mm, color: black	

Type	THERMOMARK-RIBBON 110-WMSU
Item no.	0801358
Ink ribbon, for roll printers for printing product groups WMS…, WMS-2 HF…, and WMTB HF-HP, length: 300 m, roll length: 300 m, width: 110 mm, color: black	

Type	THERMOMARK-RIBBON 64-WMSU WH
Item no.	0801361
Ink ribbon, for roll printers for printing product group WMS… (black), length: 300 m, roll length: 300 m, width: 64 mm, color: white	

Type	TM-RIBBON 25 BK 102
Item no.	1053499
Ink ribbon, for printing WMS-OT/WMS-2 HF… materials, length: 300 m, roll length: 300 m, width: 25 mm, color: black	

For more ink ribbons, visit our e-shop

Accessories: Pressure rollers

Type	TR-PRESSURE ROLLER DR4-50
Item no.	0801800
Pressure roller for continuous shrink sleeve	

Type	TR-PRESSURE ROLLER STANDARD
Item no.	0801802
Standard pressure roller	

Accessories: External media hubs

Type	THERMOMARK ROLL-ERH
Item no.	5146448
External media hub, for THERMOMARK ROLL, for outside roll diameter of 150 to 400 mm	

Type	THERMOMARK-ERH 500
Item no.	5146309
External media hub, for THERMOMARK ROLL, for outside roll diameter of up to 500 mm	

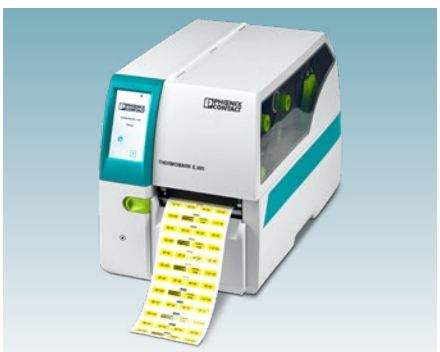
Accessories: Cleaning

Type	THERMOMARK-CP
Item no.	5145371
Cleaning pen, for thermal transfer printers	

THERMOMARK E.300 (D) / E.600 (D)

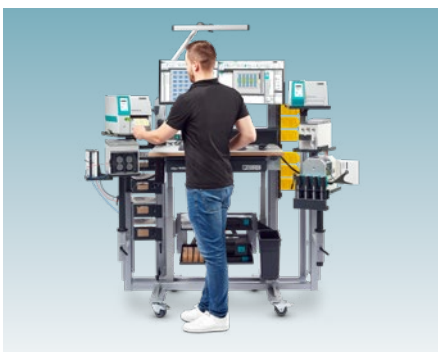
Thermal transfer printer for roll format

The THERMOMARK E.300 (D) / E.600 (D) processes all materials off the roll with a print resolution of 300 or 600 dpi. The marking system is suitable for long-term industrial use as well as for large print volumes, as large rolls can also be processed. In addition, the THERMOMARK E.300 (D) / E.600 (D) is the basic printer of the THERMOMARK E SERIES.



With the THERMOMARK E.300 (D) / E.600 (D), you can mark preassembled or continuous adhesive labels, insert labels, shrink sleeves, and marking sleeves quickly, easily, and cost-effectively with a print resolution of 300 or 600 dpi.

The THERMOMARK E.300 (D) / E.600 (D) can process larger material rolls than the THERMOMARK ROLL 2.0. It is therefore suitable for the production of large print volumes and for long-term industrial use.



The clipx WIRE assist worker assistance system enables efficient wire processing. Combine the software-supported system with your printing systems for easy and ergonomic wire preparation.

Information about the THERMOMARK E.300 (D) / E.600 (D)

Thermal transfer printer for large print volumes

Benefit from the flexibility of the THERMOMARK E.300 (D) / E.600 (D) and use the printer to print all materials off the roll in the MARKING system portfolio for professional and durable wire and cable identification, equipment and plant identification, and terminal identification. In addition to prepunched label formats, the printer also processes shrink sleeves and marking sleeves as well as label material in continuous format. To do this, simply combine the printer with the THERMOMARK E.CUTTER or E.CUTTER/P for the convenient cutting or perforation of materials in continuous format.

Efficient printing and applying system

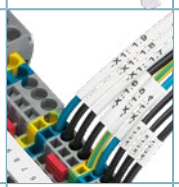
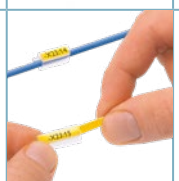
For maximum efficiency of the identification processes, combine the standard thermal transfer printer with a THERMOMARK E SERIES applicator. This will transform your printer into an efficient printing and applying system, enabling you to achieve an average time saving of 60% as the markers are printed and applied in just a single automated process step. With the THERMOMARK E.300 D, the THERMOMARK E.WRAP, E.WIRE, and E.SLEEVE applicators can be used for efficient wire and cable identification and the THERMOMARK E.VARIO can be used for efficient terminal identification.

More information starting on page 70

Your advantages

- ☑ Modular identification system that can be used as a standard printer for equipment identification as well as for automated identification
- ☑ Print resolution of 300 or 600 dpi for precise printing of small bar codes, symbols, and Asian characters
- ☑ Suitable for large print volumes and long-term use in production, as large rolls can also be processed
- ☑ All status and error messages are provided in real time and bidirectionally to the marking software with OPC UA when operating the printer via the Ethernet interface
- ☑ Low-maintenance operation with proven thermal transfer printing technology

Possible applications of the THERMOMARK E.300 (D) / E.600

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Terminal identification			
TMT…		Perforated terminal markers made of polyester in roll format for latching into a flat marking groove	93
Wire and cable identification			
WML		Durable, self-adhesive wrap-around labels made of PVC (polyvinyl chloride) with a transparent protective foil in roll format for marking wires and cables in indoor and outdoor installations	107
WML HF		Halogen-free, durable, and self-adhesive wrap-around labels made of PE (polyethylene) with a transparent protective foil in roll format for marking wires and cables	107
WML-FLAG		Self-adhesive labels suitable for double-sided printing made of polyolefin with cable marking flags in roll format for marking wires and cables	107
WMS WMS-2 HF		Halogen-free WMS marking sleeve made of polyolefin in ladder and continuous format for sliding onto wires and cables in accordance with UL 224 and CSA 22.2 with a shrink ratio of 3:1 Halogen-free WMS-2 HF marking sleeve made of polyolefin in ladder and continuous format for sliding onto wires and cables in accordance with EN 45545-2 for the railway industry with a shrink ratio of 2:1	110
WMTB HF WMTB HF-HP		Halogen-free WMTB HF cable markers made of PUR (polyurethane) in roll format for marking and bundling wires and cables by means of assembly with cable ties Halogen-free WMTB HF-HP cable markers made of polyolefin in roll format for marking and bundling wires and cables by means of assembly with cable ties in accordance with EN 45545-2 for the railway industry	109
WMT…		Prepunched cable markers made of PVC (polyvinyl chloride) in roll format for threading onto wires and cables	108
WMTS		Prepunched cable markers made of PET (polyethylene terephthalate) in roll format for insertion into marking sleeves from the PATG / PATO… system, easy to install with threading and insertion aid	108
EMT		Prepunched insert labels made of polyester in roll format for KMK… marker carriers	108

(D) thermal transfer printer

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Equipment identification			
EML		Self-adhesive, prepunched labels made of polyester in roll format for equipment marking	125
EML-HA		Self-adhesive, prepunched labels made of polyester in roll format for equipment marking of components with rough, textured, and low-energy surfaces	126
EML-LPR		Self-adhesive labels made of polyester with transparent protective laminate in roll format for equipment marking of components with rough, textured, and low-energy surfaces	125
EML-LPR-D		Detectable, self-adhesive labels made of polyester with transparent protective laminate in roll format for equipment marking of components with rough, textured, and low-energy surfaces	125
EML-D		Detectable, self-adhesive, and prepunched labels made of polyester with high adhesive strength in roll format for equipment marking	125
EML-LT		Self-adhesive, prepunched labels made of polyester in roll format for equipment marking of components in refrigerated and frozen environments	126
EMLP		Self-adhesive, prepunched labels made of polyester in roll format for the identification of electrical components, equipment, and buttons	127
EMLS		Self-adhesive safety labels made of polyester with special adhesive in roll format for equipment marking, can be used as a rating plate or seal label	126
Plant identification			
PML-W		Self-adhesive warning labels made of PVC (polyvinyl chloride) in roll format in accordance with ISO 7010	140
PML-M		Self-adhesive mandatory signs made of PVC (polyvinyl chloride) in roll format in accordance with ISO 7010	141
PML-P		Self-adhesive prohibition signs made of PVC (polyvinyl chloride) in roll format in accordance with ISO 7010	141

THERMOMARK E.300 (D) / E.600 (D)

THERMOMARK E.300 (D) / E.600 (D) thermal transfer printer

				
Type Item no.	THERMOMARK E.300 1285306	THERMOMARK E.600 1285310	THERMOMARK E.300 D 1004303	THERMOMARK E.600 D 1004304
Description	Thermal transfer printer for printing all materials in roll format with a print resolution of 300 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.	Thermal transfer printer for printing all materials in roll format with a print resolution of 600 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.	Thermal transfer printer with internal rewinder for printing all materials in roll format with a print resolution of 300 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.	Thermal transfer printer with internal rewinder for printing all materials in roll format with a print resolution of 600 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.
Interfaces	10/100 Mbps Ethernet, USB 2.0, RS-232	10/100 Mbps Ethernet, USB 2.0, RS-232	10/100 Mbps Ethernet, USB 2.0, RS-232	10/100 Mbps Ethernet, USB 2.0, RS-232
Ambient temperature	5°C … 40°C	5°C … 40°C	5°C … 40°C	5°C … 40°C
Print resolution	300 dpi	600 dpi	300 dpi	600 dpi
Weight	10 kg	10 kg	10 kg	10 kg

Country-specific versions

US version		AR version		CN version		KIT version	
							
Type	**Item no.**	**Type**	**Item no.**	**Type**	**Item no.**	**Type**	**Item no.**
THERMOMARK E.300 US	1287021	THERMOMARK E.300 AR	1287022	THERMOMARK E.300 CN	1287020	THERMOMARK E.300 KIT	1287026
THERMOMARK E.600 US	1287029	THERMOMARK E.600 AR	1287030	THERMOMARK E.600 CN	1287028	THERMOMARK E.600 KIT	1287031
THERMOMARK E.300 D US	1287033	THERMOMARK E.300 D AR	1287034	THERMOMARK E.300 D CN	1287032	THERMOMARK E.300 D KIT	1287038
THERMOMARK E.600 D US	1287040	THERMOMARK E.600 D AR	1287041	THERMOMARK E.600 D CN	1287039	THERMOMARK E.600 D KIT	1287042

The devices with the abbreviations US, AR, and CN have country-specific power supply units:
Standard – plug type F: Germany
US – plug type B: USA and Canada
CN – plug type I: China
AR – plug type I[®]: Argentina
KIT – no power cable included in the scope of supply

Accessories for THERMOMARK E.300 (D) / E.600 (D) printers

Accessories: Ink ribbons

Type	THERMOMARK-RIBBON 110
Item no.	5145384

Ink ribbon, for roll printers for printing product groups TML…, WML…, WML HF…, WML-FLAG…, EML…, EML-ESD…, EML-RM…, EML-HA…, EMLS…, EMLC…, EMLP…, and PMM…, length: 300 m, roll length: 300 m, width: 110 mm, color: black

Type	TM-RIBBON 110 WH 100
Item no.	0804661

Ink ribbon, for THERMOMARK roll printers and THERMOMARK CARD for printing material-off-the-roll product groups: EML …, EMLP …, EMLF …, PML-M …, WMTB HF-HP…, WMS-2 HF … RD and US material product groups: US-EML(S)P …, US-EMLP-HA …, US-EM(S)P …, US-WMT …, US-WMTB …, US-PML-M …, US-EMLF …, length: 60 m, roll length: 60 m, width: 110 mm, color: white

Type	THERMOMARK-RIBBON 110-WMTB HF
Item no.	5148007

Ink ribbon, for roll printers for printing product groups WMTB HF…, WMS-2 HF…, TMT…, EMT…, EMLF…, PML-…, length: 300 m, roll length: 300 m, width: 110 mm, color: black

Type	THERMOMARK-RIBBON 110-WMSU
Item no.	0801358

Ink ribbon, for roll printers for printing product groups WMS…, WMS-2 HF…, and WMTB HF-HP, length: 300 m, roll length: 300 m, width: 110 mm, color: black

Type	THERMOMARK-RIBBON 64-WMSU WH
Item no.	0801361

Ink ribbon, for roll printers for printing product group WMS… (black), length: 300 m, roll length: 300 m, width: 64 mm, color: white

Type	TM-RIBBON 25 BK 102
Item no.	1053499

Ink ribbon, for printing WMS-OT/WMS-2 HF… materials, length: 300 m, roll length: 300 m, width: 25 mm, color: black

Accessories: Pressure rollers

Type	TRM-PRESSURE ROLLER STANDARD
Item no.	0804655

Standard pressure roller

Type	TRM-PRESSURE ROLLER 4-50
Item no.	0804656

Pressure roller for continuous shrink sleeve

For more ink ribbons, visit our e-shop

Accessories: Cutting unit

Type	THERMOMARK E.CUTTER
Item no.	1234241

Cutter for marking materials in continuous format for cutting custom lengths

Type	THERMOMARK E.CUTTER/P
Item no.	1201336

Perforation cutter for all shrink sleeve and marking sleeve versions in continuous format for cutting custom lengths

Accessories: Standard printer

Type	TM E.300/E.600-TEAR OFF PLATE
Item no.	1263118

Tear-off plate for all roll printers in the THERMOMARK E SERIES

Type	TM E.300/E.600-FRONT COVER
Item no.	1285305

Front panel for all roll printers in the THERMOMARK E SERIES

Accessories: Transportation

Type	THERMOMARK ROLLMASTER-CASE
Item no.	0804643

Transport case for THERMOMARK ROLLMASTER and THERMOMARK E SERIES printers

Accessories: External media hubs

Type	THERMOMARK ROLL-ERH
Item no.	5146448

External media hub, for THERMOMARK ROLL, for outside roll diameter of 150 to 400 mm

Type	THERMOMARK-ERH 500
Item no.	5146309

External media hub, for THERMOMARK ROLL, for outside roll diameter of up to 500 mm

Mobile printers

In addition to marking systems for stationary identification, the MARKING system also offers thermal transfer printers for mobile use directly on site in the application environment. With the integrated marking software and a high-performance battery, the THERMOMARK PRIME is suitable for stand-alone use. The THERMOMARK GO SERIES mobile printers are flexible, compact companions for maintenance and repair work.

THERMOMARK PRIME

The THERMOMARK PRIME mobile printer is not only suitable for desk-based use, it can also be used to mark materials in card and sheet form directly in the application environment.

More information starting on page 44

THERMOMARK GO

With the THERMOMARK GO mobile label printer and MARKING system app, you can create markings directly on site. The device processes continuous media as well as prepunched marking materials in convenient cartridge format.

More information starting on page 50

THERMOMARK GO.K

The practical handheld thermal transfer printer is ideal for fast identification on site. Use the integrated keypad to mark shrink sleeves and marking sleeves, labels, and non-adhesive materials in convenient cartridge format.

More information starting on page 56

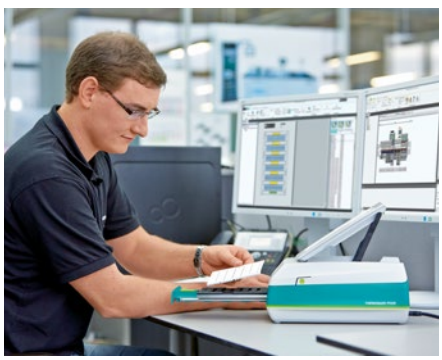
THERMOMARK PRIME

Mobile thermal transfer printer

The THERMOMARK PRIME offers an unrivaled combination of proven thermal transfer printing technology, integrated marking software, and an independent power supply. The thermal transfer printer can be used wherever you need it – whether as a fixed desktop device or out and about in the field.

With the THERMOMARK PRIME, you can mark UniCard materials (UCT) made of sturdy polycarbonate as well as UniSheet materials (US) made of various plastics quickly, easily, and cost-effectively.

The THERMOMARK PRIME mobile thermal transfer printer allows you to create markings right where they will be used. It therefore saves you a great deal of time.



In stationary use, the THERMOMARK PRIME can be easily controlled and managed via the MARKING system software. The mobile printer has integrated software for identification on site.

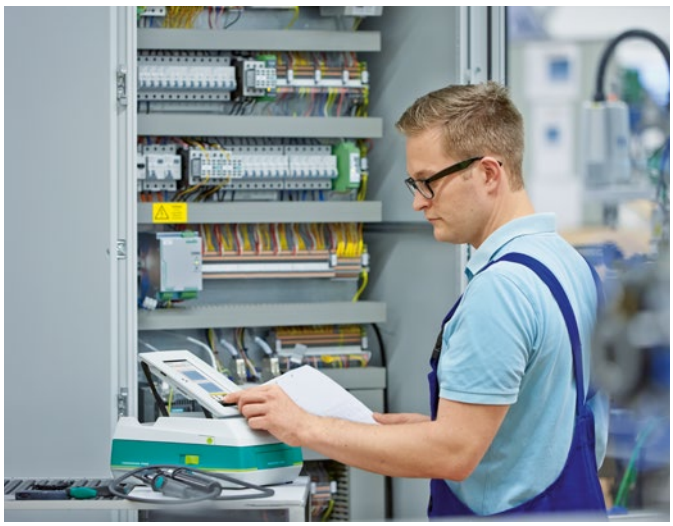
Information about the THERMOMARK PRIME

Flexible thermal transfer printer

The locations of use and requirements for industrial identification are as numerous as they are varied: from centrally organized industrial assembly to technical supply units. The THERMOMARK PRIME mobile thermal transfer printer covers this variety with its wide range of marking materials in both card and sheet format. With integrated software and a high-performance battery, it is also suitable for stand-alone use directly on site, in addition to desktop operation.

Printing directly in the application environment

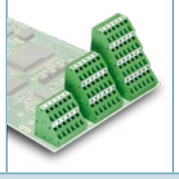
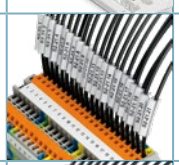
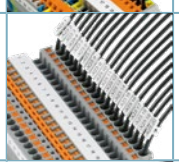
The THERMOMARK PRIME allows you to create markings for terminal, wire and cable, equipment, and plant identification right where they will be used. With the integrated marking software and multi-touch display with stand, operation is super easy. In addition to the intuitive user interface, the printer features replaceable, rechargeable high-performance batteries, making it ideal for mobile use.



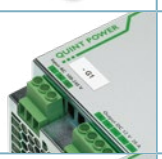
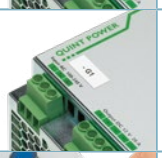
Your advantages

- ☑ Versatile stand-alone printing system: can be used wherever you need it
- ☑ Intuitive data entry with the touch screen and fully integrated marking software
- ☑ Material and ink ribbon can be changed easily
- ☑ Versatile use: extensive material portfolio consisting of countless products for the identification of a wide range of applications
- ☑ Easy energy management with replaceable high-performance battery
- ☑ Automatic ink ribbon, magazine, and material detection prevents printing errors

Possible applications of the THERMOMARK PRIME thermal transfer printer

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Terminal identification			
UCT-TM		Markers made of PC (polycarbonate) in sheet format for latching into terminal blocks with tall marking groove, can be marked with thermal transfer, UV LED, and laser technology	91
UCT-TMF		Markers made of PC (polycarbonate) in sheet format for latching into terminal blocks with flat marking groove, can be marked with thermal transfer, UV LED, and laser technology	91
US-TML		Self-adhesive marker strips made of polyester in card format for marking terminal blocks without marking groove	92
Wire and cable identification			
UCT-WMTBA		Angled cable markers made of PC (polycarbonate) in sheet format for marking and bundling wires and cables by means of assembly with cable ties	105
UCT-WMCO		Wire markers made of PC (polycarbonate) in sheet format for subsequent marking by simply clipping onto wires and cables	104
UCT-WMT		Cable markers made of PC (polycarbonate) in sheet format for insertion into marking sleeves from the PATG (HF)/PATO… system	104
UCT-WMS		Wire markers made of PC (polycarbonate) in sheet format for sliding onto wires and cables	106
US-WML		Durable, self-adhesive wrap-around labels made of PVC (polyvinyl chloride) with a transparent protective foil in card format for marking wires and cables in indoor and outdoor installations	106
US-WMTB		Cable markers made of PVC (polyvinyl chloride) in card format for marking and bundling wires and cables by means of assembly with cable ties	106
US-WMT		Prepunched cable markers made of PVC (polyvinyl chloride) in card format for insertion on wires and cables with marking sleeves from the PATG/PATO… system	106

Possible applications

Product group	Feature image	Description	Page
Equipment identification			
UCT-EM		Snap-in markers made of PC (polycarbonate) in sheet format for latching into a marking groove	123
US-EML		Self-adhesive, prepunched labels made of polyester in card format for the identification of components and equipment	123
US-EMLF		Self-adhesive, prepunched, and highly flexible labels made of PVC (polyvinyl chloride) in card format for equipment marking in indoor and outdoor installations	123
US-EMT		Prepunched snap-in markers made of polyester in card format for the identification of Siemens S7-300 controllers	124
US-EMLP		Self-adhesive device markers made of PVC (polyvinyl chloride) in card format for the identification of components and equipment	124
US-EMLP-HA		Self-adhesive labels made of PVC (polyvinyl chloride) with high adhesive strength in card format for equipment marking of components with rough, textured, and low-energy surfaces	124
US-EMP		Snap-in markers made of PVC (polyvinyl chloride) in card format for latching into existing CARRIER-EMP… marker carriers	124
US-EMSP		Individual markers in card format made of PVC (polyvinyl chloride) for screwing or riveting for equipment marking	124
Plant identification			
US-PML-ESS		Self-adhesive labels made of PVC (polyvinyl chloride) in card format for the identification of emergency stop buttons	144
US-PML-P		Self-adhesive prohibition signs made of PVC (polyvinyl chloride) in card format in accordance with ISO 7010	144
US-PML-W		Self-adhesive warning labels made of PVC (polyvinyl chloride) in card format in accordance with ISO 7010	143

THERMOMARK PRIME

THERMOMARK PRIME thermal transfer printer

Type	Item no.		
THERMOMARK PRIME		5148888	
Description		Mobile thermal transfer printer for card materials, incl. power supply unit, Euro/US power cable, and USB cable. User manual printed in German and English. Magazine for UCT-TM… sheets and magazine for US-… cards. One packing unit each UCT-TM 6, US-EMLP (85,6x54), ink ribbon cartridge = 70 m	
Interfaces		10/100 Mbps Ethernet, USB 2.0	
Ambient temperature		5°C … 35°C	
Print resolution		300 dpi	
Weight		6 kg	

Accessories for the THERMOMARK PRIME

Accessories: Magazines

Type	TMP-UCT-MAG1
Item no.	0803342
Magazine, for THERMOMARK PRIME and THERMOMARK CARD, for holding UCT-TM…, UCT1(U)-TM…, UCT5-TM…, UCT-EM (5x10), UCT-EM (6x10)	

Type	TMP-US-MAG1
Item no.	0803341
Magazine, for THERMOMARK CARD and THERMOMARK PRIME, for holding US cards	

Type	TMP-UM-MAG1
Item no.	0831200
Magazine for THERMOMARK CARD and THERMOMARK PRIME, for holding UM material (UM1-TM and UM5-TM)	

Accessories: Ink ribbons

Type	TMP-RIBBON 110 WH 100
Item no.	0803376
Ink ribbon cartridge, for THERMOMARK PRIME for printing product groups US(2)-TM(F)…, US-TM(F) L…, US-WMT(B)…, US-EML(F)…, US-EML(S) P…, US-EMLP-HA…, US-EM(S)P…, US-EML-RS…, US-PML…, roll length: 60 m, width: 110 mm, color: white	

Type	TMP-RIBBON 110 BK 100
Item no.	0803374
Ink ribbon cartridge, for THERMOMARK PRIME for printing product groups UCT…, US…, and UM…, roll length: 70 m, width: 110 mm, color: black	

Type	TMP-RIBBON 110 BK 101
Item no.	0803714
Ink ribbon cartridge, for THERMOMARK PRIME for printing product groups US(2)-TM(F)…, US-TM(F) L…, US-WMTB…, US-EML…, US-EML(S)P…, US-EMLP-HA…, US-EM(S)P…, US-EML-RS…, roll length: 60 m, width: 110 mm, color: black	

Accessories: Cleaning

Type	CLEANING STICK
Item no.	5146697
Cleaning stick for fast and efficient printhead cleaning of all Phoenix Contact thermal transfer printers.	

For more magazines and ink ribbons, visit our e-shop

Accessories: Battery/charger

Type	TMP/CHARGER
Item no.	0803670
Charger for THERMOMARK PRIME battery (TMP/ACCU), with protection against polarity reversal and operating status indicator, operating voltage: 10.8 V to 24 V	

Type	TMP/EXT.POWER-SUPPLY 100-240V
Item no.	0803672
Replacement power supply unit for THERMOMARK PRIME, input voltage from 100 V AC … 240 V AC/1.5 A/50 Hz … 60 Hz, output voltage: 24 V DC/4.16 A	

Type	TMP/CHARGER CABLE VEHICLE 12V
Item no.	0803671
Passenger vehicle cable for charger (TMP/CHARGER), the power supply for the charger comes directly from a 12 V car cigarette lighter (input voltage: 11 V to 14 V), length: 1.5 m	

Type	TMP/ACCU
Item no.	0803668
Replacement battery for THERMOMARK PRIME, NiMH 18 V DC, 2.1 Ah	

Type	TMP/ACCU COVER
Item no.	0803669
The battery compartment cover provides protection against dust and dirt deposits when starting up the THERMOMARK PRIME without the battery using the mains connection	

Accessories: Transportation

Type	TMP CASE
Item no.	0803675
Transport case for THERMOMARK PRIME including accessories, marking materials, and consumables. Rounded profile case with aluminum frame, unequipped	

Type	MOBILE BACKPACK
Item no.	0803717
Transport backpack for THERMOMARK PRIME including accessories, marking materials, and consumables, unequipped	

Type	TMP BAG
Item no.	0803674
Transport bag for THERMOMARK PRIME including accessories, marking materials, and consumables, unequipped	

THERMOMARK GO

THERMOMARK GO mobile printer

Create your labels easily and wherever you need them: Control the THERMOMARK GO mobile label printer entirely from your smart device via the MARKING system app, and create markings directly in the industrial environment with full flexibility.

The material in practical cartridge format combines an ink ribbon and material for fast changeovers and flexible use on site.

The MARKING system app features a mobile interface for the smart selection and creation of marking files. It provides you with functions that are specifically optimized for mobile use.

Everything with you on the go and always to hand: whether it's in the practical shoulder bag or in the proven L-BOXX system – various accessories allow the printer to be transported safely and conveniently.

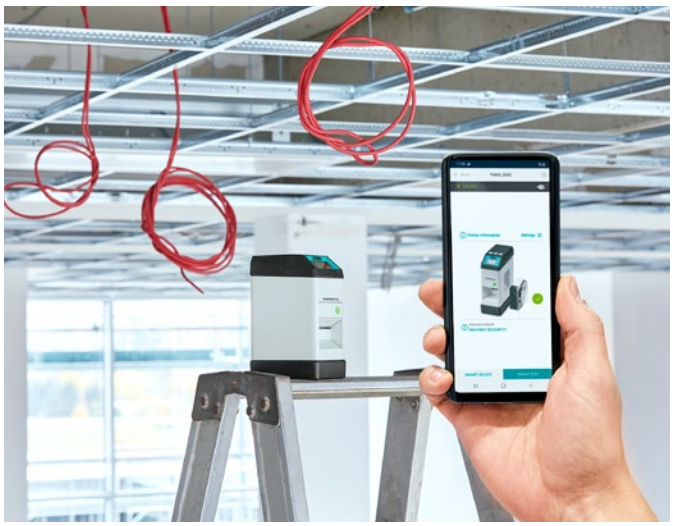
Information about the THERMOMARK GO

Mobile thermal transfer printer

With modern interfaces, a host of applications, and automatic material detection, the THERMOMARK GO creates high-quality marking solutions. In addition to continuous materials, it also processes practical prepunched marking materials for terminal, wire and cable, equipment, and plant identification. Along with the MARKING system app, the printer can also be controlled via the marking software. With its compact dimensions and robust design, the THERMOMARK GO is ideal for mobile use in industrial environments.

Professional marking on site

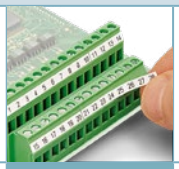
Use the MARKING system app to control the THERMOMARK GO easily from your iOS or Android device. Connect your smart device to the label printer via Bluetooth or alternatively use the NFC interface to directly and conveniently start the app. The MARKING system app guides you through the entire printing process. It helps you create and print the perfect marking solution right where the marking is needed.



Your advantages

- ☑ Identification on site: the printer can be controlled entirely from your smartphone or tablet
- ☑ Modern interfaces: connect to your smart device wirelessly via Bluetooth and simply start the MARKING system app via NFC
- ☑ Maximum scope of application: a wide range of applications in addition to prepunched labels for greater flexibility and even easier identification
- ☑ User-friendly operation with context-based menu navigation of the MARKING system app and Application Wizards for easily creating application-specific marking solutions
- ☑ Alternative control via the MARKING system desktop software

Possible applications of the THERMOMARK GO thermal transfer printer

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Terminal identification			
MM-TML		Self-adhesive marker strips made of polyester in cartridge format for marking terminal blocks without marking groove	94
MM-TMT		Labels in cartridge format made of polyester for latching into terminal blocks with tall and flat marking groove/universal marker groove	94
Wire and cable identification			
MM-WML		Durable, self-adhesive wrap-around label made of vinyl polymer with a transparent protective foil in cartridge format for marking wires and cables	111
MM-WML-FLAG		Self-adhesive label suitable for double-sided printing with cable marking flags made of polyolefin in cartridge format for marking wires and cables	111
MM-WMS		Halogen-free marking sleeve made of polyolefin in cartridge format for sliding onto wires and cables in accordance with UL 224 and CSA 22.2 with a shrink ratio of 3:1	111
MM-WMS-2		Halogen-free marking sleeve made of polyolefin in cartridge format for sliding onto wires and cables in accordance with UL 224, CSA 22.2, and EN 45545-2 with a shrink ratio of 2:1	111
MM-WMTB HF		Halogen-free cable marker made of PUR (polyurethane) in cartridge format for marking and bundling wires and cables by means of assembly with cable ties	112
MM-WMTB		Cable marker made of polyester in cartridge format for marking and bundling wires and cables by means of assembly with cable ties	112
MM-WMT		Prepunched cable marker made of polyester in cartridge format for threading onto wires and cables	112
MM-EMT		Prepunched insert label made of polyester in cartridge format for KMK… marker carriers	131

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Equipment identification			
MM-EML		Self-adhesive labels made of polyester in cartridge format for equipment marking (prepunched labels and labels in continuous format)	131
MM-EMLF		Self-adhesive, highly flexible labels made of vinyl polymer in cartridge format for equipment marking	131
MM-EMLC		Self-adhesive, highly flexible labels made of fabric film (polyamide) in cartridge format for equipment marking	131
Equipment identification			
MM-EML		Self-adhesive labels made of polyester in cartridge format for creating inspection labels using templates in the MARKING system app	142

THERMOMARK GO

THERMOMARK GO thermal transfer printer

Type	Item no.	THERMOMARK GO	1090747	THERMOMARK GO SET	1221548
Description		Mobile thermal transfer printer for marking materials in cartridge format incl. accessories. The printer can print prepunched labels as well as materials in continuous format up to a material width of 24 mm.		Mobile thermal transfer printer for marking materials in cartridge format incl. accessories in a practical case from the proven L-BOXX system. The printer can print prepunched labels as well as materials in continuous format up to a material width of 24 mm.	
Interfaces		USB, Bluetooth		USB, Bluetooth	
Ambient temperature		5°C … 40°C		5°C … 40°C	
Print resolution		203 dpi		203 dpi	
Weight		743 g		3411 g	

Accessories for the THERMOMARK GO

Accessories: Transportation

Type	THERMOMARK GO CASE
Item no.	1229456

Practical and robust case for storing the THERMOMARK GO and THERMOMARK GO.K mobile printers as well as accessories. The case offers space for 9 material cartridges and maximum flexibility for all transport situations with the proven L-BOXX system.

Type	THERMOMARK GO BAG
Item no.	1229457

Flexible shoulder bag and belt pouch for the THERMOMARK GO mobile printer. Additional pockets provide space for a smartphone and materials.

Accessories: Battery/charger

Type	THERMOMARK GO ACCU
Item no.	0805009

Battery for mobile operation of the THERMOMARK GO and THERMOMARK GO.K/THERMOFOX printers.

Type	THERMOMARK GO CHARGER
Item no.	0805012

Charging dock for charging the THERMOMARK GO ACCU battery (0805009), which is required for mobile operation of the THERMOMARK GO and THERMOMARK GO.K/THERMOFOX printers.

Type	THERMOFOX/ADAPTER
Item no.	0805010

Power supply unit incl. 4 adapters for operating the THERMOMARK GO and THERMOMARK GO.K/THERMOFOX printers.

THERMOMARK GO.K

THERMOMARK GO.K handheld printer

The THERMOMARK GO.K handheld printer is ideal for fast identification on site. It is robust, easy to use, and offers versatile functions. The thermal transfer printer processes continuous media for terminal, wire and cable, equipment, and plant marking.

Easy operation via the practical keypad: the THERMOMARK GO.K input field prioritizes frequently used characters and offers a large selection of special characters as well as eight bar code types.

The material in practical cartridge format combines an ink ribbon and material for fast changeovers and flexible use on site in your application.

Everything with you on the go and always to hand: whether it's in the shoulder bag, on the practical belt clip, or in the L-BOXX system – various accessories allow the printer to be transported safely and conveniently.

Information about the THERMOMARK GO.K

Handheld thermal transfer printer

The identification of equipment and systems frequently has to be done spontaneously without prior planning during service and maintenance. An especially flexible and mobile solution for creating markings is required during maintenance repair overhauls (MRO). This is where the THERMOMARK GO.K comes in. The practical handheld thermal transfer printer with integrated keypad processes shrink sleeves, labels, and non-adhesive materials in continuous format.

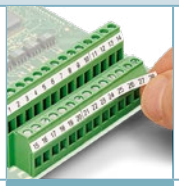
Easy handling, full flexibility

Always there when you need it. The THERMOMARK GO.K handheld printer is ideal for fast identification on site. It is characterized by its easy handling and robust design. You can enter the print data intuitively via the keypad, and there is also a wide range of special characters, symbols, and bar code types available. Automatic material recognition helps ensure that markers are formatted to fit and can be cut to a custom size using the cutter. You can also save up to 20 marking projects on the device.

Your advantages

- ☑ Processing of shrink sleeves, labels, and non-adhesive materials
- ☑ Intelligent keypad allows special characters, symbols, bar codes, and serial numbers to be integrated
- ☑ Optimum print settings with automatic material detection
- ☑ Easy exchange of marking data via connection to the marking software
- ☑ Quick and easy material changeover with the combined material and ink ribbon cartridge

Possible applications of the THERMOMARK GO.K thermal transfer printer

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Terminal identification			
MM-TML		Self-adhesive marker strips made of polyester in cartridge format for marking terminal blocks without marking groove	94
MM-TMT		Labels in cartridge format made of polyester for latching into terminal blocks with tall and flat marking groove/universal marker groove	94
Wire and cable identification			
MM-WML		Durable, self-adhesive wrap-around label made of vinyl polymer with a transparent protective foil in cartridge format for marking wires and cables	111
MM-WMS		Halogen-free marking sleeve made of polyolefin in cartridge format for sliding onto wires and cables in accordance with UL 224 and CSA 22.2 with a shrink ratio of 3:1	111
MM-WMS-2		Halogen-free marking sleeve made of polyolefin in cartridge format for sliding onto wires and cables in accordance with UL 224, CSA 22.2, and EN 45545-2 with a shrink ratio of 2:1	111
MM-EMT		Prepunched insert label made of polyester in cartridge format for KMK… marker carriers	131

Possible applications			
Product group	**Feature image**	**Description**	**Page**
Equipment identification			
MM-EML		Self-adhesive labels made of polyester in cartridge format for equipment marking (prepunched labels and labels in continuous format)	131
MM-EMLF		Self-adhesive, highly flexible labels made of vinyl polymer in cartridge format for equipment marking	131
MM-EMLC		Self-adhesive, highly flexible labels made of fabric film (polyamide) in cartridge format for equipment marking	131

THERMOMARK GO.K

THERMOMARK GO.K thermal transfer printer

Type	Item no.	THERMOMARK GO.K	1184146	THERMOMARK GO.K SET	1184148
Description		Mobile thermal transfer printer for marking materials in cartridge format. The printer can print materials in continuous format up to a material width of 24 mm.		Mobile thermal transfer printer for marking materials in cartridge format incl. accessories in a practical case from the proven L-BOXX system. The printer can print materials in continuous format up to a material width of 24 mm.	
Interfaces		USB		USB	
Ambient temperature		5°C … 40°C		5°C … 40°C	
Print resolution		203 dpi		203 dpi	
Weight		667 g		3390 g	

Accessories for the THERMOMARK GO.K

Accessories: Transportation

Type	THERMOMARK GO.K BAG
Item no.	0805003

Shoulder bag for storing the THERMOMARK GO.K / THERMOFOX mobile printer as well as necessary accessories

Type	THERMOMARK GO CASE
Item no.	1229456

Practical and robust case for storing the THERMOMARK GO and THERMOMARK GO.K mobile printers as well as accessories. The case offers space for 9 material cartridges and maximum flexibility for all transport situations with the proven L-BOXX system.

Type	THERMOMARK GO.K MAGNET HOLDER
Item no.	0805008

Magnetic holder for mounting the THERMOMARK GO.K / THERMOFOX mobile printer on metal surfaces, such as a control cabinet.

Type	THERMOMARK GO.K BELT CLIP
Item no.	0805004

Clip for fastening the THERMOMARK GO.K / THERMOFOX mobile printer to a belt.

Accessories: Battery / charger

Type	THERMOMARK GO ACCU
Item no.	0805009

Battery for mobile operation of the THERMOMARK GO and THERMOMARK GO.K / THERMOFOX printers.

Type	THERMOMARK GO CHARGER
Item no.	0805012

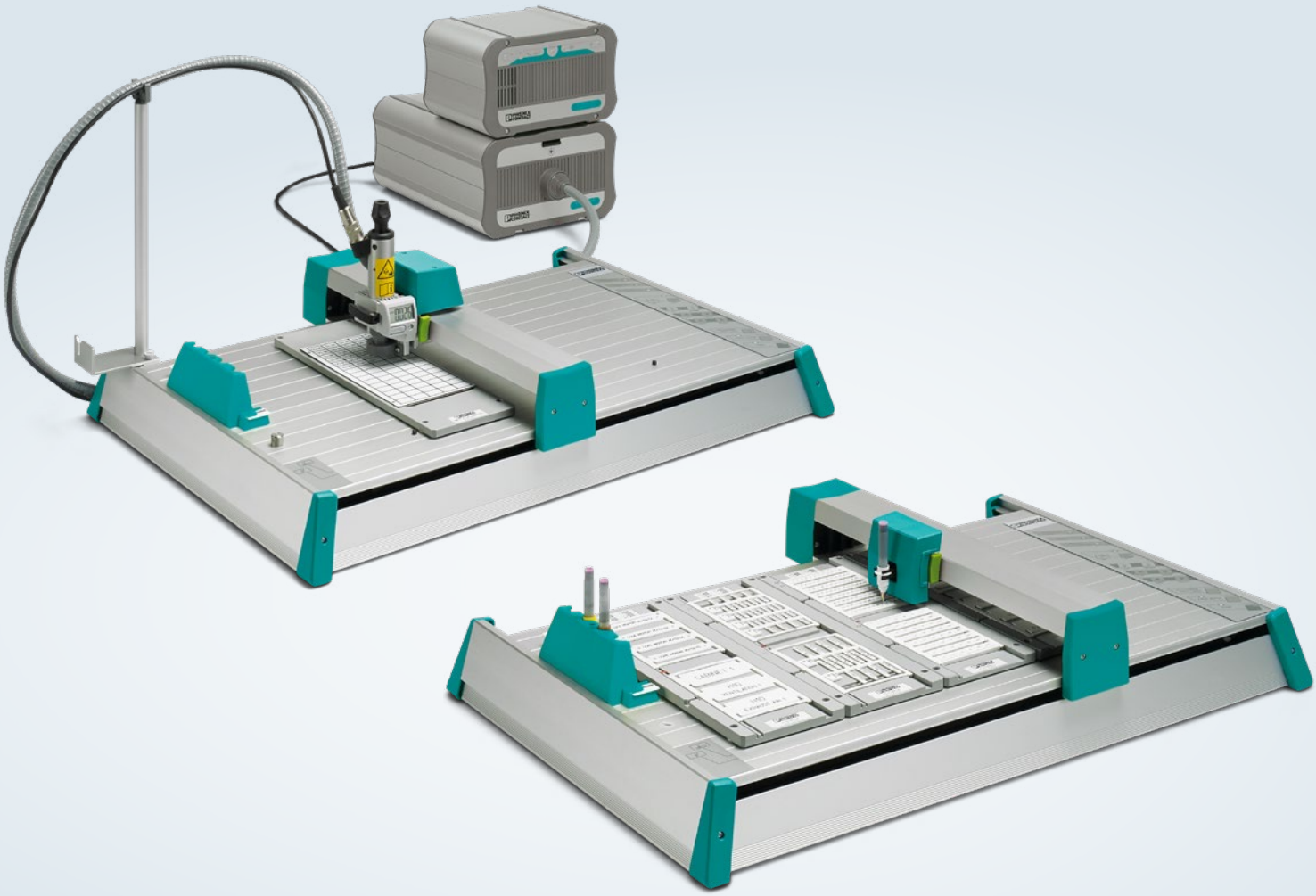
Charging dock for charging the THERMOMARK GO ACCU battery (0805009), which is required for mobile operation of the THERMOMARK GO and THERMOMARK GO.K / THERMOFOX printers.

Type	THERMOFOX/ADAPTER
Item no.	0805010

Power supply unit incl. 4 adapters for operating the THERMOMARK GO and THERMOMARK GO.K / THERMOFOX printers.

Marking plotter and engraving unit

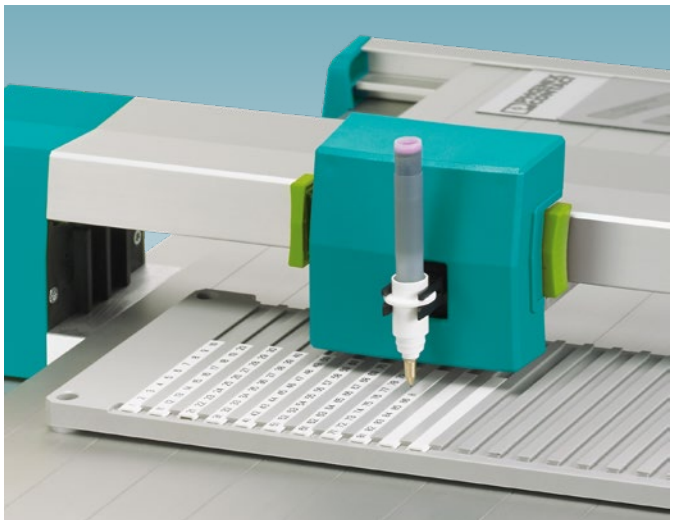
Use the plotter to mark a variety of plastic materials for professional identification. By simply swapping the standard plotter head with the engraving unit, you can convert the plotter into an engraving system. Markings created with this system are very durable even under extreme conditions.



Information about the PLOTMARK and the ENGRAVING UNIT

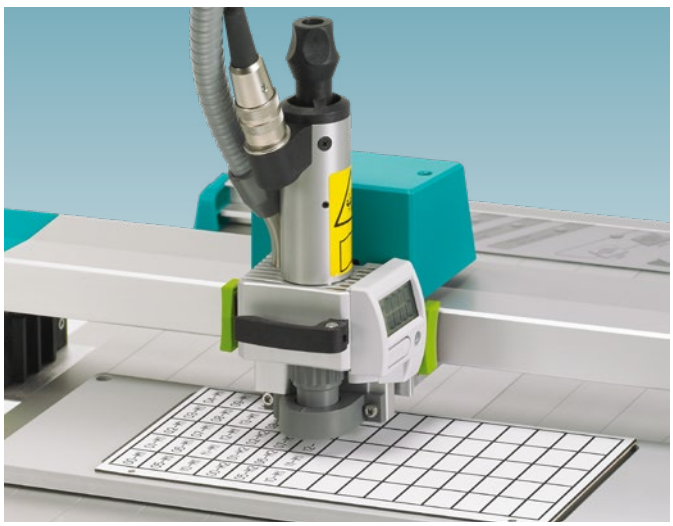
PLOTMARK marking plotter

The PLOTMARK enables you to produce durable markings. To do this, materials are placed in robust plastic magazines and optimally marked with the aid of an automatic marking preparation function. The plotter pens produce smudge-proof and high-quality marking results.



ENGRAVING UNIT

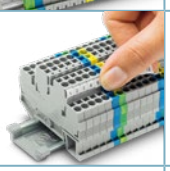
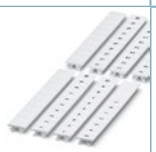
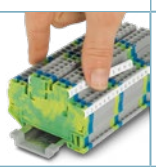
The PLOTMARK can be converted into an engraving unit quickly and easily by swapping the plotter head for the engraving device. Engraving chisels are available with diameters ranging from 0.2 to 1.0 mm for creating different line thicknesses. You can thus create durable plastic labels for equipment and plant identification.



Your advantages

- ☑ The automatic marking preparation function ensures optimum marking results even after downtime
- ☑ Comprehensive product portfolio for terminal, wire and cable, equipment, and plant identification
- ☑ Quick and easy connection to PC via USB interface
- ☑ The device is controlled via the MARKING system software

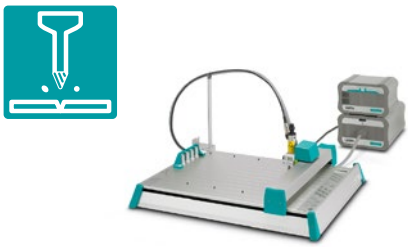
Possible applications for the PLOTMARK and the ENGRAVING UNIT

Possible applications				
Product group	**Feature image**	**Can be marked using**	**Description**	**Page**
Terminal identification				
UC-TM		PLOTMARK	Markers made of PA (polyamide) in sheet format for latching into terminal blocks with tall marking groove	90
UC-TMF		PLOTMARK	Markers made of PA (polyamide) in sheet format for latching into terminal blocks with flat marking groove	90
UC-TMN		PLOTMARK	Markers made of PA (polyamide) in sheet format for insertion into terminal blocks with marking stud holder and tall marker grooves	90
ZB		PLOTMARK	Zack marker strips made of PA (polyamide) for latching into terminal blocks with flat marking grooves	95
ZBF		PLOTMARK	Zack marker strips made of PA (polyamide) for latching into terminal blocks with tall marking grooves	95
SK		PLOTMARK	Self-adhesive marker strips made of polyester in card format for terminal blocks without marker groove	94
Wire and cable identification				
UC-WMT		PLOTMARK	Cable markers made of PA (polyamide) in sheet format for insertion on wires and cables with marking sleeves from the PATG (HF)/PATO… system	104
UC-WMC		PLOTMARK	Markers made of PA (polyamide) in sheet format for clipping onto wires and cables, even after wiring has already been completed	104
PABA		PLOTMARK	Cable markers in strip format for insertion on wires and cables with marking sleeves from the PATG (HF)/PATO… system	E-shop
PABL		PLOTMARK	Prepunched insert strips in DIN A4 sheet format for insertion into marking sleeves from the PATG (HF)/PATO… system	113

Possible applications

Product group	Feature image	Can be marked using Plotter	Description	Page
Wire and cable identification				
UC-WMTBA		PLOTMARK	Angled cable marker made of PA (polyamide) in sheet format for marking and bundling wires and cables by means of assembly with cable ties	105
UC-WMTB		PLOTMARK	Cable marker made of PA (polyamide) in sheet format for marking cables by means of assembly with cable ties	105
WML…A4		PLOTMARK	Durable, self-adhesive wrap-around label with a transparent protective foil in DIN A4 sheet format for marking wires and cables in indoor and outdoor installations	112
Equipment identification				
ESL		PLOTMARK	Plastic labels in DIN A4 sheet format for equipment and cable marking using marker carriers	94
GPE		PLOTMARK ENGRAVING UNIT	Self-adhesive plastic labels in sheet format for equipment marking	132
GPA/SK + GPK/SK		ENGRAVING UNIT	Self-adhesive engraving material made of plastic, which can be ordered in various color combinations	132
GPA/GPK		ENGRAVING UNIT	Engraving material made of plastic, which can be ordered in various color combinations	132
UC-EM		PLOTMARK	Snap-in markers made of PA (polyamide) in sheet format for latching into marker carriers for equipment marking	122
UC-EMP		PLOTMARK	Snap-in markers made of PA (polyamide) in sheet format for latching into existing CARRIER-EMP… label frames	122
UC-EMLP		PLOTMARK	Self-adhesive device markers made of PA (polyamide) in sheet format with high adhesive strength	122
BMKL		PLOTMARK	Self-adhesive labels in DIN A4 sheet format for equipment marking	E-shop

PLOTMARK and ENGRAVING UNIT

Plotter and engraving systems					
					
Type	Item no.	PLOTMARK	0804499	ENGRAVING UNIT	0804500
Description		Marking plotter for the entire portfolio of UC marking materials and materials in sheet and strip format.		Engraving unit in combination with PLOTMARK marking plotter for the entire portfolio of GPE, GPA, and GPK plastic materials.	
Interfaces		USB 2.0		USB 2.0	
Ambient temperature		10°C … 35°C		10°C … 35°C	
Print resolution		0.01 mm		0.01 mm	
Weight		8 kg		7.6 kg	

Accessories for the PLOTMARK and the ENGRAVING UNIT

Accessories: PLOTMARK

Type	CMS-P1-PREPLATES
Item no.	5145135

50 marking preparation plates for the pen station of the plotter systems

Type	CMS-P1-PENDEPOT
Item no.	5144835

4 replacement seals for the pen station of the plotter systems and 10 marking preparation plates

Accessories: Cleaning

Type	CMS-R-SET-TR
Item no.	5146751

Cleaning set, consisting of: 1x cleaning cup, 2x cleaning cartridges with 10 ml cleaning fluid each, and 2x replacement sealing caps for the CMS-PEN … and CMS-DISPOSABLE-PEN …

Type	CMS-R-FLUID-TR-C2
Item no.	5146752

Cleaning cartridges with replacement sealing caps, 2 cartridges with 10 ml cleaning fluid each and 2 caps for the CMS-PEN … and CMS-DISPOSABLE-PEN …

Type	CMS-R-FLUID-TR
Item no.	5146750

Cleaning fluid, 30 ml, for the CMS-PEN … and CMS-DISPOSABLE-PEN …

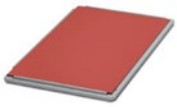
Accessories: Magazines

Type	P1 UC-MAG 1
Item no.	5146079

Magazine, for CMS-P1-PLOTTER and PLOTMARK, for holding UC-TM…, UC-TMN…, UC-WMC 3,1…, UC-WMTBA…

Type	CMS-P1-M/ZB
Item no.	5144699

Plastic magazines for CMS-P1-PLOTTER and PLOTMARK. For holding 22 zack marker strips.



Type	CMS-P1-PAD
Item no.	5144819

Plastic magazine for CMS-P1-PLOTTER and PLOTMARK, for holding sheet material, self-adhesive mat for fixing labels, films, and paper, sheet size max. DIN A4.

Accessories for the PLOTMARK and the ENGRAVING UNIT

Accessories: Marker pens

Type	CMS-INK-TR-C5
Item no.	5146684
Ink cartridge, special black ink, 5 cartridges of 1 ml each, for high demands	

Type	CMS-PEN 0,25
Item no.	5067815
Pen, incl. adapter, ink reservoir, and pen station, line thickness: 0.25 mm	

Type	CMS-PEN 0,35
Item no.	5067828
Pen, incl. adapter, ink reservoir, and pen station, line thickness: 0.35 mm	

Type	CMS-PEN 0,50
Item no.	5067831
Pen, incl. adapter, ink reservoir, and pen station, line thickness: 0.5 mm	

Type	P-PEN
Item no.	0815211
Disposable pen, non-refillable, for manual marking, can also be used for plotter marking in combination with the P-PEN ADAPTER, line thickness: 0.1 mm	

Type	CMS-DISPOSABLE-PEN 0,25 TR
Item no.	5146685
Disposable pen, incl. adapter, integrated ink cartridge, and pen station, line thickness: 0.25 mm	

Type	CMS-DISPOSABLE-PEN 0,35 TR
Item no.	5146686
Disposable pen, incl. adapter, integrated ink cartridge, and pen station, line thickness: 0.35 mm	

Accessories: ENGRAVING UNIT

Type	P1 ENGRAVING CONTROLLER
Item no.	5145698
Control unit for the ENGRAVING UNIT and P1 ENGRAVING UNIT engraving systems	

Type	P1 ENGRAVING VC
Item no.	5145708
Suction unit for the ENGRAVING UNIT and P1 ENGRAVING UNIT engraving systems	

Accessories: Engraving chisel

Type	P1 GRAVER SET
Item no.	5145533
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	

Type	P1 GRAVER 0.2
Item no.	5145478
Engraving chisel with a point angle of 15°, point diameter: 0.2 mm	

Type	P1 GRAVER 0.5
Item no.	5145504
Engraving chisel with a point angle of 15°, point diameter: 0.5 mm	

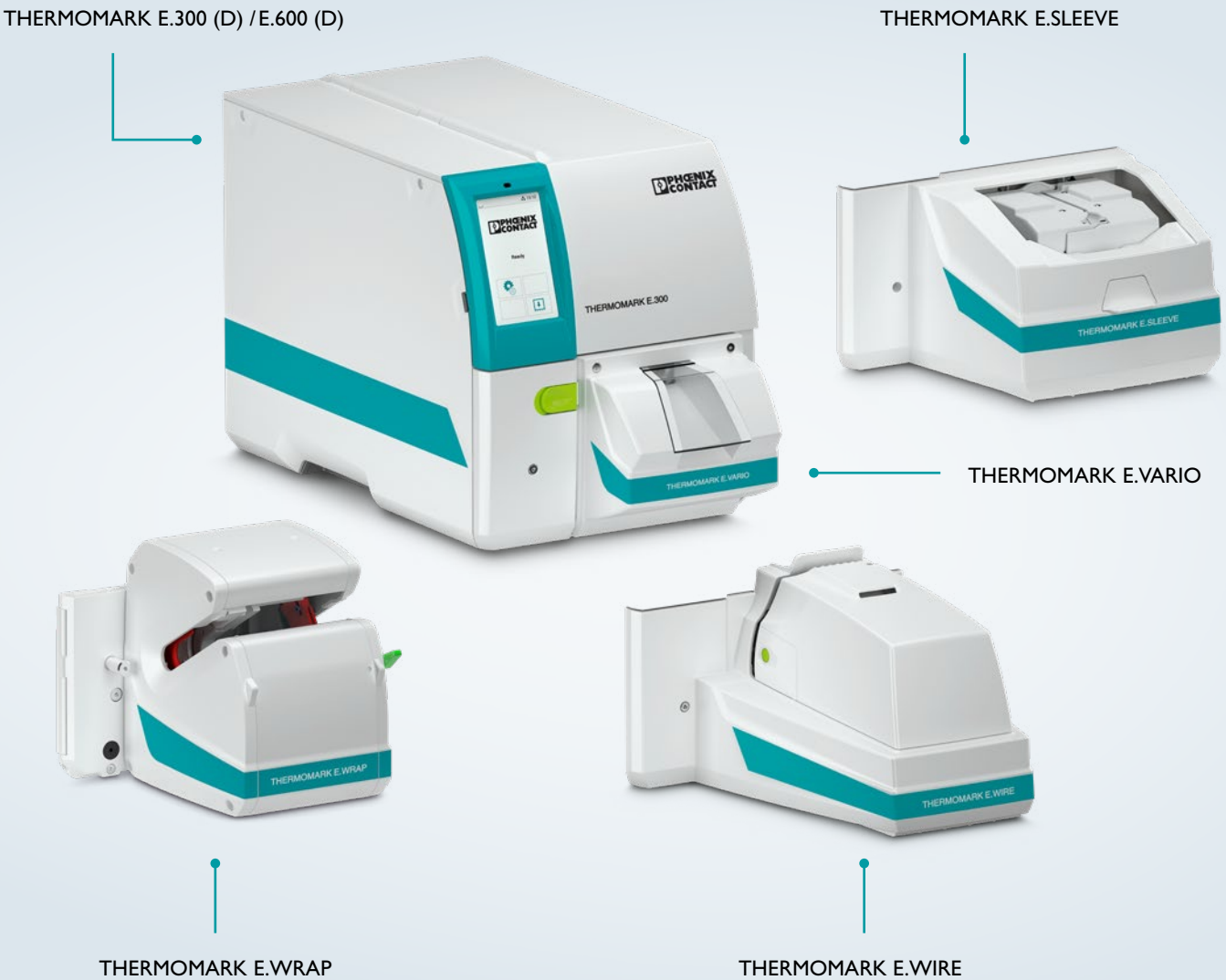
Type	P1 GRAVER 1.0
Item no.	5145520
Engraving chisel with a point angle of 15°, point diameter: 1.0 mm	

Accessories for the PLOTMARK and the ENGRAVING UNIT

Accessories: PLOTMARK with ENGRAVING UNIT		
	Type	P1 ENGRAVING CC1
	Item no.	5145591
	Replacement connecting cable between suction unit and control unit	
	Type	P1 ENGRAVING CC2
	Item no.	5145614
	Replacement connecting cable between control unit and marking plotter	
	Type	P1 ENGRAVING CC3
	Item no.	5145672
	Replacement connecting cable set, consisting of: 1x connecting cable between suction unit and control unit, 1x connecting cable between control unit and engraving spindle	
	Type	P1 ENGRAVING CORD
	Item no.	5145627
	Replacement power cable for the control unit	
	Type	P1 ENGRAVING TUBE
	Item no.	5145601
	Replacement suction tube and clamping piece for the suction unit	
	Type	P1 ENGRAVING VC PLUG
	Item no.	5145630
	Replacement adapter as connection between suction tube and engraving spindle	
	Type	P1 ENGRAVING CB
	Item no.	5145588
	Replacement counter bearing for horizontal alignment of the engraving head for the ENGRAVING UNIT	
	Type	P1 ENGRAVING CH
	Item no.	5145643
	Replacement set, consisting of: 1x stand tube, 1x clamping piece, 1x mounting bracket for fixing the suction tube and the connecting cable	

Automated industrial identification

All work processes throughout the product lifecycle of a control cabinet can be performed more efficiently if all the components are uniformly and clearly marked. Up to 30% of the total production time of a control cabinet is spent just printing, separating, and mounting markings. The THERMOMARK E SERIES is the first modular marking system to combine the printing, separating, and applying of marking materials in just a single automated process step – resulting in time savings of around 60%.



The modular system for maximum efficiency

THERMOMARK E.300 (D) / E.600 (D)

Combine one of the thermal transfer roll printers with one of the applicators. In just a few steps, the system is ready for the desired identification task. You can choose between a print resolution of 300 or 600 dpi. The D version of the printers has an integrated take-up hub and is compatible with all four applicators.

THERMOMARK E.WIRE

The THERMOMARK E.WIRE marks wires and cables with a radially and axially movable marking that can be marked on three sides. The hot-sealed joint ensures that the marker remains captive. The continuous format means that all diameters between 1.8 and 5.6 mm can be marked with just one material. To simplify operation, the cable diameter is measured automatically. Based on this measurement, the software helps determine the optimum size of the marker.

THERMOMARK E.SLEEVE

The THERMOMARK E.SLEEVE processes shrink sleeves in continuous format and cuts them individually to the desired length. In addition, the applicator opens the shrink sleeve so that it can be easily slid onto wires and cables ranging from 0.8 to 8.5 mm in diameter. With automatic object detection by means of photoelectric barriers, you can remove ready marked cables very effectively.

THERMOMARK E.WRAP

The THERMOMARK E.WRAP automatically applies wire-wrap labels to cylindrical objects that are between 2 and 16 mm in diameter. A transparent laminate covers the printed area and protects it completely from external influences. To make handling as easy as possible, the device features an adjustable scale. This ensures that the marking is always attached at the desired distance from the cable end.

THERMOMARK E.VARIO

The THERMOMARK E.VARIO marks entire terminal strips with just two materials in continuous format, regardless of the number of different pitches. This means that any pitch between 3.5 and 1,000 mm can be implemented. Thanks to the innovative geometry of the marking material, you benefit from the material fitting perfectly in the marking groove.

Automated industrial identification – THERMOMARK E SERIES

THERMOMARK E SERIES thermal transfer printers

				
Type Item no.	THERMOMARK E.300 1285306	THERMOMARK E.600 1285310	THERMOMARK E.300 D 1004303	THERMOMARK E.600 D 1004304
Description	Thermal transfer printer for printing all materials in roll format with a print resolution of 300 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.	Thermal transfer printer for printing all materials in roll format with a print resolution of 600 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.	Thermal transfer printer with internal rewinder for printing all materials in roll format with a print resolution of 300 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.	Thermal transfer printer with internal rewinder for printing all materials in roll format with a print resolution of 600 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.
Interfaces	10/100 Mbps Ethernet, USB 2.0, RS-232	10/100 Mbps Ethernet, USB 2.0, RS-232	10/100 Mbps Ethernet, USB 2.0, RS-232	10/100 Mbps Ethernet, USB 2.0, RS-232
Ambient temperature	5°C … 40°C	5°C … 40°C	5°C … 40°C	5°C … 40°C
Print resolution	300 dpi	600 dpi	300 dpi	600 dpi
Weight	10 kg	10 kg	10 kg	10 kg

Country-specific versions

US version		AR version		CN version		KIT version	
							
Type	**Item no.**	**Type**	**Item no.**	**Type**	**Item no.**	**Type**	**Item no.**
THERMOMARK E.300 US	1287021	THERMOMARK E.300 AR	1287022	THERMOMARK E.300 CN	1287020	THERMOMARK E.300 KIT	1287026
THERMOMARK E.600 US	1287029	THERMOMARK E.600 AR	1287030	THERMOMARK E.600 CN	1287028	THERMOMARK E.600 KIT	1287031
THERMOMARK E.300 D US	1287033	THERMOMARK E.300 D AR	1287034	THERMOMARK E.300 D CN	1287032	THERMOMARK E.300 D KIT	1287038
THERMOMARK E.600 D US	1287040	THERMOMARK E.600 D AR	1287041	THERMOMARK E.600 D CN	1287039	THERMOMARK E.600 D KIT	1287042

The devices with the abbreviations US, AR, and CN have country-specific power supply units:
Standard – plug type F: Germany
US – plug type B: USA and Canada
CN – plug type I: China
AR – plug type I[*]: Argentina
KIT – no power cable included in the scope of supply

Automated industrial identification – THERMOMARK E SERIES

Applicators

				
Type Item no.	THERMOMARK E.WIRE 1203216	THERMOMARK E.SLEEVE 1192932	THERMOMARK E.WRAP 1192931	THERMOMARK E.VARIO 1195972
Description	Applicator for the efficient printing and applying of movable E-WM… markers on wires and cables in just a single automated process step	Applicator for the efficient printing and applying of E-WMS… shrink sleeves and marking sleeves on wires and cables in just a single automated process step	Applicator for the efficient printing and applying of E-WML… wire-wrap labels on wires and cables in just a single automated process step	Applicator for the efficient perforation and cutting of a flexible continuous profile of type E-TM… and E-TMF… in a variable pitch ranging from 3.4 mm … 1000 mm for terminal marking in just a single automated process step

Sets

				
Type Item no.	THERMOMARK E.WIRE SET 1287043	THERMOMARK E.SLEEVE SET 1287049	THERMOMARK E.WRAP SET 1287054	THERMOMARK E.VARIO SET 1287059
Description	Equipment set consisting of the E.WIRE applicator and the compatible THERMOMARK E.300 BASIC printing system for printing and applying movable E-WM… markers on wires and cables.	Equipment set consisting of the E.SLEEVE applicator and the compatible THERMOMARK E.300 BASIC printing system for printing and applying E-WMS… shrink sleeves on wires and cables.	Equipment set consisting of the E.WRAP applicator and the compatible THERMOMARK E.300 D BASIC printing system for printing and applying E-WML… wire-wrap labels on wires and cables.	Equipment set consisting of the E.VARIO applicator and the compatible THERMOMARK E.300 BASIC printing system for the efficient perforation and cutting of a flexible continuous profile of type E-TM… and E-TMF… in a variable pitch for terminal marking.

Country-specific versions (for pin connector patterns, see page 72)

	Type Item no.	Type Item no.	Type Item no.	Type Item no.
US version	THERMOMARK E.WIRE SET US 1287046	THERMOMARK E.SLEEVE SET US 1287051	THERMOMARK E.WRAP SET US 1287056	THERMOMARK E.VARIO SET US 1287074
AR version	THERMOMARK E.WIRE SET AR 1287047	THERMOMARK E.SLEEVE SET AR 1287052	THERMOMARK E.WRAP SET AR 1287057	THERMOMARK E.VARIO SET AR 1287075
CN version	THERMOMARK E.WIRE SET CN 1287044	THERMOMARK E.SLEEVE SET CN 1287050	THERMOMARK E.WRAP SET CN 1287055	THERMOMARK E.VARIO SET CN 1287060
KIT version	THERMOMARK E.WIRE SET KIT 1287048	THERMOMARK E.SLEEVE SET KIT 1287053	THERMOMARK E.WRAP SET KIT 1287058	THERMOMARK E.VARIO SET KIT 1287077

Accessories for automated industrial identification

Accessories: E.WIRE

Type	TM E.WIRE/E.SLEEVE-PR
Item no.	1259203

Pressure roller for all E-WM… and E-WMS… materials (for material width of up to 30 mm / 1.18")

Type	TM-RIBBON 30 BK 103
Item no.	1309076

Ink ribbon, for the E-WM… product group in combination with the THERMOMARK E.WIRE applicator, roll length: 300 m, width: 34 mm, color: black

Type	TM E.WIRE-CARDBOARD BOX
Item no.	1371339

Original packaging incl. inlay for safe transportation of the THERMOMARK E.WIRE

Accessories: E.SLEEVE

Type	TM E.WIRE/E.SLEEVE-PR
Item no.	1259203

Pressure roller for all E-WM… and E-WMS… materials (for material width of up to 30 mm / 1.18")

Type	TM-RIBBON 40 BK 105
Item no.	1259008

Ink ribbon, for the E-WMS… product group in combination with the THERMOMARK E.SLEEVE applicator and the WMS… and WMS-2 HF… product groups in combination with conventional roll printers, roll length: 300 m, width: 40 mm, color: black

Type	TM E.SLEEVE-CARDBOARD BOX
Item no.	1371341

Original packaging incl. inlay for safe transportation of the THERMOMARK E.SLEEVE

Accessories: E.WRAP

Type	TM E.WRAP-PR
Item no.	1259200

Pressure roller for all E-WML… materials (material width of up to 60 mm / 2.36")

Type	TM-RIBBON 64 BK 103
Item no.	1255598

Ink ribbon, for the E-WML… product group in combination with the THERMOMARK E.WRAP applicator, length: 0.3 m, roll length: 300 m, width: 64 mm, color: black

Type	TM E.300/E.600-DISPENSING EDGE/L
Item no.	1263116

Dispensing edge for processing all E-WML… materials when using the THERMOMARK E.WRAP

Type	TM E.WRAP-CARDBOARD BOX
Item no.	1371340

Original packaging incl. inlay for safe transportation of the THERMOMARK E.WRAP

Accessories: E.VARIO

Type	TM E.VARIO-PR-TM
Item no.	1259201

Pressure roller for E-TM… materials (material width of up to 10 mm / 0.39")

Type	TM E.VARIO-PR-TMF
Item no.	1259202

Pressure roller for E-TMF… materials (material width of up to 5 mm / 0.20")

Type	TM-RIBBON 30 BK 100
Item no.	1259009

Ink ribbon, for the E-TM(F)… product group in combination with the THERMOMARK E.VARIO applicator, roll length: 300 m, width: 34 mm, color: black

Type	TM E.VARIO-CARDBOARD BOX
Item no.	1371342

Original packaging incl. inlay for safe transportation of the THERMOMARK E.VARIO

Marking materials for automated industrial identification

THERMOMARK E.WIRE: Movable cable markers in continuous format

Type	Item no.	E-WM (EX15)R	1233940
Technology			
Cable diameter		1.8 mm … 5.6 mm	
Lettering field size		3 lettering fields with variable height x 14.5 mm	
Mounting type		Welding	
Material		PET + thermoplastic hot-melt adhesive	
Ambient temperature		-40°C … 80°C	

Additional versions

E-WM (EX15)R YE	1233941
E-WM (EX18)R	1234227
E-WM (EX18)R YE	1234228
E-WM (EX23)R	1234231
E-WM (EX23)R YE	1234233

THERMOMARK E.SLEEVE: Shrink sleeve in continuous format

Type	Item no.	E-WMS 2,4 (EX4)R	1221568
Technology			
Cable diameter		0.8 mm … 2.4 mm	
Lettering field size		4 x (min. 15 mm … max. 51 mm)	
Mounting type		Slide on	
Material		Polyolefin	
Ambient temperature		-55°C … 125°C	

Additional versions

E-WMS 2,4 (EX4)R YE	1221570
E-WMS 3,2 (EX5)R	1221582
E-WMS 3,2 (EX5)R YE	1221584
E-WMS 4,8 (EX9)R	1221574
E-WMS 4,8 (EX9)R YE	1221586
E-WMS 6,4 (EX10)R	1221580
E-WMS 6,4 (EX10)R YE	1221588
E-WMS 9,5 (EX16)R	1221590
E-WMS 9,5 (EX16)R YE	1221593

THERMOMARK E.WRAP: Wrap-around label with protective laminate

Type	Item no.	E-WML 4 (13X6)R	1199658
Technology			
Cable diameter		2 mm … 4 mm	
Lettering field size		12.7 x 6.4 mm	
Mounting type		Adhesive	
Material		PVC	
Ambient temperature		-40°C … 80°C	

Additional versions

E-WML 4 (25X6)R	1343120
E-WML 5 (25X10)R	1199660
E-WML 5 (25X10)R YE	1199661
E-WML 6 (25X13)R	1343122
E-WML 6 (13X13)R YE	1199665
E-WML 8 (25X13)R	1199675
E-WML 12 (25X19)R	1199677
E-WML 14 (25X19)R	1199679
E-WML 14 (25X19)R YE	1199681
E-WML 16 (25X19)R	1199686
E-WML 16 (51X19)R	1199685

THERMOMARK E.VARIO: Zack marker strips in continuous format

Type	Item no.	E-TMF (EX5)R	1196220
Technology			
Pitch		Variable	
Marking groove		Flat	
Mounting type		Latching	
Material		TPU	
Ambient temperature		-30°C … 80°C	

Additional versions

E-TMF (EX5)RL	1196221

Type	Item no.	E-TM (EX10)R	1196222
Technology			
Pitch		Variable	
Marking groove		Tall	
Mounting type		Latching	
Material		TPU	
Ambient temperature		-30°C … 80°C	

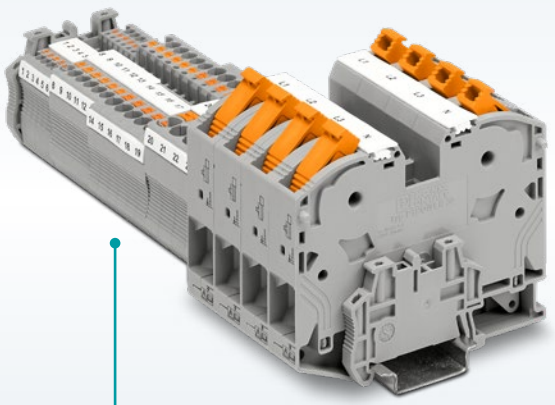
Additional versions

E-TM (EX10)RL	1196223

Marking material

2

The MARKING system includes a wide range of marking materials that are suitable for a variety of applications in the industrial environment – from control cabinet marking to outdoor installations. Numerous versions are available for terminal, wire and cable, equipment, and plant identification. Durability is particularly important for professional and long-lasting identification, which is why all marking materials are extensively tested.



Terminal marking

Large-surface and clear marking is essential for the quick and error-free wiring of terminal strips. In particular, this simplifies the commissioning and maintenance of control cabinets and systems.

More information starting on page 84

Equipment marking

Equipment markings are used in the control cabinet, in production plants, in the field, or in outdoor installations. This multitude of applications presents numerous demands, which can only be met with special materials and adhesives.

More information starting on page 116

Wire and cable marking

Standard-compliant and durable wire and cable identification ensures safety and simplifies maintenance work during servicing. Depending on the application and wiring process, the appropriate choice of material and the mounting type are crucial.

More information starting on page 98

Plant marking

The comprehensive and clear identification of plants not only ensures safety, but is also a legal requirement. Along with warning information, prohibition signs, and mandatory signs, markings identify emergency stop buttons and fire alarm systems, for example.

More information starting on page 136

Certified quality for your applications

Environmental tests

Marking materials and their markings must be particularly resilient depending on their area of application. To ensure clear and durable identification, the properties of the base material must not be able to change too drastically. The quality of the printing must remain constant. Phoenix Contact strictly uses tested materials that fulfill the requirements set by various standards in every respect.

Weathering and radiation: DIN EN ISO 4892-2

To simulate several years of use outdoors, the marking materials are exposed to cyclical stresses through 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.

Chemical resistance: DIN EN ISO 175

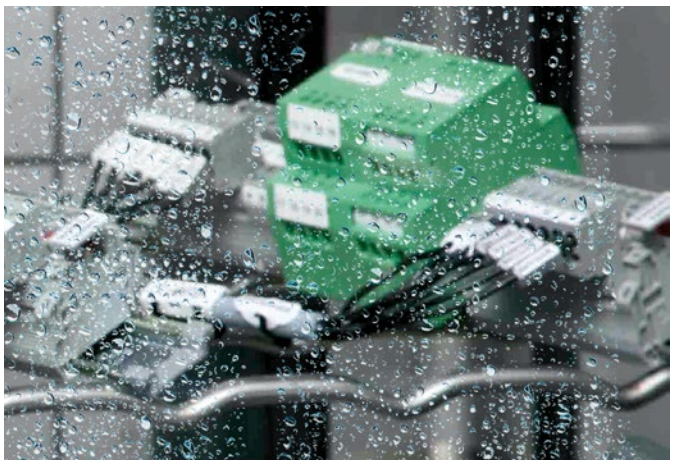
Liquid oils and chemicals can trigger physical or chemical reactions that have a negative impact on the base material. Both the mechanical properties of a plastic and the durability of the marking can be affected. Tested materials withstand these influences.

Wipe resistance: DIN EN ISO 61010-1 and DIN EN 62208

To ensure the wipe resistance of markings in an industrial environment, the markings undergo a test with isopropanol, n-hexane, and petroleum ether. A cloth is soaked in the respective chemical and wiped over the marking material with a defined force for 30 seconds. After the test, the marking must still be clearly legible.

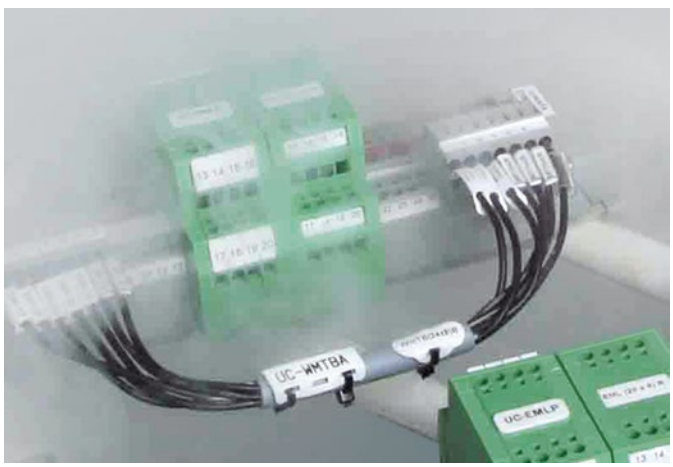
Condensation changing climate: DIN 50018

To test the resistance of the materials to corrosion damage, they are exposed to a condensation changing climate with a sulfur dioxide atmosphere at +40°C. An acidic atmosphere forms during the test. Finally, a microscopic visual inspection of the materials is performed.



Salt spray: IEC 60068-2-11/-52

Particularly in shipbuilding and in offshore applications, the markings must withstand corrosive atmospheres containing salt. To ensure this can be achieved, the resistance of the materials is tested through salt spray in a corrosive atmosphere. A visual inspection is performed after the test.



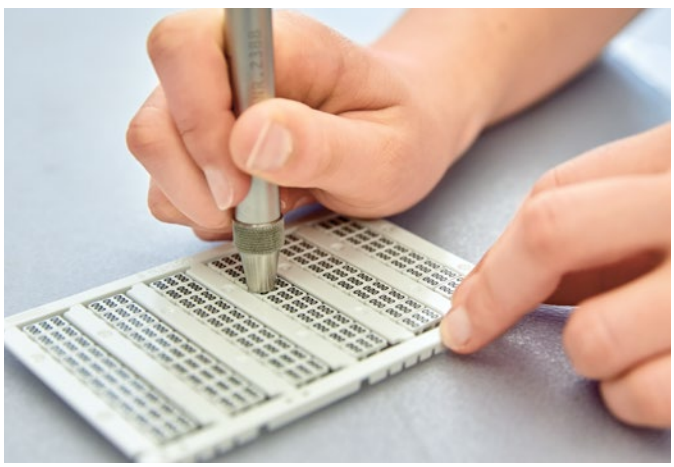
Certified quality for your applications

Testing of mechanical influences

In addition to environmental influences, marking materials and their markings are often subjected to mechanical influences. It must not be possible to scratch the marking off and abrasive industrial cleaning agents must not render the marking illegible. Furthermore, the marking materials must also remain securely fixed in place even when subjected to vibration. The materials used by Phoenix Contact also satisfy all standards and requirements in this area.

Scratch resistance: DIN EN ISO 1518

Using an Erichsen hardness test pencil, the scratch resistance of markings is tested by exposing them to intermittent or linear stress. A defined force is applied to an engraving needle via spring tension. The spring tension under which the Erichsen hardness test pencil leaves a barely visible trace is the deciding factor.

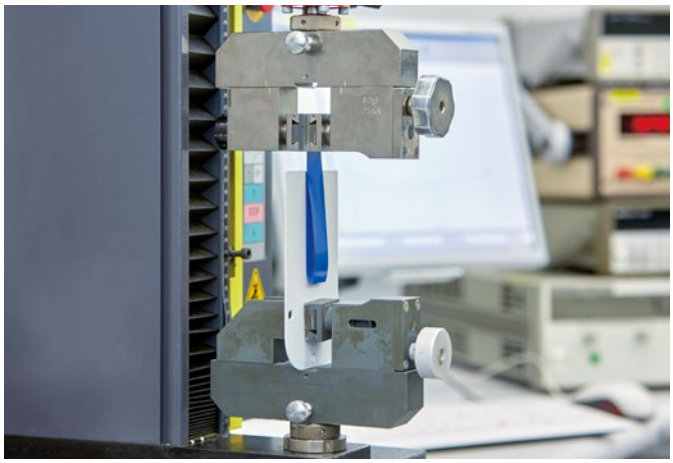


Grid test: DIN EN ISO 2409

The Tesa test is used to test the adhesion of printing. A transparent self-adhesive tape with an adhesive strength of 10 ±1 N is applied to the printing to be tested and is then removed from the surface at an angle of 60° to the pull-off direction. There should be no marks from the printing on the adhesive tape after the test.

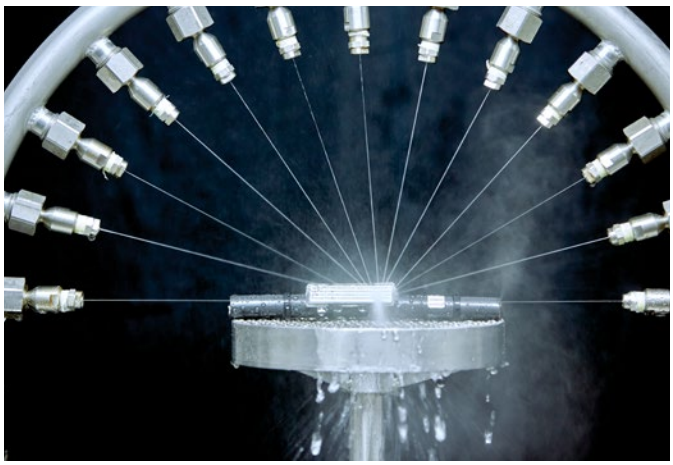
Adhesion: FINAT 1, 2, and 9

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 predefined angle, at 300 mm/min. The adhesive strength is specified in N/25 mm.



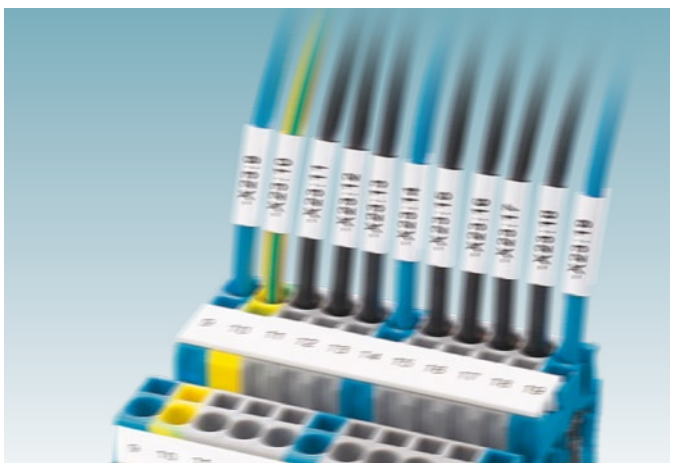
Degrees of protection: DIN EN 60529/ISO 20653

Differing ambient conditions and requirements necessitate a clear classification of markings in IP degrees of protection. These are indicated by a code consisting of two numbers following the IP abbreviation. The first number describes the scope of protection against the ingress of foreign bodies, and the second the tightness of seal against moisture.



Vibrations: DIN EN 50155

To simulate vibration stress that occurs in practice (e.g., in the railway industry), the marking materials are exposed to 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.



Identification solutions

Ink ribbons for thermal transfer printers

Designation	Item No.	Print media
THERMOMARK-RIBBON 110	5145384	EML, EML-ESD, EML-LT, EML-RM, EML-HA, EML-LPR, EML-LPR-D, EMLS, EMLC, EMLP, EMLF, WML, WML HF, WML-FLAG, WMT, WMTB, WMTS, PML, PMM, SK, TML, TMT
THERMOMARK-RIBBON 110/50	0800687	EML, EML-ESD, EML-RM, EML-HA, EMLS, EMLC, EMLP, EMLF, WML, WML HF, WML-FLAG, WMT, WMTB, PML, PMM, SK, TML, TMT
THERMOMARK-RIBBON 110-EX	0803211	EML-EX, EML-D
THERMOMARK-RIBBON 110-EML-HT	0800342	EML-HT
THERMOMARK-RIBBON 110-WMTB HF	5148007	WMTB HF, WMS-2 HF, TMT, EMT, WMT
THERMOMARK-RIBBON 110 BU	0829544	EML
THERMOMARK-RIBBON 110 GN	0829542	EML
THERMOMARK-RIBBON 110 RD	0829543	EML
THERMOMARK-RIBBON 110-WMSU	0801358	WMS, WMTB HF-HP
THERMOMARK-RIBBON 25-WMSU	0803390	WMS, WMS-2 HF
THERMOMARK-RIBBON 64-WMSU	0801360	WMS
THERMOMARK-RIBBON 110-WMS	5145397	WMS
THERMOMARK-RIBBON 64-WMSE	5145724	WMS
THERMOMARK-RIBBON 110-WMSU WH	0801359	WMS
THERMOMARK-RIBBON 64-WMSU WH	0801361	WMS
THERMOMARK-RIBBON 64-WMSE RD	5145740	WMS
TM-RIBBON 105 BK 106	1255597	WMTB HF-D
TM-RIBBON 25 BK 102	1053499	WMS-OT HF, TML (white), TMT, EMT (continuous)
TM-RIBBON 30 BK 100	1259009	E-TM, E-TMF
TM-RIBBON 30 BK 103	1309076	E-WM
TM-RIBBON 40 BK 105	1259008	E-WMS
TM-RIBBON 64 BK 103	1255598	E-WML
THERMOMARK-RIBBON 110-WMTB HF WH	0802990	WMTB HF, WMS-2 HF, TMT, EMT
TM-RIBBON 110 WH 100	0804661	EMLP BU, EMLP RD US-EML, US-EMLP, US-EMLP-HA, US-EML-RS, US-EMLSP, US-TM, US2-TM, US-TMF, US-TMFL, US-TML, US-WMT, US-WMTB, WMTB HF-HP
TM-RIBBON 110 WH 101	1099966	PML-T
THERMOMARK-RIBBON 110-TC	0801371	UCT, US, UM
THERMOMARK-RIBBON 110/50-TC	0801384	UCT, US, UM
TMP-RIBBON 110 BK 100	0803374	UCT, UM, US-EML, US-EMLF, US-EMLP, US-EMLP-HA, US-EML-RS, US-EMLSP, US-EMT, US-PML, US-TM, US2-TM, US-TMF, US-TMFL, US-TML, US-WML, US-WMT, US-WMTB
TMP-RIBBON 110 BK 101	0803714	US-EML, US-EMLP, US-EMLP-HA, US-EML-RS, US-EMLSP, US-TM, US2-TM, US-TMF, US-TMFL, US-TML, US-WMT, US-WMTB
TMP-RIBBON 110 BU 100	0803378	US-EML, US-EMLP, US-EMLP-HA, US-EML-RS, US-EMLSP, US-TM, US2-TM, US-TMF, US-TMFL, US-TML, US-WMT, US-WMTB
TMP-RIBBON 110 GN 100	0803380	US-EML, US-EMLP, US-EMLP-HA, US-EML-RS, US-EMLSP, US-TM, US2-TM, US-TMF, US-TMFL, US-TML, US-WMT, US-WMTB
TMP-RIBBON 110 RD 100	0803377	US-EML, US-EMLP, US-EMLP-HA, US-EML-RS, US-EMLSP, US-TM, US2-TM, US-TMF, US-TMFL, US-TML, US-WMT, US-WMTB
TMP-RIBBON 110 WH 100	0803376	US-EML, US-EMLP, US-EMLP-HA, US-EML-RS, US-EMLSP, US-TM, US2-TM, US-TMF, US-TMFL, US-TML, US-WMT, US-WMTB
TMP-RIBBON 110 YE 100	0803379	US-EML, US-EMLP, US-EMLP-HA, US-EML-RS, US-EMLSP, US-TM, US2-TM, US-TMF, US-TMFL, US-TML, US-WMT, US-WMTB

THERMOMARK PRIME	THERMOMARK CARD 2.0	THERMOMARK E.300 (D)/600 (D)	THERMOMARK ROLL 2.0
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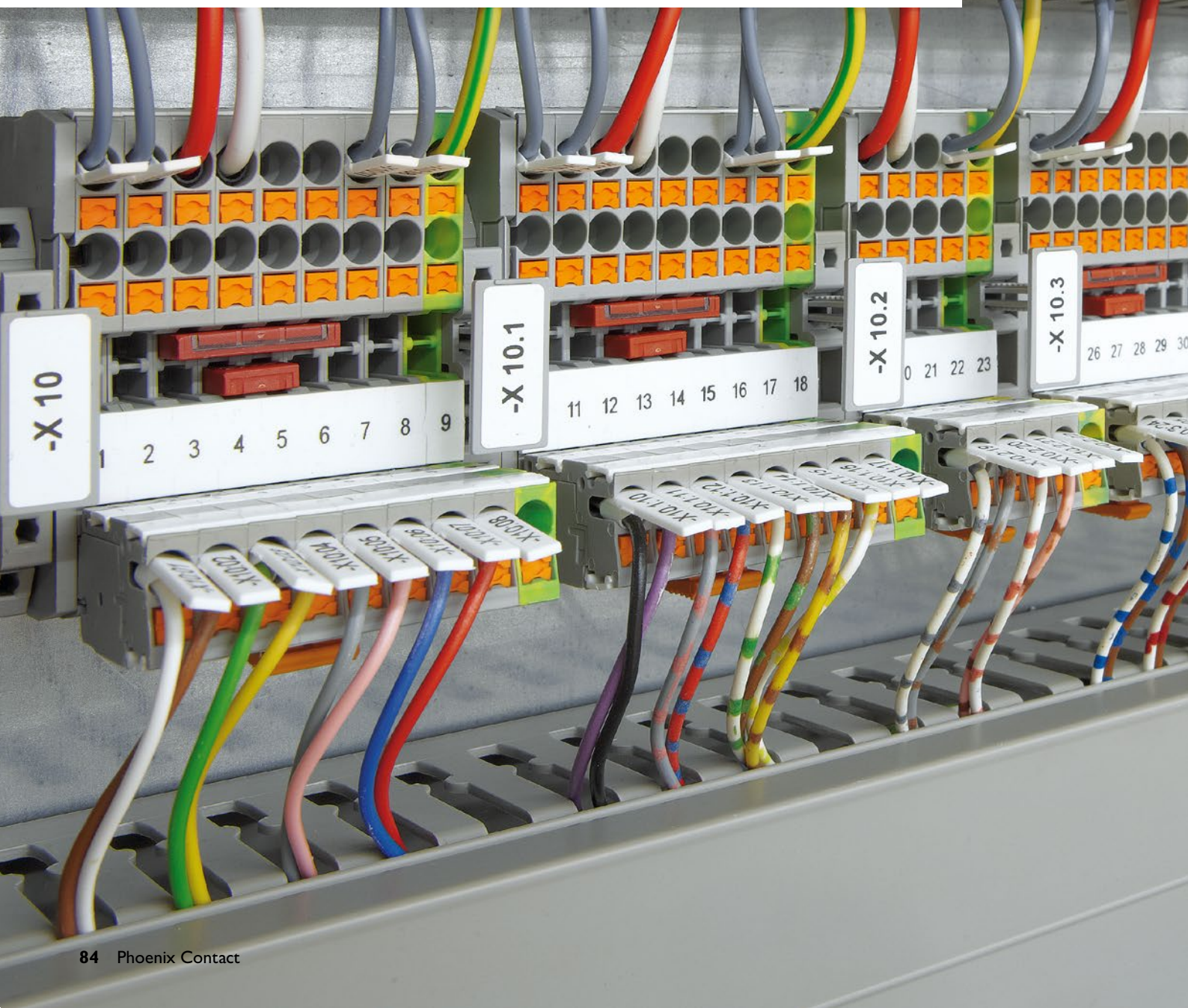
Identification solutions

Terminal identification

Large-surface and clear marking of terminal points is essential for the quick and error-free wiring of terminal strips. In particular, this simplifies the commissioning and maintenance of control cabinets and systems. Terminal strips are assembled flexibly with different terminal blocks whose geometries can differ from each other. The decisive variables for the terminal markings are the pitch and the marker groove. Phoenix Contact provides a comprehensive range of versions that enable secure positioning on the terminal blocks.

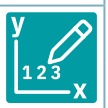


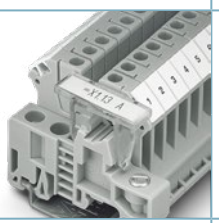
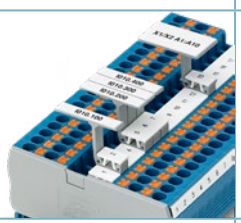
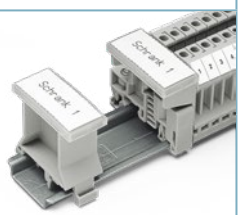
Designation key: Terminal identification

					Technology
Terminal identification: Marking solution in roll format					
TML		Terminal Marking	Label	Self-adhesive marker strips for zack marker strips or terminal blocks without marking groove	 Thermal transfer printing
TMT (EX…)			Tag, Continuous media	Markers for latching into flat marking groove	
TMT			Tag	Markers for latching into flat marking groove	
SK		Self-adhesive strips		Self-adhesive marker strips for components without marking groove	
Terminal identification: Marking solution in sheet format					
UC-TM	Universal Card	Terminal Marking		Markers for latching into terminal blocks with tall marking groove	 UV LED printing Plotter
UC-TMF			Flat	Markers for latching into terminal blocks with flat marking groove	
UC-TMN			Nail	Plug-in markers for G5/… device terminal blocks, MBK mini feed-through terminal block, and VDFK… panel feed-through terminal blocks	
UCT-TM	Universal Card thermal transfer			Markers for latching into terminal blocks with tall marking groove	 Direct laser marking UV LED printing Thermal transfer printing
UCT-TMF			Flat	Markers for latching into terminal blocks with flat marking groove	
UCT-TMC				Markers for the identification of the E/NS 35 N end bracket	
UCTU-TM				Markers for the PTIO 1,5/S… terminal block series	
Terminal identification: Marking solution in card format					
US-TML	Universal Sheet	Terminal Marking	Label	Self-adhesive marker strips for zack marker strips or terminal blocks without marking groove	 UV LED printing Thermal transfer printing
US-TMF			Flat	Marker strips for latching into flat marking groove	
US-TMFL			Flat Label	Self-adhesive marker strips for flat marking groove	
US-TM 100			100 mm	Marker strips for latching into marking groove	
Terminal identification: Marking solution in zack marker strip format					
ZB		Zack marker strip		Self-adhesive marker strips for zack marker strips or terminal blocks without marking groove	 Plotter
ZBF			Flat	Markers in strip format for latching into flat marking groove	
Terminal identification: Marking solution in cartridge format					
MM-TML	Mobile Marking	Terminal Marking	Label	Self-adhesive marker strips for marking terminal blocks without marking groove	 Thermal transfer printing
MM-TMT			Tag	Labels for latching into flat and tall marking groove	

Terminal identification

Marker carriers for terminal identification

								
Product group						**STP...**	**STP-ZB...**	**CARRIER-TM...**
Product type						Marker carrier	Marker carrier	Marker carrier
Mounting type						Plug in	Plug in	Snap in
Mounting type of the marking material						Snap in	Snap in	Snap in
Area of application (examples)						Multi-level terminal blocks, double-level or three-level spring-cage terminal blocks (e.g., STTB..., PTTB..., ST...)	ST 1,5… or ST 2,5 spring-cage terminal blocks	All terminal blocks from the CLIPLINE complete system with flat, lateral marker groove
Marking material product group	Compatible printing technology							
								
UCT-TM...		●	●	●		●	●	●
UCT-TMF...		●	●	●		●	●	
UC-TM...			●		●	●	●	●
UC-TMF...			●		●	●	●	
US-EMP...		●	●					
US-EML...		●	●					
US-EMLP...		●	●					
EMT...	●	●						
EML...	●	●						
EMLP...	●	●						
EMLC...	●	●						
ESL					●			
ZB					●	●	●	●
ZBF					●	●	●	
B-STIFT					●			

					
CARRIER-TMH...	**CARRIER-TMD...**	**KLM...**	**GBS...**	**AK...**	**UBE(/D)...**
Marker adapter	Double marker adapter	Marker carrier	Group marking label	Group marking label	Marker carrier
Snap in	Snap in	Plug in	Snap in	Snap in	Snap in
Snap in	Snap in	Snap in	Snap in	Snap in	Snap in
All terminal blocks from the CLIPLINE complete system with flat, lateral marker groove	Double-row, snap-in marker adapter, for holding two ZB… or UC-TM... and UCT-TM...	E/UK end bracket, CLIPFIX 15, CLIPFIX 35, and CLIPFIX 35-5 end brackets	Can be snapped into terminal center for screw, spring-cage, and fast-connection terminal blocks / Push-in terminal blocks of type …1,5/S	Terminal blocks whose uppermost marker groove is angled 45° / 60°, e.g., DIK terminal blocks, can be snapped into marker groove, the marker holder can be swiveled 120°	For the identification of terminal block groups, for E/UK end bracket or E/U end bracket
					
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Marking materials for terminal identification

Marking material for terminal blocks from other manufacturers				
Product group	**Compatible marking system**			
				
	THERMOMARK PRIME	**THERMOMARK CARD 2.0**	**BLUEMARK ID BLUEMARK ID COLOR**	**TOPMARK NEO**
UC1-TM			●	
UC1-TMF			●	
UCT1-TM	●	●	●	●
UCT1-TMF	●	●	●	●
UM1-TM	●	●	●	●
UM1-TMF	●	●	●	●
UC2-TM			●	
UC2F-TM			●	
UCT2-TM	●	●	●	●
UM2-TM	●	●	●	●
UC3-TM			●	
UCT3-TM	●	●	●	●
UM3-TM	●	●	●	●
UC4-TM			●	
UCT5-TM	●	●	●	●
UM5-TM	●	●	●	●
UCT6M-TM	●	●	●	●
UCT6R-TM	●	●	●	●
UM6M-TM	●	●	●	●
UM6R-TM	●	●	●	●
UM7-TM	●	●	●	●
UM8-TM	●	●	●	●

Manufacturer								
Weidmüller CONTA-CLIP Klemsan	Wago	Wieland	Siemens (8WA series)	Cabur	ABB (SNK series)	Entrelec	Legrand	Woertz
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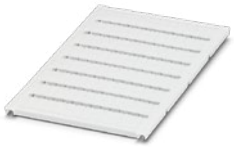
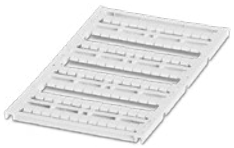
Marking materials for terminal identification

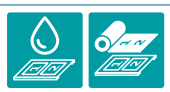
Terminal markers in sheet format				Additional versions	
	Type	Item no.	UC-TM 5	0818108	UC-TM 6 UC-TM 8 UC-TM 10 UC-TM 12	0818085 0818072 0818069 0819194
	Technology					
	Pitch		5.2 mm			
	Marking groove		Tall			
	Mounting type		Latching			
	Material		PA			
	Ambient temperature		-40°C … 120°C			
	Type	Item no.	UC-TMF 5	0818153	UC-TMF 4 UC-TMF 6 UC-TMF 8 UC-TMF 16	0818166 0818140 0818137 0819262
	Technology					
	Pitch		5.2 mm			
	Marking groove		Flat			
	Mounting type		Latching			
	Material		PA			
	Ambient temperature		-40°C … 120°C			
	Type	Item no.	UC-TMN 7,5	0821823	UC-TMN 5,2 UC-TMN 10	0822945 0828554
	Technology					
	Pitch		7.5 mm			
	Marking groove		Tall			
	Mounting type		Latching			
	Material		PA			
	Ambient temperature		-40°C … 120°C			

Marking materials for terminal identification

Terminal markers in sheet format			Additional versions	
	Type Item no.	UCT-TM 5 0828734	UCT-TM 3,5 UCT-TM 6 UCT-TM 8 UCT-TM 10	0829484 0828736 0828740 0829142
	Technology			
	Pitch	5.2 mm		
	Marking groove	Tall		
	Mounting type	Latching		
	Material	PC		
	Ambient temperature	-40°C … 120°C		
	Type Item no.	UCT-TMF 5 0828744	UCT-TMF 3,5 UCT-TMF 4 UCT-TMF 6 UCT-TMF 8	0829486 0828742 0828746 0828748
	Technology			
	Pitch	5.2 mm		
	Marking groove	Flat		
	Mounting type	Latching		
	Material	PC		
	Ambient temperature	-40°C … 120°C		
	Type Item no.	UCTU-TM (3,5X7) 0803666		
	Technology			
	Area of application	PTIO 1,5/S... terminal block series		
	Pitch	3.5 mm		
	Marking groove	Tall		
	Mounting type	Latching		
	Material	PC		
	Ambient temperature	-40°C … 120°C		

Markers for end brackets			Additional versions	
	Type Item no.	UCT-TMC (30X8) 1278515	UCT-EM (30X5) YE	0830340
	Technology			
	Area of application	E/NS 35 N end brackets		
	Mounting type	Latching		
	Material	PC		
	Ambient temperature	-40°C … 120°C		

Marking materials for terminal identification

Terminal markers in card format			Additional versions	
	Type / Item no.	US-TML (104X3,8) 0830768	US-TML (104X2,8) US-TML (104X5) US-TML (104X10)	0830767 0830769 0830770
	Technology			
	Pitch	Variable		
	Marking groove	Flat		
	Mounting type	Adhesive		
	Material	Polyester		
	Ambient temperature	-40°C … 150°C		
	Type / Item no.	US-TMF 100 0829260		
	Technology			
	Pitch	Variable		
	Marking groove	Flat		
	Mounting type	Latching		
	Material	PVC		
	Ambient temperature	-30°C … 80°C		
	Type / Item no.	US-TMFL 100 0830339		
	Technology			
	Pitch	Variable		
	Marking groove	Flat		
	Mounting type	Adhesive		
	Material	PVC		
	Ambient temperature	-30°C … 80°C		
	Type / Item no.	US-TM 100 0829255		
	Technology			
	Pitch	Variable		
	Marking groove	Universal		
	Mounting type	Latching		
	Material	PVC		
	Ambient temperature	-30°C … 80°C		

Marking materials for terminal identification

Terminal markers in roll format				Additional versions	
	Type	Item no.	TML (EX3,8)R	0801837	TML (101X9,5)R TR 0816647 TML (104X2,8)R 0801832 TML (104X3,8)R 0801833 TML (EX2,8)R 0801836 TML (EX5)R 0801838 TML (EX7)R 0830837 TML (EX10)R 0801839
	Technology				
	Pitch		Variable		
	Marking groove		Flat		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 150°C		
	Type	Item no.	TMT 5 R	0816430	TMT 4 R 0816375 TMT 6 R 0816498 TMT 8 R 0816553 TMT 10 R 0816210 TMT 100 R 0816605
	Technology				
	Pitch		5.2 mm		
	Marking groove		Flat		
	Mounting type		Latching		
	Material		Polyester		
	Ambient temperature		-40°C … 120°C		
	Type	Item no.	TMT (EX9,5)R	0828295	TMT (EX5,5)R 0803062 TMT (EX6,2)R 0803063 TMT (EX6,5)R 0803064 TMT (EX7,5)R 0803065 TMT (EX8)R 0803066 TMT (EX8,5)R 0803067 TMT (EX10)R 0803068 TMT (EX10,5)R 0803070 TMT2 (EX11)R 0802683 TMT (EX12)R 0803071
	Technology				
	Pitch		Variable		
	Mounting type		Latching		
	Material		PVC		
	Ambient temperature		-30°C … 80°C		
	Type	Item no.	SK 2,8 WH:REEL	0805205	SK 3,8 WH:REEL 0805218 SK 5,0 WH:REEL 0805221 SK 10,0 WH:REEL 0812188
	Technology				
	Pitch		Variable		
	Marking groove		Flat		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 150°C		

Marking materials for terminal identification

Terminal markers in cartridge format			Additional versions	
	Type	Item no.	MM-TML (EX3,8)R C1 WH/BK	1092026
	Technology			
	Pitch		Variable	
	Marking groove		Flat	
	Mounting type		Adhesive	
	Material		Polyester	
	Ambient temperature		-40°C … 150°C	
			MM-TML (EX4,2)R C1 TR/BK	0803979
			MM-TML (EX9,5)R C1 TR/BK	0803981
	Type	Item no.	MM-TMT (EX6,35)R C1 WH/BK	0803982
	Technology			
	Pitch		Variable	
	Marking groove		Flat	
	Mounting type		Latching	
	Material		Polyester	
	Ambient temperature		-40°C … 120°C	
			MM-TMT (EX9,5)R C1 WH/BK	0803983

Insert labels for group marker carriers			Additional versions	
	Type	Item no.	ESL 44X7	0808244
	Technology			
	Mounting type		Insert	
	Material		Polyester foil	
	Ambient temperature		-40°C … 100°C	
			ESL 40X17	0808095
			ESL 60X10	0804287
	Type	Item no.	EMT (44X7)R	0819275
	Technology			
	Mounting type		Insert	
	Material		Polyester	
	Ambient temperature		-40°C … 120°C	
			EMT (40X17)R	0817293
			EMT (60X10)R	0804288

Marking materials for terminal identification

Terminal markers in zack marker strip format				Additional versions	
	Type	Item no.	ZB 6:UNBEDRUCKT	1051003	ZB 5 :UNBEDRUCKT 1050004 ZB 8:UNBEDRUCKT 1052002 ZB 10:UNBEDRUCKT 1053001 ZB 12:UNPRINTED 0812120
	Technology				
	Pitch		6.2 mm		
	Marking groove		Tall		
	Mounting type		Latching		
	Material		PA		
	Ambient temperature		-40°C … 100°C		
	Type	Item no.	ZBF 5:UNBEDRUCKT	0808642	ZBF 3,5:UNBEDRUCKT 0829392 ZBF 4:UNBEDRUCKT 0808587 ZBF 6:UNBEDRUCKT 0808710 ZBF 15:UNBEDRUCKT 0811202
	Technology				
	Pitch		5 mm		
	Marking groove		Flat		
	Mounting type		Latching		
	Material		PA		
	Ambient temperature		-40°C … 100°C		

Marked terminal markers in zack marker strip format				Additional versions	
	Type	Item no.	ZB 5,LGS:FORTL.ZAHLEN	1050017	ZB 5,QR:FORTL.ZAHLEN 1050020 ZB 6,QR:FORTL.ZAHLEN 1051029 ZB 6,LGS:FORTL.ZAHLEN 1051016 ZB 8,LGS:FORTL.ZAHLEN 1052015
	Pitch		5.2 mm		
	Marking groove		Tall		
	Mounting type		Latching		
	Material		PA		
	Ambient temperature		-40°C … 100°C		
	Type	Item no.	ZBF 5,LGS:FORTL.ZAHLEN	0808671	ZBF 3,5,LGS:FORTL.ZAHLEN 0801406 ZBF 6,LGS:FORTL.ZAHLEN 0808749 ZBF 5,LGS:GERADE ZAHLEN 0810821 ZBF 5,LGS:UNGERADE ZAHLEN 0810863
	Pitch		5 mm		
	Marking groove		Flat		
	Mounting type		Latching		
	Material		PA		
	Ambient temperature		-40°C … 100°C		

Marking materials for terminal identification

Marker carriers for marking terminal block groups				Additional versions	
	Type	Item no.	STP 5-2	0800967	STP 5-3 0810562 STP 3,5-2 0830131 STP 3,5-3 0830132 STP 4-2 0810575 STP 5-2/S 0800970
	Lettering field size		5 x 10.5 mm		
	Mounting type		Plug in		
	Material		PA		
	Ambient temperature		-40°C … 100°C		
	Type	Item no.	STP 5-2-ZB	3037643	STP 4-2-ZB 3038613
	Mounting type		Latching		
	Material		PA		
	Ambient temperature		-40°C … 100°C		
	Type	Item no.	CARRIER-TM 300	0828282	
	Lettering field size		10.5 x 300 mm		
	Mounting type		Latching		
	Material		PA		
	Ambient temperature		-40°C … 80°C		
	Type	Item no.	CARRIER-TMH 300	0830670	
	Lettering field size		10.5 x 300 mm		
	Mounting type		Latching		
	Material		PA		
	Ambient temperature		-40°C … 80°C		
	Type	Item no.	CARRIER-TMD 300	0828693	
	Lettering field size		10.5 x 300 mm		
	Mounting type		Latching		
	Material		PA		
	Ambient temperature		-40°C … 80°C		
	Type	Item no.	KLM	1004306	KLM 1 1004319 KLM 2 0807575 KLM 3 0811969 KLM 3-L 0814788 KLM 4 0811970
	Lettering field size		25 x 6 mm		
	Mounting type		Plug in		
	Material		ABS		
	Ambient temperature		-40°C … 80°C		

Marking materials for terminal identification

Marker carriers for marking terminal block groups				Additional versions	
	Type	Item no.	GBS 5-25X12	0810588	GBS 5-25X5 GBS 3,5-25X3,5 GBS 3,5-25X12	0829126 0830290 0830292
	Lettering field size		25 x 12 mm			
	Mounting type		Latching			
	Material		PA			
	Ambient temperature		-40°C … 120°C			
	Type	Item no.	AK-DST/UK	1000708	AK-DST/DIK	1000779
	Lettering field size		8.5 x 5 mm			
	Mounting type		Latching			
	Material		PA/PC			
	Ambient temperature		-40°C … 100°C			
	Type	Item no.	UBE	0800310	UBE/D UBE/D N+C	0800307 0803122
	Lettering field size		40 x 17 mm			
	Mounting type		Latching			
	Material		PA			
	Ambient temperature		-40°C … 100°C			

Identification solutions

Wire and cable identification

Standard-compliant and durable wire and cable marking ensures safety and simplifies maintenance work during servicing. Depending on the application and wiring process, the appropriate choice of material and the mounting type are crucial. Assembly with cable ties is not dependent on the wire or cable diameter, and can also be performed after wiring. Subsequent marking is also possible using clip-on or adhesive markers. Identification with thread-on markers, however, must be performed prior to wiring.

Designation key: Wire and cable identification

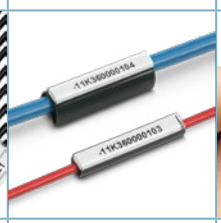
					Technology
Wire and cable identification: Marking solutions in roll format					
WML	Wire Marking	Label		Wrap-around labels with protective laminate for extra high durability	 Thermal transfer printing
WML HF			Halogen-free	Halogen-free wrap-around labels with protective laminate for extra high durability	
WML-FLAG			Flag	Self-adhesive labels with horizontal cable marking flags	
WML-FLAGV			Flag Vertical	Self-adhesive labels with vertical cable marking flags	
WMT …		Tag		Markers for sliding on directly	
WMTS		Tag Slide		Markers for easy identification of PATG / PATO marking sleeves by means of a perforated pull-through tab	
WMS		Slide		Halogen-free marking sleeve in accordance with UL 224 and CSA 22.2 with a shrink ratio of 3:1	
WMS-2 HF			Halogen-free	Halogen-free marking sleeve in accordance with EN 45545-2 with a shrink ratio of 2:1	
WMS-OT HF			Oval tube Halogen-free	Halogen-free marking sleeve in oval design, non-shrinkable	
WMTB		Tag Binder		Markers for marking and bundling by means of assembly with cable ties	
WMTB HF			Halogen-free	Halogen-free markers for marking and bundling by means of assembly with cable ties	
WMTB HF-HP			Halogen-free High performance	Halogen-free markers for marking and bundling by means of assembly with cable ties in accordance with EN 45545-2 for the railway industry	
WMTB HF-D			Halogen-free Detectable	Halogen-free, detectable markers for marking and bundling by means of assembly with cable ties for the food industry	
Wire and cable identification: Marking solutions in sheet format					
UC-WMTB	Universal Card	Wire Marking	Tag Binder	Markers for marking and bundling by means of assembly with cable ties	 UV LED printing Plotter
UC-WMTBA			Tag Binder Angled	Angled markers for marking and bundling by means of assembly with cable ties	
UC-WMT			Tag	Markers for insertion into marking sleeves from the PATG (HF) / PATO… system	
UC-WMCO			Clip Open	Markers that are slid on using the UC-WMCO … TOOL	
UC-WMC			Clip	Markers for subsequent marking that are simply clipped on	
UC-WMTBA/PP			Tag Binder Angled Polypropylene	Angled markers made of highly durable polypropylene for assembly with cable ties in the food industry	 Direct laser marking
UC-WMTBA-D/PP			Tag Binder Angled Detectable Polypropylene	Angled, detectable markers made of highly durable polypropylene for assembly with cable ties in the food industry	
UCT-WMTBA	Universal Card thermal transfer		Tag Binder Angled	Angled markers for marking and bundling by means of assembly with cable ties	 Direct laser marking UV LED printing Thermal transfer printing
UCT-WMCO			Clip Open	Markers for subsequent marking that are simply clipped on	
UCT-WMS			Slide	Slide-on markers	
UCT-WMT			Tag	Markers for insertion into marking sleeves from the PATG (HF) / PATO… system	

Designation key: Wire and cable identification

Designation key						Technology
Wire and cable identification: Marking solutions in card format						
US-WML	Universal Sheet	Wire Marking	Label		Wrap-around labels with protective laminate for extra high durability	 UV LED printing Thermal transfer printing
US-WMTB			Tag Binder		Markers for marking and bundling by means of assembly with cable ties	
US-WMT			Tag		Markers for insertion into PATG / PATO marking sleeves	
Wire and cable identification: Marking solutions in sheet format						
LS-WMTB-AL	Laser Sheet	Wire Marking	Tag Binder	Alumi-num	Aluminum markers attached by means of assembly with cable ties	 Direct laser marking
LS-WMTB-V4A			Tag Binder	V4A	Stainless steel markers attached by means of assembly with cable ties	
WMTB-AL			Tag Binder	Alumi-num	Aluminum markers attached by means of assembly with cable ties	 UV LED printing
WML…A4			Label		Wrap-around labels with protective laminate for extra high durability in DIN A4 sheet format	 Office laser printing Plotter
ESL			Laser insert strip		Plastic labels in DIN A4 sheet format for the identification of KMK… marker carriers	
PABL					Markers for insertion into PATG / PATO marking sleeves	
Wire and cable identification: Marking solutions in cartridge format						
MM-WML	Mobile Marking	Wire Marking	Label		Wrap-around labels with protective laminate for extra high durability	 Thermal transfer printing
MM-WML-FLAG			Label	Flag	Self-adhesive labels suitable for double-sided printing with cable marking flags	
MM-WMTB			Tag Binder		Markers for marking and bundling by means of assembly with cable ties	
MM-WMTB HF			Tag Binder	Halogen-free	Halogen-free markers for marking and bundling by means of assembly with cable ties	
MM-WMT			Tag		Prepunched markers for threading on	
MM-WMS			Slide		Halogen-free marking sleeve in accordance with UL 224 and CSA 22.2 with a shrink ratio of 3:1	
MM-WMS-2			Slide		Halogen-free marking sleeve in accordance with EN 45545-2 with a shrink ratio of 2:1	
Wire and cable identification: Individual markers						
SD-WMTBS VA	Single Digit	Wire Marking	Tag Binder Slide	VA	Individual, embossed stainless steel marking sleeves for SD-WMTB (…X10) VA carriers for assembly with cable ties	
SD-WMTBS					Individual, printed plastic marking sleeves for SD-WMTB (70X10) or (100X10) carriers for assembly with cable ties	

Wire and cable identification

Marker carriers for wire and cable identification

								
Product group						**PATG...**	**PATG HF...**	**PATO...**
Product type						Marking sleeve	Marking sleeve	Marking sleeve
Mounting type						Slide on	Slide on	Clip on
Mounting type of the marking material						Insertion	Insertion	Insertion
Area of application						For sliding onto wires and cables that have not yet been wired	For sliding onto wires and cables that have not yet been wired	For subsequent marking of systems that have already been wired
Marking material product group	Compatible printing technology							
UCT-WMT		●	●	●		●	●	●
UC-WMT			●	●		●	●	●
US-WMT		●	●			●		●
US-EMP...		●	●					
US-EML...		●	●					
US-EMLF		●	●					
UCT-EMP...		●	●	●				
UC-EMLP...		●	●			●		●
WMTS...	●							
EMT...	●					●		●
EML...	●							
EMLP...	●							
LS-EMLP				●				
EMLC...	●							
ESL								

						
WM-CARRIER/B...	**KMK...**	**KMK UV...**	**LM...**	**KME...**	**PAB-KTL...**	**KMK HP...**
Marker carrier	Marker carrier	Marker carrier	Marker carrier	Marker carrier	Marker carrier	Marker carrier
Assembly with cable ties	Assembly with cable ties	Assembly with cable ties	Assembly with cable ties	Assembly with cable ties	Assembly with cable ties	Assembly with cable ties
Adhesive	Insertion	Insertion	Insertion	Insertion	Insertion	Insertion
For the identification and bundling of wires and cables	For the identification and bundling of wires and cables in indoor installations	For the durable identification of cables in outdoor installations due to extremely high UV and weather resistance	For the identification and bundling of wires and cables in indoor installations	For the identification and bundling of wires and cables in indoor installations	For the identification and bundling of wires and cables	For the identification and bundling of wires and cables in accordance with EN 45545-2 for the railway industry
						
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Marking materials for wire and cable identification

Cable markers in sheet format for marking sleeves

Type	Item no.	UC-WMT (15X4)	0819398
Technology			
Cable diameter		0.6 mm … 46 mm	
Lettering field size		15 x 4 mm	
Mounting type		Insert	
Material		PA	
Ambient temperature		-40°C … 120°C	

Additional versions

UC-WMT (12X4)	0823517
UC-WMT (18X4)	0820293
UC-WMT (23X4)	0819411
UC-WMT (30X4)	0819437

Type	Item no.	UCT-WMT (15X4)	0801446
Technology			
Cable diameter		0.6 mm … 50 mm	
Lettering field size		15 x 4 mm	
Mounting type		Insert	
Material		PC	
Ambient temperature		-40°C … 120°C	

Additional versions

UCT-WMT (10X4)	0801430
UCT-WMT (12X4)	0801438
UCT-WMT (18X4)	0801462
UCT-WMT (23X4)	0801453

Cable markers in sheet format for subsequent identification

Type	Item no.	UC-WMC 3,1 (15X4)	0818205
Technology			
Cable diameter		1.9 mm … 3.1 mm	
Lettering field size		15 x 4 mm	
Mounting type		Clip on	
Material		PA	
Ambient temperature		-40°C … 120°C	

Additional versions

UC-WMC 1,9 (15X4)	0828004
UC-WMC 3,1 (23X4)	0818218
UC-WMC 4,4 (15X5,5)	0818182
UC-WMC 7,5 (23X8)	0818179

Type	Item no.	UCT-WMCO 2,9 (12X4)	0830780
Technology			
Cable diameter		2 mm … 2.9 mm	
Lettering field size		12 x 4 mm	
Mounting type		Clip on	
Material		PC	
Ambient temperature		-40°C … 120°C	

Additional versions

UCT-WMCO 2,9 (18X4)	0830781
UCT-WMCO 3,5 (12X4)	0830782
UCT-WMCO 3,5 (18X4)	0830783
UCT-WMCO 4,1 (18X4)	0830785

Marking materials for wire and cable identification

Cable markers in sheet format for assembly with cable ties				Additional versions	
	Type	Item no.	UC-WMTB (44X15)	0828376	UC-WMTB (52X30) UC-WMTB (52X50)	5775288 5775289
	Technology					
	Cable diameter		>7 mm			
	Lettering field size		44 x 15 mm			
	Mounting type		Assembly with cable ties			
	Material		PA			
	Ambient temperature		-40°C … 120°C			
	Type	Item no.	UC-WMTBA (29X8)	0820183	UC-WMTBA (24X5) UC-WMTBA (60X11)	0820426 0820468
	Technology					
	Cable diameter		>6 mm			
	Lettering field size		29 x 8 mm			
	Mounting type		Assembly with cable ties			
	Material		PA			
	Ambient temperature		-40°C … 120°C			
	Type	Item no.	UC-WMTBA (24X5)/PP	1199627	UC-WMTBA (29X8)/PP	1199634
	Technology					
	Area of application		Food and beverage industry			
	Cable diameter		>4 mm			
	Lettering field size		24 x 5 mm			
	Mounting type		Assembly with cable ties			
	Material		PP			
	Ambient temperature		-30°C … 90°C			
	Type	Item no.	UC-WMTBA-D (24X5)/PP	1312764	UC-WMTBA-D (29X8)/PP UC-WMTBA-D (29X8)/PP LBU	1312767 1199650
	Technology					
	Product features		Detectable			
	Area of application		Food and beverage industry			
	Cable diameter		>4 mm			
	Lettering field size		24 x 5 mm			
	Mounting type		Assembly with cable ties			
	Material		PP			
	Ambient temperature		-30°C … 90°C			
	Type	Item no.	UCT-WMTBA (29X6)	1014084	UCT-WMTBA (24X4) UCT-WMTBA (40X17)	1014082 1014086
	Technology					
	Cable diameter		>6 mm			
	Lettering field size		29 x 6 mm			
	Mounting type		Assembly with cable ties			
	Material		PC			
	Ambient temperature		-40°C … 120°C			

Marking materials for wire and cable identification

Cable markers in sheet format

	Type / Item no.		Additional versions	
	Type	UCT-WMS 3,2 (12X4) 0828570	UCT-WMS 4,7 (12X5,5)	0828571
	Technology			
	Cable diameter	1.5 mm … 3.2 mm		
	Lettering field size	12 x 4 mm		
	Mounting type	Slide on		
	Material	PC V0		
	Ambient temperature	-40°C … 120°C		
	Type	UC-WMCO 2,9 (12X3,5) 0827148	UC-WMCO 2,1 (12X3)	0827120
	Technology		UC-WMCO 2,1 (21X3)	0827134
	Cable diameter	2.1 mm … 2.9 mm	UC-WMCO 3,6 (12X4,5)	0827176
	Lettering field size	12 x 3.5 mm	UC-WMCO 3,6 (21X4,5)	0827190
	Mounting type	Slide on		
	Material	PA		
	Ambient temperature	-40°C … 120°C		

Cable markers in card format

	Type / Item no.		Additional versions	
	Type	US-WML 14 (25X19) 0800473	US-WML 6 (13X13)	0800472
	Technology		US-WML 36 (25X25)	0800474
	Cable diameter	6 mm … 14 mm		
	Lettering field size	25 x 19 mm		
	Mounting type	Adhesive		
	Material	PVC		
	Ambient temperature	-40°C … 80°C		
	Type	US-WMTB (44X15) 0828773	US-WMTB (24X5)	0828771
	Technology		US-WMTB (29X8)	0828772
	Cable diameter	4 mm … 136 mm		
	Lettering field size	44 x 15 mm		
	Mounting type	Assembly with cable ties		
	Material	PVC		
	Ambient temperature	-30°C … 80°C		
	Type	US-WMT (15X4) 0828767	US-WMT (10X4)	0828765
	Technology		US-WMT (12X4)	0828766
	Cable diameter	0.6 mm … 50 mm	US-WMT (18X4)	0828768
	Lettering field size	15 x 4 mm	US-WMT (23X4)	0828769
	Mounting type	Slide on		
	Material	PVC		
	Ambient temperature	-30°C … 80°C		

Marking materials for wire and cable identification

Wire-wrap labels in roll format

Type	Item no.	WML 14 (25X19)R	0817536
Technology			
Cable diameter		6 mm … 14.2 mm	
Lettering field size		25 x 19 mm	
Mounting type		Adhesive	
Material		PVC	
Ambient temperature		-40°C … 80°C	

Additional versions

WML 3 (13X10)R	0800073
WML 5 (25X10)R	0817523
WML 6 (13X13)R	0816252
WML 7,5 (25X13)R	0800075
WML 12 (25X19)R	0800076
WML 22 (25X25)R	0800078
WML 36 (25X38)R	0817510
WML 46 (25X38)R	0800067

Type	Item no.	WML HF 7,5(25X13)R	0830816
Technology			
Cable diameter		4 mm … 7.6 mm	
Lettering field size		25 x 13 mm	
Mounting type		Adhesive	
Material		Polyethylene	
Ambient temperature		-40°C … 100°C	

Additional versions

WML HF 3(13X10)R	0830812
WML HF 5(25X10)R	0830814
WML HF 14(25X19)R	0830818
WML HF 22(25X25)R	0830820
WML HF 36(25X38)R	0830822

Cable marking flags in roll format

Type	Item no.	WML-FLAG 6 (30X10)R	0830712
Technology			
Cable diameter		≤6 mm	
Lettering field size		30 x 10 mm	
Mounting type		Adhesive	
Material		Polyolefin	
Ambient temperature		-40°C … 60°C	

Additional versions

WML-FLAG 6 (20X10)R	0830711

Type	Item no.	WML-FLAGV 6 (30X10)R	0830714
Technology			
Cable diameter		≤6 mm	
Lettering field size		30 x 10 mm	
Mounting type		Adhesive	
Material		Polyolefin	
Ambient temperature		-40°C … 60°C	

Additional versions

WML-FLAGV 6 (20X10)R	0830713

Marking materials for wire and cable identification

Cable markers in roll format for marking sleeves				Additional versions	
	Type	Item no.	WMT 2,4 (15X4)R	0816281	WMT 3,5 (15X5)R WMT 4,2 (15X6)R WMT 5,5 (15X8)R WMT 8,4 (17X10)R	0817222 0817235 0817248 0817251
	Technology					
	Cable diameter		1 mm … 2.4 mm			
	Lettering field size		15 x 4.2 mm			
	Mounting type		Slide on			
	Material		Polyester			
	Ambient temperature		-40°C … 120°C			
	Type	Item no.	WMT (15X4)RL	1080099	WMT (18X4)RL WMT (23X4)RL	1099186 1099187
	Technology					
	Cable diameter		0.6 mm … 45 mm			
	Lettering field size		15 x 4 mm			
	Mounting type		Insert			
	Material		PVC			
	Ambient temperature		-30°C … 80°C			
	Type	Item no.	WMTS (15X4)R	1352325	WMTS (15X4)R YE WMTS (18X4)R WMTS (18X4)R YE WMTS (23X4)R WMTS (23X4)R YE	1352329 1352326 1352330 1352327 1352331
	Technology					
	Cable diameter		0.6 mm … 45 mm			
	Lettering field size		15 x 4 mm			
	Mounting type		Insert			
	Material		PET			
	Ambient temperature		-25°C … 80°C			
	Type	Item no.	EMT (15X4)R	0817329	EMT (10X4)R EMT (15X4)R YE EMT (23X4)R EMT (23X4)R YE	0816235 0817358 0817361 0817374
	Technology					
	Cable diameter		0.6 mm … 50 mm			
	Lettering field size		15 x 4 mm			
	Mounting type		Insert			
	Material		Polyester			
	Ambient temperature		-40°C … 120°C			
	Type	Item no.	EMT (25X6)R	0817264	EMT (29X8)R EMT (40X17)R EMT (60X15)R	0817277 0817293 0801846
	Technology					
	Cable diameter		10 mm … 25 mm			
	Lettering field size		25 x 6 mm			
	Mounting type		Insert			
	Material		Polyester			
	Ambient temperature		-40°C … 120°C			

Marking materials for wire and cable identification

Cable markers in roll format for assembly with cable ties					Additional versions	
	Type	Item no.	WMTB (24X8)R	0816278	WMTB (35X15)R	0817316
	Technology					
	Cable diameter		≥6 mm			
	Lettering field size		24 x 8 mm			
	Mounting type		Assembly with cable ties			
	Material		Polyester			
	Ambient temperature		-40°C … 120°C			
	Type	Item no.	WMTB HF (40X12)R	0830407	WMTB HF (30X10)R WMTB HF (40X18)R WMTB HF (55X15)R WMTB HF (55X25)R	1369826 1369832 0830409 0830411
	Technology					
	Cable diameter		≥6 mm			
	Lettering field size		40 x 12 mm			
	Mounting type		Assembly with cable ties			
	Material		PUR			
	Ambient temperature		-25°C … 100°C			
	Type	Item no.	WMTB HF-HP (40X12)R	1523619	WMTB HF-HP (40X12)R BK WMTB HF-HP (40X12)R BU WMTB HF-HP (40X12)R GN WMTB HF-HP (40X12)R OG WMTB HF-HP (40X12)R YE WMTB HF-HP (40X12)R RD WMTB HF-HP (55X15)R WMTB HF-HP (55X15)R YE	1525870 1525866 1525867 1525868 1523621 1525865 1523622 1523623
	Technology					
	Area of application		Railway industry			
	Cable diameter		≥6 mm			
	Lettering field size		40 x 12 mm			
	Mounting type		Assembly with cable ties			
	Material		Polyolefin			
	Ambient temperature		-55°C … 105°C			
	Type	Item no.	WMTB HF-D (30X10)R BU	1255591	WMTB HF-D (40X12)R BU	1255595
	Technology					
	Product features		Detectable			
	Area of application		Food and beverage industry			
	Cable diameter		≥6 mm			
	Lettering field size		30 x 10 mm			
	Mounting type		Assembly with cable ties			
	Material		TPU			
	Ambient temperature		-25°C … 105°C			

Marking materials for wire and cable identification

Marking sleeve in roll format

Type	Item no.	WMS 4,8 (30X9)R	0800375
Technology			
Cable diameter		1.6 mm … 4.8 mm	
Lettering field size		30 x 9 mm	
Shrink rate		3:1	
Mounting type		Slide on	
Material		Polyolefin	
Ambient temperature		-55°C … 125°C	

Additional versions

WMS 3,2 (30X5)RL	0800387
WMS 3,2 (EX5)R	0800290
WMS 4,8 (EX9)R	0800291
WMS 6,4 (30X10)R	0800376

Type	Item no.	WMS-2 HF 3,2 (30X5)RL	0801011
Technology			
Area of application		Railway industry	
Cable diameter		1.5 mm … 3.2 mm	
Lettering field size		30 x 5 mm	
Shrink rate		2:1	
Mounting type		Slide on	
Material		Polyolefin	
Ambient temperature		-30°C … 105°C	

Additional versions

WMS-2 HF 3,2 (EX5)RL	0803903
WMS-2 HF 4,8 (30X9)RL	0801016
WMS-2 HF 4,8 (EX9)RL	0803904
WMS-2 HF 6,4 (30X10)RL	0801022

Type	Item no.	WMS-OT HF 2,4 (EX4)R	1163127
Technology			
Cable diameter		1 mm … 2.4 mm	
Lettering field size		4 x 30000 mm	
Mounting type		Slide on	
Material		Polyolefin	
Ambient temperature		-30°C … 125°C	

Additional versions

WMS-OT HF 3,2 (EX5)R	1044236
WMS-OT HF 3,2 (EX5)R YE	1044239
WMS-OT HF 4,8 (EX9)R	1044243
WMS-OT HF 4,8 (EX9)R YE	1044245

Metal cable markers for assembly with cable ties

Type	Item no.	WMTB-AL (40X15)	0830524
Technology			
Cable diameter		>4.6 mm	
Lettering field size		40 x 15 mm	
Mounting type		Assembly with cable ties	
Material		Aluminum	
Ambient temperature		-25°C … 120°C	

Additional versions

WMTB-AL (29X8)	0830805
WMTB-AL (60X15)	0830525
WMTB-AL (D30)	0830804

Type	Item no.	LS-WMTB-AL (29X8)	0831500
Technology			
Cable diameter		>2.9 mm	
Lettering field size		29 x 8 mm	
Mounting type		Assembly with cable ties	
Material		Aluminum	
Ambient temperature		-25°C … 120°C	

Additional versions

LS-WMTB-AL (40X15)	0831501
LS-WMTB-AL (60X15)	0831502
LS-WMTB-AL (D25)	0831504
LS-WMTB-AL (D30)	0831505

Marking materials for wire and cable identification

Metal cable markers for assembly with cable ties				Additional versions
	Type	Item no.	LS-WMTB-V4A (60X15) 0831518	LS-WMTB-V4A (29X8) 0831516 LS-WMTB-V4A (40X15) 0831517 LS-WMTB-V4A (100X15) 0831519 LS-WMTB-V4A (D30) 0831521
	Technology			
	Cable diameter		>4.6 mm	
	Lettering field size		60 x 15 mm	
	Mounting type		Assembly with cable ties	
	Material		V4A (1.4404; AISI 316L)	
	Ambient temperature		-80°C … 350°C	

Cable markers in cartridge format				Additional versions
	Type	Item no.	MM-WML 5 (24X10)R C1 WH/BK 1116196	MM-WML 7,5 (24X13)R C1 WH/BK 1116198 MM-WML 14 (24X19)R C1 WH/BK 1116146 MM-WML 5 (EX10)R C1 WH/BK 0803932 MM-WML 5 (EX10)R C1 YE/BK 1116138
	Technology			
	Cable diameter		2 mm … 5 mm	
	Lettering field size		22 x 9.5 mm	
	Mounting type		Adhesive	
	Material		Vinyl polymer	
	Ambient temperature		-40°C … 80°C	
	Type	Item no.	MM-WML-FLAG 6 (20X10)R C1 WH/BK 1116143	MM-WML-FLAGV 6 (20X10)R C1 WH/BK 1116190
	Technology			
	Cable diameter		1 mm … 6 mm	
	Lettering field size		20 x 10 mm	
	Mounting type		Adhesive	
	Material		Polyolefin	
	Ambient temperature		-40°C … 60°C	
	Type	Item no.	MM-WMS 3,2 (EX5)R C1 WH/BK 0803923	MM-WMS 3,2 (EX5)R C1 YE/BK 1116139 MM-WMS 4,8 (EX9)R C1 WH/BK 0803924 MM-WMS 4,8 (EX9)R C1 YE/BK 1116140 MM-WMS 6,4 (EX10)R C1 WH/BK 0803925
	Technology			
	Cable diameter		1 mm … 3.2 mm	
	Lettering field size		Continuous x 3.1 mm	
	Mounting type		Slide on	
	Material		Polyolefin	
	Ambient temperature		-55°C … 125°C	
	Type	Item no.	MM-WMS-2 3,2 (EX5)R C1 WH/BK 0803927	MM-WMS-2 3,2 (EX5)R C1 YE/BK 1116176 MM-WMS-2 4,8 (EX9)R C1 WH/BK 0803928 MM-WMS-2 4,8 (EX9)R C1 YE/BK 1116186 MM-WMS-2 6,4 (EX10)R C1 WH/BK 0803929
	Technology			
	Cable diameter		1.6 mm … 3.2 mm	
	Lettering field size		Continuous x 3.7 mm	
	Mounting type		Slide on	
	Material		Polyolefin	
	Ambient temperature		-55°C … 125°C	

Marking materials for wire and cable identification

Cable markers in cartridge format

			Additional versions
	Type / Item no.	MM-WMTB HF (40X12)R C1 WH/BK 1116166	MM-WMTB HF (40X12)R C1 YE/BK 1116206 MM-WMTB HF (55X15)R C1 WH/BK 1116207 MM-WMTB HF (55X15)R C1 YE/BK 1116208 MM-WMTB HF (55X25)R C1 WH/BK 1116209
	Technology	
	Cable diameter	6 mm … 115 mm
	Lettering field size	40 x 8.5 mm
	Mounting type	Assembly with cable ties
	Material	PUR
	Ambient temperature	-25°C … 80°C
	Type / Item no.	MM-WMTB (24X8)R C1 WH/BK 1116145	
	Technology	
	Cable diameter	6 mm … 115 mm
	Lettering field size	20 x 7 mm
	Mounting type	Assembly with cable ties
	Material	Polyester
	Ambient temperature	-40°C … 120°C
	Type / Item no.	MM-WMT 2,4 (15X4)R C1 WH/BK 1116144	MM-WMT 3,5 (15X5)R C1 WH/BK 1116191 MM-WMT 4,2 (15X6)R C1 WH/BK 1116192 MM-WMT 5,5 (15X8)R C1 WH/BK 1116193 MM-WMT 8,4 (17X10)R C1 WH/BK 1116194
	Technology	
	Cable diameter	1 mm … 2.4 mm
	Lettering field size	14.1 x 3.2 mm
	Mounting type	Slide on
	Material	Polyester
	Ambient temperature	-40°C … 120°C

Cable markers for office printing systems

			Additional versions
	Type / Item no.	WML 7,5 (25X13)A4 0830691	WML 3 (13X10)A4 0830687 WML 5 (25X10)A4 0830689 WML 14 (25X19)A4 0830693 WML 22 (35X25)A4 0830695 WML 36 (25X38)A4 0830697
	Technology	
	Cable diameter	4 mm … 7.5 mm
	Lettering field size	25 x 13 mm
	Mounting type	Adhesive
	Material	Polyester
	Ambient temperature	-40°C … 150°C
	Type / Item no.	ESL (25X6) 0801849	ESL 24X4 0808231 ESL 29X8 0808257 ESL 40X17 0808095 ESL (60X15) 0801851
	Technology	
	Lettering field size	25 x 6 mm
	Mounting type	Insert
	Material	Polyester foil
	Ambient temperature	-40°C … 100°C

Marking materials for wire and cable identification

Cable markers for office printing systems				Additional versions	
	Type	Item no.	PABL 15X4	0808260	PABL 23X4 0809447
	Technology				
	Cable diameter		0.6 mm … 50 mm		
	Lettering field size		15 x 4 mm		
	Mounting type		Insert		
	Material		Polyester		
	Ambient temperature		-40°C … 100°C		

Further solutions for wire and cable identification				Additional versions	
	Type	Item no.	SD-WMTBS (NEUTRAL) CC	0826637	SD-WMTBS (CH) YE 0826611 SD-WMTBS (NU) CC 0826527 SD-WMTBS (S) YE 0826514 SD-WMTBS (SY) YE 0826624
	Cable diameter		>16 mm		
	Lettering field size		4.3 x 2.6 mm		
	Mounting type		Slide on		
	Material		PVC		
	Ambient temperature		-30°C … 60°C		
	Type	Item no.	SD-WMTB (70X10)	0826530	SD-WMTB (100X10) 0826543
	Cable diameter		>16 mm		
	Lettering field size		70 x 10 mm		
	Mounting type		Assembly with cable ties		
	Material		PVC		
	Ambient temperature		-30°C … 70°C		
	Type	Item no.	SD-WMTBS (NEUTRAL) VA	0826666	SD-WMTBS (CH) VA 0826640 SD-WMTBS (NU) VA 0826556 SD-WMTBS (SY) VA 0826653
	Cable diameter		1 mm … 63 mm		
	Lettering field size		5.5 x 4 mm		
	Mounting type		Slide on		
	Material		Stainless steel		
	Ambient temperature		-80°C … 400°C		
	Type	Item no.	SD-WMTB (30X10) VA	0826569	SD-WMTB (70X10) VA 0826585 SD-WMTB (92X10) VA 0826598
	Cable diameter		>16 mm		
	Lettering field size		30 x 10 mm		
	Mounting type		Assembly with cable ties		
	Material		Stainless steel		
	Ambient temperature		-80°C … 400°C		

Marking materials for wire and cable identification

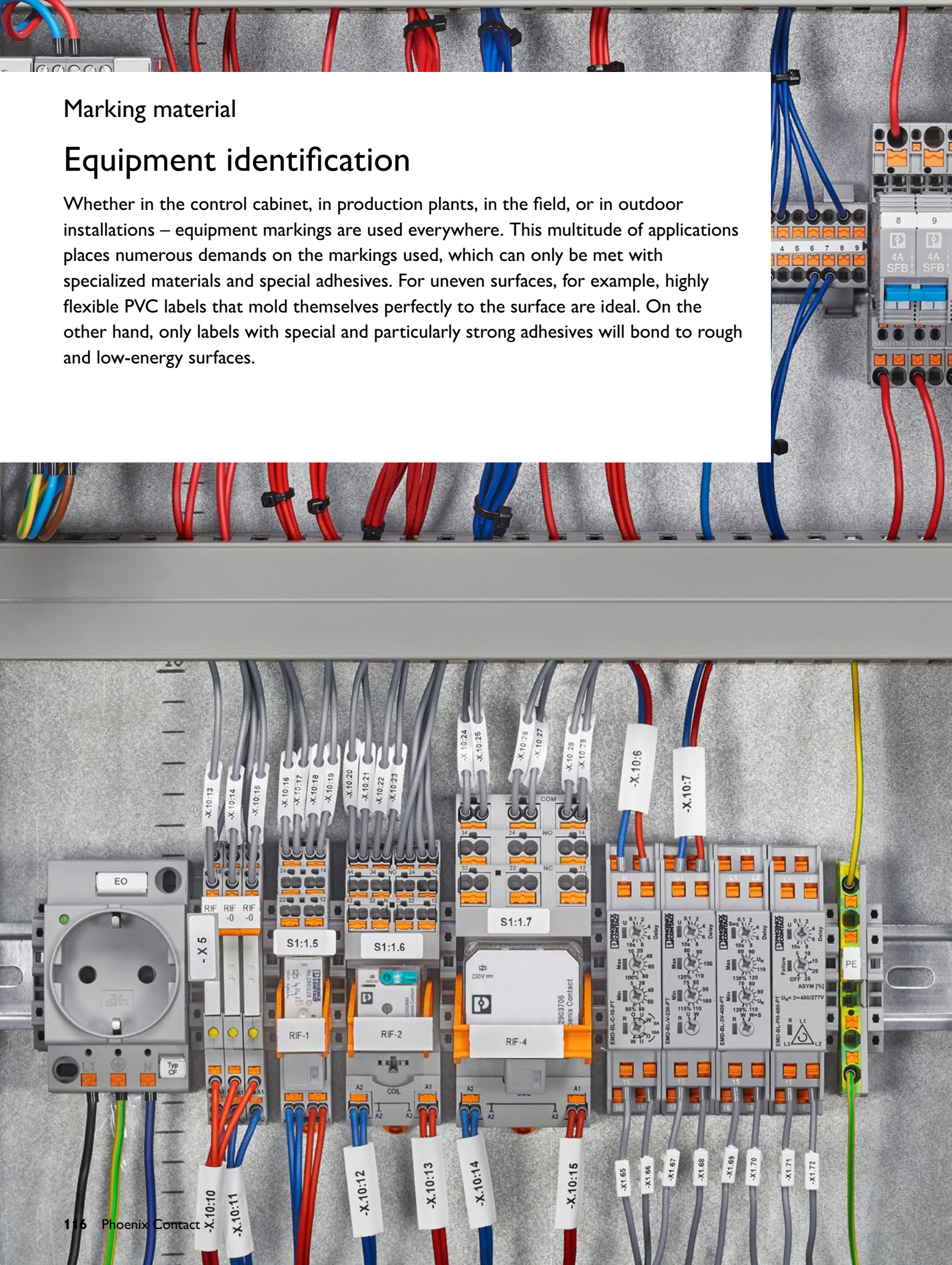
Marker carriers and marking sleeves				Additional versions	
	Type	Item no.	PATG 1/15	1013025	PATG 2/15 1013038 PATG 3/15 1013041 PATG 1/18 0820510 PATG 2/18 0820523 PATG 3/18 0820536 PATG 1/23 1013847 PATG 2/23 1013850 PATG 3/23 1013863
	Lettering field size		15 x 4 mm		
	Mounting type		Slide on		
	Material		PVC		
	Ambient temperature		-50°C … 80°C		
	Type	Item no.	PATG HF 1/15	1014046	PATG HF 2/15 1014052 PATG HF 3/15 1014058 PATG HF 4/15 1014064 PATG HF 1/18 1014047 PATG HF 2/18 1014053 PATG HF 3/18 1014059 PATG HF 4/23 1014066
	Area of application		Railway industry		
	Lettering field size		15 x 4 mm		
	Mounting type		Slide on		
	Material		TPU		
	Ambient temperature		-40°C … 85°C		
	Type	Item no.	PATO 1/15	1013119	PATO 2/15 1013122 PATO 3/15 1013135 PATO 4/15 1013148 PATO 1/18 0823740 PATO 2/18 0823753 PATO 1/23 1013892 PATO 2/23 1013902
	Lettering field size		4 x 15 mm		
	Mounting type		Clip on		
	Material		PVC		
	Ambient temperature		-50°C … 80°C		
	Type	Item no.	WM-CARRIER/B (55X15)LPR	0830424	WM-CARRIER/B (48X10)LPR 0830423 WM-CARRIER/B (85X15)LPR 0830425
	Lettering field size		55 x 15 mm		
	Mounting type		Assembly with cable ties		
	Material		Polyester		
	Ambient temperature		-10°C … 60°C		
	Type	Item no.	KMK	1005208	
	Lettering field size		29 x 8 mm		
	Mounting type		Assembly with cable ties		
	Material		Polyethylene		
	Ambient temperature		-40°C … 80°C		
	Type	Item no.	KMK UV (29X8)	1014107	KMK UV (25X6) 1014106 KMK UV (40X17) 1014109 KMK UV (60X15) 1014108
	Area of application		Outdoors		
	Lettering field size		29 x 8 mm		
	Mounting type		Assembly with cable ties		
	Material		PA		
	Ambient temperature		-40°C … 100°C		

Marking materials for wire and cable identification

Marker carriers and marking sleeves					Additional versions	
	Type	Item no.	KMK HP (29X8)	0830721	KMK HP (60X15) KMK HP (40X17) KMK HP (25X6)	0830722 0830723 0830720
	Area of application		Railway industry			
	Lettering field size		29 x 8 mm			
	Mounting type		Assembly with cable ties			
	Material		PC			
	Ambient temperature		-40°C … 125°C			
	Type	Item no.	KMK 2	1005266	KMK 1 KMK 3 KMK 4 KMK 5	0830745 1005211 1005305 0830746
	Lettering field size		29 x 8 mm			
	Mounting type		Assembly with cable ties			
	Material		Polyethylene			
	Ambient temperature		-40°C … 80°C			
	Type	Item no.	LM	1004377		
	Lettering field size		24 x 4 mm			
	Mounting type		Assembly with cable ties			
	Material		PA			
	Ambient temperature		-40°C … 100°C			
	Type	Item no.	KME	0807083		
	Lettering field size		20 x 8 mm			
	Mounting type		Assembly with cable ties			
	Material		PA			
	Ambient temperature		-40°C … 100°C			
	Type	Item no.	PAB-KTL 23	1013957	PAB-KTL	1013261
	Lettering field size		23 x 4 mm			
	Mounting type		Assembly with cable ties			
	Material		PVC			
	Ambient temperature		-50°C … 80°C			
	Type	Item no.	PKT 9X20	0803977		
	Lettering field size		9 x 20 mm			
	Mounting type		Assembly with cable ties			
	Material		PVC			
	Ambient temperature		-50°C … 80°C			

Equipment identification

Whether in the control cabinet, in production plants, in the field, or in outdoor installations – equipment markings are used everywhere. This multitude of applications places numerous demands on the markings used, which can only be met with specialized materials and special adhesives. For uneven surfaces, for example, highly flexible PVC labels that mold themselves perfectly to the surface are ideal. On the other hand, only labels with special and particularly strong adhesives will bond to rough and low-energy surfaces.



Designation key: Equipment identification

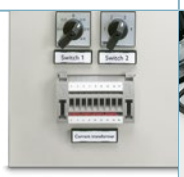
					Technology
Equipment identification: Marking solutions in roll format					
EML	Equipment Marking	Label		Self-adhesive, flexible labels	 Thermal transfer printing
EMLP			Plate	Self-adhesive labels	
EMLF			Flexible	Highly flexible labels for uneven surfaces	
EMLC			Cloth	Fabric labels with low restoring forces enabling the label to be adhered over edges and curves	
EMLS			Security	Safety labels with special adhesive	
EML-RM			Removable	Removable labels for temporary identification in logistics processes	
EML-HT			High Temperature	Labels with very high temperature resistance for special manufacturing processes	
EML-LT			Low Temperature	Labels for the identification of components in refrigerated and frozen environments	
EML-EX			Extreme	Labels with very high resistance to chemicals for applications in the process industry	
EML-HA			High adhesive	Labels with high adhesive strength for rough, textured, and low-energy surfaces	
EML-ESD			Electrostatic discharge	Labels with adhesive that dissipates static electricity, thus preventing the transmission of electrostatic voltages	
EML-D			Detectable	Detectable labels for the food and beverage industry	
EML-LPR			Label Protection	Labels with transparent protective laminate for maximum resistance against external influences	
EML-LPR-D			Label Protection Detectable	Detectable labels with transparent protective laminate	
EML-RS			Rotary switch	Labels for the identification of rotary switches	
EMT		Tag		Insert labels for the identification of KMK… marker carriers and Siemens controllers	
Equipment identification: Marking solutions in sheet format					
UC-EM	Universal Card	Equipment Marking		Snap-in labels for the identification of components with marking groove	 UV LED printing Plotter
UC-EMP			Plate	Snap-in labels for the identification of CARRIER-EMP… marker carriers	
UC-EMSP			Screw Plate	Plastic labels attached with screws or rivets	
UC-EMLP			Label Plate	Self-adhesive plastic labels	
UCT-EM	Universal Card thermal transfer			Snap-in labels for the identification of components with marking groove	 Direct laser marking UV LED printing Thermal transfer printing
UCT-EMP			Plate	Snap-in labels for the identification of CARRIER-EMP… marker carriers	
UCT-EMLP			Label Plate	Self-adhesive plastic labels	
UCT-EMNP			Nail Plate	Insert labels for the identification of the Festo CPX-AP-I automation system	

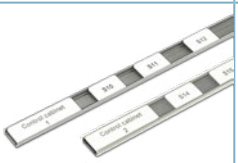
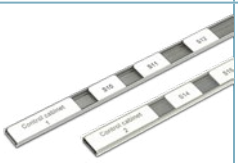
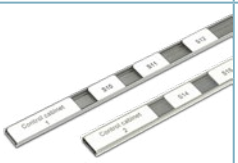
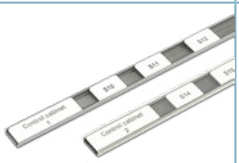
Designation key: Equipment identification

Designation key					Technology
Equipment identification: Marking solutions in card format					
US-EML	Universal Sheet	Equipment Marking	Label	Self-adhesive, flexible labels	 UV LED printing Thermal transfer printing
US-EMLF			Label Flexible	Highly flexible labels for uneven surfaces	
US-EMLP			Label Plate	Self-adhesive plastic labels	
US-EMLP-HA			Label Plate – High adhesive	Self-adhesive plastic labels with high adhesive strength for rough, textured, and low-energy surfaces	
US-EMLSP			Label Screw Plate	Plastic labels that are stuck on or attached with screws or rivets	
US-EML-RS			Label – Rotary switch	Labels for the identification of rotary switches	
US-EMP			Plate	Snap-in labels for the identification of CARRIER-EMP… marker carriers	
US-EMSP			Screw Plate	Plastic labels attached with screws or rivets	
US-EMT			Tag	Insert labels for the identification of KMK… marker carriers and Siemens controllers	
Equipment identification: Marking solutions in sheet format					
LS-EML	Laser Sheet	Equipment Marking	Label	Self-adhesive, flexible labels	 Direct laser marking
LS-EMLP-AL			Label Plate – Aluminum	Self-adhesive aluminum labels	
LS-EMLP-V4A			Label Plate – V4A	Self-adhesive stainless steel labels	
LS-EMLP			Label Plate	Self-adhesive plastic labels	
LS-EMP-AL			Plate – Aluminum	Aluminum labels for latching into marker carriers	
LS-EMLSP			Label Screw Plate	Plastic labels that are stuck on or attached with screws or rivets	
LS-EMSP-AL			Screw Plate – Aluminum	Aluminum labels attached with screws or rivets	
LS-EMSP-V4A			Screw Plate – V4A	Stainless steel labels attached with screws or rivets	
ESL			Insert strips Laser	Plastic labels in DIN A4 sheet format for the identification of KMK… marker carriers	 Office laser printing Plotter
BMKL				Self-adhesive labels for equipment identification in DIN A4 sheet format	
Equipment identification: Marking solutions in cartridge format					
MM-EML	Mobile Marking	Equipment Marking	Label	Self-adhesive, flexible labels	 Thermal transfer printing
MM-EMLF			Label Flexible	Highly flexible labels for uneven surfaces	
MM-EMLC			Label Cloth	Fabric labels with low restoring forces enabling the label to be adhered over edges and curves	
MM-EMT			Tag	Insert labels for the identification of KMK… marker carriers and Siemens controllers	
Equipment identification: Individual labels					
EMP-AL	Equipment Marking		Plate – Aluminum	Aluminum labels for snapping into CARRIER-EMP… marker carriers	 UV LED printing
EMSP-AL			Screw Plate – Aluminum	Aluminum labels attached with screws or rivets	
EMLP-AL			Label Plate – Aluminum	Self-adhesive aluminum labels	

Equipment identification

Marker carriers for equipment identification

								
Product group						**CARRIER-EMP...**	**CARRIER-EMP 22...**	**CARRIER-EMLP 22...**
Product type						Marker carrier	Marker carrier	Marker carrier
Mounting type						Screws, rivets	Screws, rivets	Screws, rivets
Mounting type of the marking material						Insertion	Insertion	Adhesive
Area of application						Equipment and control cabinets	Can be used for all buttons and switches, diameter: 22 mm	Can be used for all buttons and switches, diameter: 22 mm
Marking material product group	Compatible printing technology							
UCT-TM...		●	●	●				
UCT-TMF...		●	●	●				
US-TMF...		●	●					
ZB					●			
ZBF...					●			
TMT...	●							
UCT-WMT		●	●	●				
UC-WMT			●	●				
US-WMT		●	●					
US-EMP...		●	●			●	●	
US-EMLP...		●	●					●
UC-EM...			●	●				
UC-EMP...			●	●		●	●	
UCT-EMP...		●	●	●				
UC-EMLP...			●	●				●
EMT...	●							
EML...	●							●
EMP-AL...	●					●	●	
LS-EMP-AL...				●		●	●	
EMLP...	●							●
EMLP-AL...	●							●
LS-EMLP				●				●
SS-ZB					●			

					
PAB-SK...	**P-SS-ZB 100**	**P-ZB METER**	**CARRIER-EMP...**	**CARRIER/L-EMP...**	**CARRIER/L-EMP... COVER**
Marker carrier	Zack marker strip carrier	Zack marker strip carrier	Marker carrier	Marker carrier	Cover
Adhesive	Adhesive	Adhesive	Screws, rivets	Adhesive	Latching
Insertion	Insertion	Insertion	Insertion	Insertion	/
Self-adhesive marker carriers for equipment and component identification	Self-adhesive zack marker strip carriers for equipment and component identification, by the meter for cutting to length	Self-adhesive zack marker strip carriers, by the meter for cutting to length	Marker carriers for screwing or riveting for equipment and component identification	Self-adhesive marker carrier for holding UC, US, LS, and EMT material	For CARRIER/EMP... + CARRIER/L-EMP...
					
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Marking materials for equipment identification

Device markers in sheet format				Additional versions	
	Type	Item no.	UC-EM (20X9)	0825503	UC-EM (17,5X8) UC-EM (17,5X9) UC-EM (19X9) UC-EM (20X7)	0823766 0827490 0827492 0825499
	Technology					
	Lettering field size		20 x 9 mm			
	Mounting type		Latching			
	Material		PA			
	Ambient temperature		-40°C … 120°C			
	Type	Item no.	UC-EMP (27X18)	0825445	UC-EMP (17X15) UC-EMP (27X8) UC-EMP (27X15) UC-EMP (49X15)	0825421 0825427 0825439 0825457
	Technology					
	Lettering field size		27 x 18 mm			
	Mounting type		Latching			
	Material		PA			
	Ambient temperature		-40°C … 120°C			
	Type	Item no.	UC-EMSP (50X30)	0828709	UC-EMSP (50X15)	0828706
	Technology					
	Lettering field size		50 x 30 mm			
	Mounting type		Screw, rivet			
	Material		PA			
	Ambient temperature		-40°C … 120°C			
	Type	Item no.	UC-EMLP (20X8)	0819327	UC-EMLP (17X9)	0819314
	Technology					
	Lettering field size		20 x 8 mm			
	Mounting type		Adhesive			
	Material		PA			
	Ambient temperature		-40°C … 120°C			
	Type	Item no.	UC-EMLP (60X30)-EX	0803228	UC-EMLP (27X27)-EX UC-EMLP (49X15)-EX	0803226 0803227
	Technology					
	Lettering field size		60 x 30 mm			
	Mounting type		Adhesive			
	Material		PA			
	Ambient temperature		-40°C … 90°C			
	Type	Item no.	UCT-EM (20X9)	0801471	UCT-EM (12X7) UCT-EM (15X10) UCT-EM (17X9)	0801501 0801504 0801475
	Technology					
	Lettering field size		20 x 9 mm			
	Mounting type		Latching			
	Material		PC			
	Ambient temperature		-40°C … 120°C			

Marking materials for equipment identification

Device markers in sheet format

			Additional versions	
	Type	UCT-EMNP (12,5X6)		
	Item no.	1025150		
	Technology			
	Area of application	Festo: CPX-AP-I automation system		
	Lettering field size	12.5 x 6 mm		
	Mounting type	Plug in		
	Material	PC		
	Ambient temperature	-40°C … 120°C		
	Type	UCT-EMP (29X8)	UCT-EMP (25X6) UCT-EMP (35X9) UCT-EMP (40X17) UCT-EMP (60X15)	1014117 1058145 1014120 1014119
	Item no.	1014118		
	Technology			
	Lettering field size	29 x 8 mm		
	Mounting type	Insert		
	Material	PC		
	Ambient temperature	-40°C … 120°C		

Markers for end brackets

			Additional versions	
	Type	UCT-EM (30X5)	UCT-EM (30X5) YE	0830340
	Item no.	0801505		
	Technology			
	Area of application	CLIPFIX 35-5... end bracket		
	Lettering field size	30 x 5 mm		
	Mounting type	Latching		
	Material	PC		
	Ambient temperature	-40°C … 120°C		

Device markers in card format

			Additional versions	
	Type	US-EML (17,5X8)	US-EML (15X6) US-EML (15X9) US-EML (20X8) US-EML (104X140)	0803816 0803811 0800458 0800465
	Item no.	0800461		
	Technology			
	Lettering field size	17.5 x 8 mm		
	Mounting type	Adhesive		
	Material	Polyester		
	Ambient temperature	-40°C … 150°C		
	Type	US-EMLF (104X70)	US-EMLF (104X140) US-EMLF (D39)	1014291 0803845
	Item no.	1014294		
	Technology			
	Area of application	Combi labels		
	Lettering field size	104 x 70 mm		
	Mounting type	Adhesive		
	Material	PVC		
	Ambient temperature	-40°C … 90°C		

Marking materials for equipment identification

Device markers in card format				Additional versions	
	Type	Item no.	US-EMT (23X109)	0803858	US-EMT (13X109) 0803862 US-EMT (31X12,5) 0803848 US-EMT (50/28X13) 0803853 US-EMT (103X23) 0803856
	Technology				
	Lettering field size		23 x 109 mm		
	Mounting type		Latching		
	Material		Polyester		
	Ambient temperature		-40°C … 120°C		
	Type	Item no.	US-EMLP (85,6X54)	0828806	US-EMLP (17X7) 0828792 US-EMLP (20X9) 0828795 US-EMLP (49X15) 0828803 US-EMLP (60X30) 0828805
	Technology				
	Lettering field size		85.6 x 54 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-30°C … 80°C		
	Type	Item no.	US-EMLP-HA (85,6X54)	0830992	US-EMLP-HA (17X7) 0830988 US-EMLP-HA (20X9) 0830989 US-EMLP-HA (60X30) 0830990 US-EMLP-HA 24 (30X18/8) 0803876
	Technology				
	Product features		Highly adhesive		
	Lettering field size		85.6 x 54 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-30°C … 80°C		
	Type	Item no.	US-EMLSP (28X10)	0830343	
	Technology				
	Lettering field size		28 x 10 mm		
	Mounting type		Adhesive, screw, rivet		
	Material		PVC		
	Ambient temperature		-30°C … 80°C		
	Type	Item no.	US-EMP (27X18)	0828778	US-EMP (27X15) 0828777 US-EMP (29X8) 0829436 US-EMP (44X7) 0829438 US-EMP (49X15) 0828780
	Technology				
	Lettering field size		27 x 18 mm		
	Mounting type		Latching		
	Material		PVC		
	Ambient temperature		-30°C … 80°C		
	Type	Item no.	US-EMSP (75,6X54)	0828787	US-EMSP(46X30) 0804490 US-EMSP (50X30) 0828786 US-EMSP (90X60) 0828788
	Technology				
	Lettering field size		75.6 x 54 mm		
	Mounting type		Screw, rivet		
	Material		PVC		
	Ambient temperature		-30°C … 80°C		

Marking materials for equipment identification

Self-adhesive device markers in roll format				Additional versions	
	Type	Item no.	EML (20X8)R YE	0816799	EML (16,5X5)R 0816702 EML (25,4X12,7)R 0816825 EML (70X50)R 0817099 EML (100X73)R 0817125
	Technology				
	Lettering field size		20 x 8 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 150°C		
	Type	Item no.	EMLF (108XE)R YE	0800550	EMLF (108XE)R 0800549 EMLF (108XE)R OG 0804199 EMLF (108XE)R RD 0804198 EMLF (108XE)R SR 0800551
	Technology				
	Product features		Low restoring force		
	Lettering field size		108 x 48000 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 90°C		
	Type	Item no.	EMLC (20X8)R YE	0800235	EMLC (5,5X40)R 0817620 EMLC (15X9)R 0804527 EMLC (17,5X8)R 0804528 EMLC (25,4X12,7)R YE 0800238
	Technology				
	Product features		Low restoring force		
	Lettering field size		20 x 8 mm		
	Mounting type		Adhesive		
	Material		PA		
	Ambient temperature		0°C … 125°C		

Self-adhesive device markers for the food and beverage industry				Additional versions	
	Type	Item no.	EML-LPR (100X73)R SR	1090082	EML-LPR (70X32)R SR 1090079 EML-LPR (70X50)R SR 1090080 EML-LPR (85,6X54)R SR 1090081
	Technology				
	Product features		With protective laminate		
	Lettering field size		100 x 73 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 150°C		
	Type	Item no.	EML-LPR-D (85,6X54)R SR	1255579	EML-LPR-D (85,6X54)R YE 1255580 EML-LPR-D (85,6X54)R RD 1255581 EML-LPR-D (100X73)R SR 1255582 EML-LPR-D (100X73)R YE 1255583 EML-LPR-D (100X73)R RD 1255584
	Technology				
	Product features		Detectable, with protective laminate		
	Lettering field size		85.6 x 54 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 100°C		
	Type	Item no.	EML-D (40X15)R SR	1054877	EML-D (40X15)R 1054876 EML-D (60X30)R SR 1054879 EML-D (60X30)R 1054878 EML-D (20X8)R 1182298
	Technology				
	Product features		Detectable		
	Lettering field size		40 x 15 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 100°C		

Marking materials for equipment identification

Device markers in roll format with special adhesive properties				Additional versions	
	Type	Item no.	EMLS (76X51)R SR	0800350	EMLS (15X9)R SR 0800347 EMLS (26,5X12)R SR 0800353 EMLS (60X30)R SR 0800355 EMLS (70X32)R SR 0800346
	Technology				
	Product features		Tamper-proof		
	Lettering field size		76 x 51 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 150°C		
	Type	Item no.	EML-HA (40X8)R	0830604	EML-HA (19X6)R 0830601 EML-HA (60X30)R 0830606 EML-HA (76X51)R 0830609 EML-HA (100X90)R 0830732
	Technology				
	Product features		Highly adhesive		
	Lettering field size		40 x 8 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 150°C		
	Type	Item no.	EML-RM (25X8)R	0830533	EML-RM (8X8)R 0830528 EML-RM (15X6)R 0830529 EML-RM (25XE)RL 0804195 EML-RM (70X50)R 0803186
	Technology				
	Product features		Removable		
	Lettering field size		25 x 8 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 120°C		
	Type	Item no.	EML-LT (40X150)R	1314240	EML-LT (40X150)R YE 1314241
	Technology				
	Product features		Resistant to low temperatures		
	Lettering field size		40 x 150 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 120°C		
	Type	Item no.	EML-HT (40X15)R	0800339	EML-HT (15X6)R 0830644 EML-HT (20X7)R 0830645 EML-HT (45X5)R 0800337 EML-HT (50X10)R 0800338
	Technology				
	Product features		Resistant to high temperatures		
	Lettering field size		40 x 15 mm		
	Mounting type		Adhesive		
	Material		Acrylate		
	Short-term temperature		300°C (max. 1 minute)		
	Ambient temperature		-40°C … 180°C		

Marking materials for equipment identification

Device markers in roll format for insertion				Additional versions	
	Type	Item no.	EMT (EX15)R	0830671	EMT (EX14)R 0803461 EMT (EX17)R 0804546 EMT (EX38)R 0804547 EMT (EX40)R 0804545
	Technology				
	Lettering field size		15 x 50000 mm		
	Mounting type		Latching		
	Material		PVC		
	Ambient temperature		-30°C … 80°C		

Self-adhesive plastic labels for the identification of safety buttons				Additional versions	
	Type	Item no.	EMLP 24 (30X12)R	0819550	
	Technology				
	Lettering field size		30 x 12 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 120°C		
	Type	Item no.	EMLP 30 (45X10)R	0801855	
	Technology				
	Lettering field size		45 x 10 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 120°C		
	Type	Item no.	EMLP 24 (30X12)	0822301	
	Technology				
	Lettering field size		30 x 12 mm		
	Mounting type		Adhesive		
	Material		TRANSPLY-ABS		
	Ambient temperature		-40°C … 80°C		
	Type	Item no.	EMLP 32 (38X14)	0822291	
	Technology				
	Lettering field size		38 x 14 mm		
	Mounting type		Adhesive		
	Material		TRANSPLY-ABS		
	Ambient temperature		-20°C … 80°C		
	Type	Item no.	EML-RS (45,7X45,7)R SR	0803187	EML-RS (45,7X45,7)R 0803387
	Technology				
	Area of application		Rotary switch Ø 25 mm		
	Lettering field size		45.7 x 45.7 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 150°C		

Marking materials for equipment identification

Self-adhesive plastic labels for equipment marking

Type	Item no.	EMLP (27X18)R SR	0819534
Technology			
Lettering field size		27 x 18 mm	
Mounting type		Adhesive	
Material		Polyester	
Ambient temperature		-40°C … 120°C	

Additional versions

EMLP (22X12)R	0819495
EMLP (27X12,5)R	0804488
EMLP (27X27)R SR	0827467
EMLP (45X15)R	0801820
EMLP (45X25)R	0802727
EMLP (60X15)R	1466840
EMLP (60X30)R	0819505
EMLP (85,6X54)R	1096325
EMLP (100X30)R	1096330

Self-adhesive device markers for command and signaling devices

Type	Item no.	LS-EMLP 24 (30X12) SR	0831727
Technology			
Area of application		Command and signaling devices, Ø 24 mm	
Lettering field size		30 x 12 mm	
Mounting type		Adhesive	
Material		ABS	
Ambient temperature		-20°C … 85°C	

Additional versions

LS-EMLP 24 (30X12) WH	0831700
LS-EMLP 24 (30X12) YE	0831754

Type	Item no.	LS-EMLP 30 (45X10) SR	0831728
Technology			
Area of application		SIEMENS: SIRIUS ACT command and signaling devices, Ø 30 mm	
Lettering field size		45 x 10 mm	
Mounting type		Adhesive	
Material		ABS	
Ambient temperature		-20°C … 85°C	

Additional versions

LS-EMLP 30 (45X10) WH	0831701
LS-EMLP 30 (45X10) YE	0831755

Type	Item no.	LS-EMLP 32 (38X14) SR	0831729
Technology			
Area of application		Command and signaling devices, Ø 32 mm	
Lettering field size		38 x 14 mm	
Mounting type		Adhesive	
Material		ABS	
Ambient temperature		-20°C … 85°C	

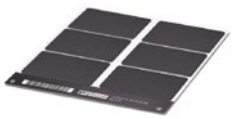
Additional versions

LS-EMLP 32 (38X14) WH	0831702
LS-EMLP 32 (38X14) YE	0831756

Marking materials for equipment identification

Device markers in sheet format				Additional versions	
	Type	Item no.	LS-EMLP (180X180) SR	0804347	LS-EMLP (20X8) WH 0831685 LS-EMLP (27X18) WH 0831691 LS-EMLP (60X30) WH 0831697 LS-EMLP (180X180) WH 0804346
	Technology				
	Lettering field size		180 x 180 mm		
	Mounting type		Adhesive		
	Material		ABS		
	Ambient temperature		-20°C … 85°C		
	Type	Item no.	LS-EMLSP (21,5X15) WH	1045512	LS-EMLSP (36,3X25) WH 1058990 LS-EMLSP (70,8X40) WH 1069847
	Technology				
	Lettering field size		21.5 x 15 mm		
	Mounting type		Adhesive, screw, rivet		
	Material		ABS		
	Ambient temperature		-20°C … 85°C		
	Type	Item no.	LS-EMSP-V4A (75,6X54)	0831656	LS-EMSP-V4A (50X15) 0831654 LS-EMSP-V4A (50X30) 0831655 LS-EMSP-V4A (50X30) 2H 0803992 LS-EMSP-V4A (90X60) 0831657
	Technology				
	Lettering field size		75.6 x 54 mm		
	Mounting type		Screw, rivet		
	Material		V4A (1.4404; AISI 316L)		
	Ambient temperature		-80°C … 350°C		
	Type	Item no.	LS-EML (180X180) BK-WH	0831784	
	Technology				
	Lettering field size		180 x 180 mm		
	Mounting type		Adhesive		
	Material		Polyacrylate		
	Ambient temperature		-40°C … 200°C		
	Type	Item no.	LS-EMP-AL (27X15)	0831661	LS-EMP-AL (27X18) BK 0831670 LS-EMP-AL (27X18) 0831662 LS-EMP-AL (49X15) 0831663 LS-EMP-AL (100X60) 0831667
	Technology				
	Lettering field size		27 x 15 mm		
	Mounting type		Latching		
	Material		Aluminum		
	Ambient temperature		-25°C … 120°C		
	Type	Item no.	LS-EMSP-AL (50X15)	0831616	LS-EMSP-AL (40X15) 1,5 0804645 LS-EMSP-AL (75,6X54) BU 0831646 LS-EMSP-AL (110X80) BK 0831631 LS-EMSP-AL (150X120) BK 0831633
	Technology				
	Lettering field size		50 x 15 mm		
	Mounting type		Screw, rivet		
	Material		Aluminum		
	Ambient temperature		-25°C … 120°C		

Marking materials for equipment identification

Device markers in sheet format				Additional versions	
	Type	Item no.	LS-EMLP-AL (85,6X54) BK	0831594	LS-EMLP-AL (27X15) BK 0831589 LS-EMLP-AL (60X30) BK 0831593 LS-EMLP-AL (85,6X54) BU 0831607 LS-EMLP-AL (100X60) 0831586
	Technology				
	Lettering field size		85.6 x 54 mm		
	Mounting type		Adhesive		
	Material		Aluminum		
	Ambient temperature		-25°C … 70°C		
	Type	Item no.	LS-EMLP-V4A (60X30)	0803991	LS-EMLP-V4A (50X15) 1019818 LS-EMLP-V4A (60X15) 1031604 LS-EMSP-V4A (140X100) 1 1030550
	Technology				
	Lettering field size		60 x 30 mm		
	Mounting type		Adhesive		
	Material		V4A (1.4404; AISI 316L)		
	Ambient temperature		-40°C … 250°C		

Aluminum device markers (individual labels)				Additional versions	
	Type	Item no.	EMP-AL (27X18)	0830777	EMP-AL (27X15) 0830776 EMP-AL (49X15) 0830778 EMP-AL (60X30) 0830796 EMP-AL (85,6X54) 0830797
	Technology				
	Lettering field size		27 x 18 mm		
	Mounting type		Latching		
	Material		Aluminum		
	Ambient temperature		-25°C … 120°C		
	Type	Item no.	EMSP-AL (90X60)	0830504	EMSP-AL (39X15) 0830510 EMSP-AL (50X15) 0830773 EMSP-AL (50X30) 0830502 EMSP-AL (75,6X54) 0830503
	Technology				
	Lettering field size		90 x 60 mm		
	Mounting type		Screw, rivet		
	Material		Aluminum		
	Ambient temperature		-25°C … 120°C		
	Type	Item no.	EMLP-AL (100X60)	0830515	EMLP-AL (27X15) 0830508 EMLP-AL (27X18) 0830509 EMLP-AL (60X30) 0830513 EMLP-AL (85,6X54) 0830514
	Technology				
	Lettering field size		100 x 60 mm		
	Mounting type		Adhesive		
	Material		Aluminum		
	Ambient temperature		-25°C … 120°C		

Marking materials for equipment identification

Device markers in cartridge format				Additional versions	
	Type	Item no.	MM-EML (20X8)R C1 YE/BK	1116205	MM-EML (16,5X5)R C1 WH/BK 1116200 MM-EML (EX10)R C1 WH/BK 0803970 MM-EML (EX12)R C1 SR/BK 0803975 MM-EML (EX24)R C1 TR/BK 1116133
	Technology				
	Lettering field size		20 x 8 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 150°C		
	Type	Item no.	MM-EMLF (EX10)R C1 YE/BK	0803941	MM-EMLF (EX12)R C1 WH/BK 0803938 MM-EMLF (EX14)R C1 YE/BK 1116136 MM-EMLF (EX18)R C1 OG/BK 0803957 MM-EMLF (EX24)R C1 BU/WH 0803949
	Technology				
	Lettering field size		Continuous x 8 mm		
	Mounting type		Adhesive		
	Material		Vinyl polymer		
	Ambient temperature		-20°C … 75°C		
	Type	Item no.	MM-EMLC (EX10)R C1 WH/BK	0803933	MM-EMLC (EX12)R C1 WH/BK 0803934 MM-EMLC (EX14)R C1 WH/BK 1116134 MM-EMLC (EX18)R C1 WH/BK 0803936
	Technology				
	Lettering field size		Continuous x 8 mm		
	Mounting type		Adhesive		
	Material		PA		
	Ambient temperature		0°C … 80°C		

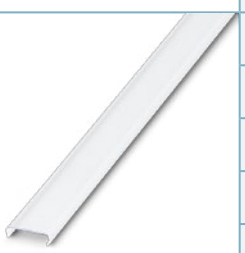
Device markers in cartridge format for the identification of marker carriers				Additional versions	
	Type	Item no.	MM-EMT (EX4)R C1 WH/BK	1169312	MM-EMT (EX6)R C1 WH/BK 0803963 MM-EMT (EX8)R C1 WH/BK 0803965 MM-EMT (EX15)R C1 WH/BK 0803966 MM-EMT (EX23)R C1 WH/BK 0803969
	Technology				
	Lettering field size		Continuous x 3 mm		
	Mounting type		Latching		
	Material		Polyester		
	Ambient temperature		-40°C … 120°C		

Marking materials for equipment identification

Device markers for PLOTMARK and ENGRAVING UNIT				Additional versions	
	Type	Item no.	GPE 27X18 SR/R	0806893	GPE 20X 8 WH 0806945 GPE 60X30 WH 0806961 GPE 27X18 WH/R 0815208 GPE 45X14 SR/R 0807009
	Technology				
	Lettering field size		27 x 18 mm		
	Mounting type		Adhesive		
	Material		TRANSPLY-ABS		
	Ambient temperature		-20°C … 85°C		
	Type	Item no.	GPA 610X610X0,8…	0811406	GPA 300X280X0,8 ... 0811370 GPA 610X610X1,5... 0811435 GPA 300X280X1,5... 0813996
	Technology				
	Lettering field size		610 x 610 mm		
	Mounting type		Screw, rivet		
	Material		ABS		
	Ambient temperature		-20°C … 85°C		
	Type	Item no.	GPA/SK 300X280X1,5…	0814005	GPA/SK 300X280X0,8 ... 0811383 GPA/SK 610X610X1,5... 0811422 GPA/SK 296X200X0,8 ... 0814652
	Technology				
	Lettering field size		300 x 280 mm		
	Mounting type		Adhesive		
	Material		ABS		
	Ambient temperature		-20°C … 85°C		
	Type	Item no.	GPK 300X280X0,8 ...	0806068	GPK 300X280X1,5 ... 0806123 GPK 300X280X1,5 WH/BK 5031919 GPK 610X610X1,5 ... 0806424 GPK 610X610X1,5 WH/BK 0806356
	Technology				
	Lettering field size		300 x 280 mm		
	Mounting type		Screw, rivet		
	Material		TRANSPLY-ABS		
	Ambient temperature		-20°C … 85°C		
	Type	Item no.	GPK/SK 610X610X1,5 WH/BK	0806518	GPK/SK 610X610X0,8 WH/BK 0806437 GPK/SK 300X280X0,8 WH/BK 0803854 GPK/SK 300X280X0,8 SR/BK 0803841 GPK/SK 300X280X0,8 YE/BK 0806178
	Technology				
	Lettering field size		610 x 610 mm		
	Mounting type		Adhesive		
	Material		TRANSPLY-ABS		
	Ambient temperature		-20°C … 85°C		

Marker carriers				Additional versions	
	Type	Item no.	CARRIER-EMP (60X30) 0827454	CARRIER-EMP (27X15) CARRIER-EMP (49X15) CARRIER-EMP (60X15) CARRIER-EMP (85,6X54)	0827451 0827452 0827453 0829365
	Lettering field size		60 x 30 mm		
	Mounting type		Screw, rivet		
	Material		PA		
	Ambient temperature		-40°C … 105°C		
	Type	Item no.	CARRIER-EMP 22 (27X18) 0827448	CARRIER-EMP 22 (27X8) CARRIER-EMP 22 (27X12,5) CARRIER-EMP 22 (27X15) CARRIER-EMP 22 (27X27)	0827445 0827446 0827447 0827449
	Lettering field size		27 x 18 mm		
	Mounting type		Screw, rivet		
	Material		PA		
	Ambient temperature		-40°C … 105°C		
	Type	Item no.	CARRIER-EMLP 22 (27X18) 0828987	CARRIER-EMLP 22 (27X8) CARRIER-EMLP 22 (27X12,5) CARRIER-EMLP 22 (27X15) CARRIER-EMLP 22 (27X27)	0828984 0828985 0828986 0828988
	Lettering field size		27 x 18 mm		
	Mounting type		Screw, rivet		
	Material		PA		
	Ambient temperature		-40°C … 105°C		
	Type	Item no.	PAB-SK 15 1013287	PAB-SK 30	1013290
	Lettering field size		15 x 4 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 60°C		
	Type	Item no.	P-SS-ZB 100 1013737		
	Lettering field size		10.5 x 1000 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-15°C … 80°C		
	Type	Item no.	P-ZB METER 1051854		
	Lettering field size		10.5 x 1000 mm		
	Mounting type		Latching		
	Material		PA		
	Ambient temperature		-40°C … 100°C		

Marking materials for equipment identification

Marker carriers			Additional versions
	Type Item no.	CARRIER-EMP (1000X15) GY 0829366	CARRIER-EMP (1000X15) TR 0829530
	Lettering field size	1000 x 15 mm	
	Mounting type	Screw, rivet	
	Material	PVC	
	Ambient temperature	-40°C … 60°C	
	Type Item no.	CARRIER/L-EMP (1000X15) GY 0829559	CARRIER/L-EMP (1000X15) TR 0829560 CARRIER/L-EMP (1000X15) WH 1285733
	Lettering field size	1000 x 15 mm	
	Mounting type	Adhesive	
	Material	PVC	
	Ambient temperature	-40°C … 60°C	
	Type Item no.	CARRIER-EMP (1000X15) COVER 0829520	
	Lettering field size	1000 x 15 mm	
	Mounting type	Latching	
	Material	PVC	
	Ambient temperature	-40°C … 60°C	

Marking material

Plant identification

The comprehensive and clear identification of plants not only ensures safety, but is also a legal requirement. Along with warning information, prohibition signs, and mandatory signs, markings identify emergency stop buttons and fire alarm systems, for example. Identification with hazardous substance labels in accordance with the international standard ensures the necessary protection when handling hazardous substances. Furthermore, pipeline markers are used to indicate which fluids or gases are flowing in the pipes, as well as the direction of flow.

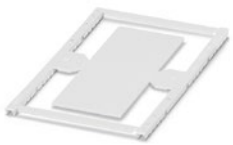
Designation key: Plant identification

Designation key						Technology
Plant identification: Marking solutions in roll format						
PML-M	Plant Marking		Label	Mandatory	Labels for mandatory identification in accordance with ISO 7010	 Thermal transfer printing
PML-P				Prohibition	Labels for prohibition identification in accordance with ISO 7010	
PML-W				Warning	Labels for warning identification in accordance with ISO 7010	
PML-C				Circuit	Circuit identification on emergency lighting systems in accordance with DIN EN 50172, VDE 0108-100 and fire alarm identification in accordance with DIN 14675	
PML-T				Tubing	Arrow labels for pipeline identification in accordance with DIN 2403 in different colors according to the flow substance	
PML-GHS				Globally Harmonized System	Labels for hazardous substance identification in accordance with CLP/GHS regulation	
PMM			Magnet		Magnetic labels in continuous format for the temporary identification of storage locations in logistics	
EMLF				Flexible	Self-adhesive, highly flexible labels for instruction identification in accordance with ISO 3864 and ANSI Z535 for the individual design of hazard notices	
Plant identification: Marking solutions in sheet format						
UC-PMP	Universal Card	Plant Marking	Plate		Insert labels for CARRIER(/L)-PMP… marker carriers	 UV LED printing
UC-PMLP			Label Plate		Self-adhesive plastic labels	
UCT-PMP	Universal Card thermal transfer		Plate		Insert labels for CARRIER(/L)-PMP… marker carriers	 Direct laser marking UV LED printing
UCT-PMLP			Label Plate		Self-adhesive plastic labels	
US-EMLF				Label Flexible	Self-adhesive, highly flexible labels for instruction identification in accordance with ISO 3864 and ANSI Z535 for the individual design of hazard notices	
Plant identification: Marking solutions in card format						
US-PML-M	Universal Sheet	Plant Marking	Label	Mandatory	Labels for mandatory identification in accordance with ISO 7010	 UV LED printing Thermal transfer printing
US-PML-P…				Prohibition	Labels for prohibition identification in accordance with ISO 7010	
US-PML-W…				Warning	Labels for warning identification in accordance with ISO 7010	
US-PML-F				Fire protection	Labels for the identification of smoke alarms for fire alarm systems in accordance with DIN 4066	
US-PML-ESS				Emergency stop sign	Labels for the identification of emergency stop buttons in accordance with ISO 13850	
US-PML-GHS				Globally Harmonized System	Labels for hazardous substance identification in accordance with CLP/GHS regulation	
US-EML (D39)		Equipment Marking	Label		Labels for creating inspection labels in accordance with BGV A8 using templates in the MARKING system software	 UV LED printing
Plant identification: Marking solutions in cartridge format						
MM-EML 24	Mobile Marking	Equipment Marking	Label		Self-adhesive, flexible labels for creating inspection labels using templates in the MARKING system app	 Thermal transfer printing

Marking materials for plant identification

Marker carriers for plant identification								
								
Product group						**CARRIER-PMP**	**CARRIER-PMP-ENCLOSED**	**CARRIER/L-PMP-ENCLOSED**
Product type						Marker carrier	Marker carrier	Marker carrier
Mounting type						Screws, rivets, assembly with cable ties	Screws, rivets	Adhesive
Mounting type of the marking material						Insert	Insert	Insert
Area of application						Equipment and control cabinets	Equipment and control cabinets	Equipment and control cabinets
Marking material product group	Compatible printing technology							
PMT...						●	●	●
PMST...						●	●	●
UC-PMP...			●	●		●		●
UCT-PMP		●	●	●			●	

Marking materials for plant identification

Plant markers in sheet format				Additional versions	
	Type	Item no.	UC-PMP (110X38)	0831019	UC-PMP (90X38) 0831016
	Technology				
	Lettering field size		110 x 38 mm		
	Mounting type		Latching into marker carrier		
	Material		PA		
	Ambient temperature		-40°C … 120°C		
	Type	Item no.	UC-PMLP (110X38)	0831020	UC-PMLP (90X38) 0831017
	Technology				
	Lettering field size		110 x 38 mm		
	Mounting type		Adhesive		
	Material		PA		
	Ambient temperature		-40°C … 120°C		
	Type	Item no.	UCT-PMP (90X38)	0803039	
	Technology				
	Lettering field size		90 x 38 mm		
	Mounting type		Latching into marker carrier		
	Material		PC		
	Ambient temperature		-40°C … 120°C		
	Type	Item no.	UCT-PMLP (90X38)	0803041	
	Technology				
	Lettering field size		90 x 38 mm		
	Mounting type		Adhesive		
	Material		PC		
	Ambient temperature		-40°C … 120°C		

Marking materials for plant identification

Plant markers in roll format				Additional versions	
	Type	Item no.	PML-W100 (50X50)R	0830430	PML-W100 (25X25)R 0830429 PML-W100 (100X100)R 0830431
	Technology				
	Area of application		Warning identification in accordance with ISO 7010		
	Lettering field size		50 x 50 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 90°C		
	Type	Item no.	PML-W200 (50X50)R	0830452	PML-W200 (100X100)R 0830453
	Technology				
	Area of application		Warning identification in accordance with ISO 7010		
	Lettering field size		50 x 50 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 90°C		
	Type	Item no.	PML-W300 (105X52)R	0830460	
	Technology				
	Area of application		Warning identification in accordance with ISO 7010		
	Lettering field size		105 x 52 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 90°C		
	Type	Item no.	PML-W400 (58/19XE)R WH-OG	1016499	
	Technology				
	Area of application		Instruction identification in accordance with ISO 3864 and ANSI Z535		
	Lettering field size		Continuous x 77 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 90°C		
	Type	Item no.	PML-W501 (100X48)R WH-RD	1016507	
	Technology				
	Area of application		Instruction identification in accordance with ISO 3864 and ANSI Z535		
	Lettering field size		100 x 48 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 90°C		

Marking materials for plant identification

Plant markers in roll format				Additional versions	
	Type	Item no.	EMLF (50XE)R YE	0804678	EMLF (108XE)R 0800549 EMLF (108XE)R YE 0800550 EMLF (108XE)R BU 0804197 EMLF (108XE)R OG 0804199 EMLF (108XE)R RD 0804198
	Technology				
	Product features		Highly flexible		
	Lettering field size		50 x 48000 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 100°C		
	Type	Item no.	PML-M100 (D50)R	1014180	PML-M100 (D100)R 1014181
	Technology				
	Area of application		Mandatory identification in accordance with ISO 7010		
	Lettering field size		Ø: 50 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 90°C		
	Type	Item no.	PML-P100 (D50)R	1014225	PML-P100 (D100)R 1014226
	Technology				
	Area of application		Prohibition identification in accordance with ISO 7010		
	Lettering field size		Ø: 50 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 90°C		
	Type	Item no.	PML-T101 (26X280)R	1014229	PML-T102 (26X280)R 1014231 PML-T103 (26X280)R 1014233 PML-T104 (26X280)R 1014235 PML-T105 (26X280)R 1014237 PML-T106 (26X280)R 1014239 PML-T107 (26X280)R 1014241 PML-T108 (26X280)R 1014243 PML-T109 (26X280)R 1014245 PML-T110 (26X280)R 1014247
	Technology				
	Area of application		Pipeline identification in accordance with DIN 2403		
	Lettering field size		26 x 280 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 150°C		
	Type	Item no.	PML-GHS100 (13X13)R	1014289	PML-GHS100 (25X25)R 1014290
	Technology				
	Area of application		Hazardous substance identification in accordance with CLP/GHS regulation		
	Lettering field size		13 x 13 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 150°C		

Marking materials for plant identification

Plant markers in roll format

Type	Item no.	PML-C101 (D39)R	1032780
Technology			
Area of application		Circuit identification on emergency lighting systems in accordance with DIN EN 50172, VDE 0108-100 and fire alarm identification in accordance with DIN 14675	
Lettering field size		39 mm	
Mounting type		Adhesive	
Material		PVC	
Ambient temperature		-40°C … 90°C	

Additional versions

PML-C101 (D39)R	1032780

Type	Item no.	PMM (EX20)R	1014303
Technology			
Product features		Magnetic	
Area of application		Warehousing/logistics	
Lettering field size		15000 x 20 mm	
Mounting type		Magnetic adhesion	
Material		Magnetic tape	
Ambient temperature		-30°C … 55°C	

Additional versions

PMM (EX25)R	1014306
PMM (EX30)R	1014309
PMM (EX40)R	1014312
PMM (EX50)R	1014315

Plant markers in cartridge format

Type	Item no.	MM-EML (EX24)R C1 YE/BK	1116131
Technology			
Lettering field size		Continuous x 22 mm	
Mounting type		Adhesive	
Material		Polyester	
Ambient temperature		-40°C … 150°C	

Additional versions

MM-EML (EX24)R C1 WH/BK	0803973
MM-EML (EX24)R C1 SR/BK	0803978

Printed plant markers in sheet format

Type	Item no.	PML-W101 (50X50)	0830434
Area of application		Warning identification in accordance with ISO 7010	
Lettering field size		50 x 50 mm	
Mounting type		Adhesive	
Material		PVC	
Ambient temperature		-40°C … 90°C	

Additional versions

PML-W202 (25X25)	0830437
PML-W301 (52X26)	0830461
PML-W301 (74X37)	0830462
PML-W301 (105X52)	0830463

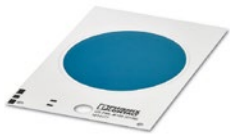
Type	Item no.	PML-M101 (D200)	1014139
Area of application		Mandatory identification in accordance with ISO 7010	
Lettering field size		Ø: 200 mm	
Mounting type		Adhesive	
Material		PVC	
Ambient temperature		-40°C … 90°C	

Additional versions

PML-M103 (D200)	1014145
PML-M105 (D100)	1014150
PML-M106 (D50)	1014152
PML-M107 (D100)	1014156

Marking materials for plant identification

Printed plant markers in sheet format				Additional versions	
	Type	Item no.	PML-P101 (D50)	1014184	PML-P107 (D200) 1014204 PML-P108 (D50) 1014205 PML-P109 (D50) 1014208 PML-P110 (D50) 1014211
	Area of application		Prohibition identification in accordance with ISO 7010		
	Lettering field size		Ø: 50 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 90°C		
	Type	Item no.	PML-GHS102 (25X25)	1014272	PML-GHS103 (25X25) 1014274 PML-GHS105 (13X13) 1014277 PML-GHS105 (25X25) 1014278
	Area of application		Hazardous substance identification in accordance with CLP/GHS regulation		
	Lettering field size		25 x 25 mm		
	Mounting type		Adhesive		
	Material		Polyester		
	Ambient temperature		-40°C … 150°C		

Plant markers in card format				Additional versions	
	Type	Item no.	US-PML-W100 (25X25)	1014125	US-PML-W100 (50X50) 1014126 US-PML-W100 (100X100) 1014127
	Technology				
	Area of application		Warning identification in accordance with ISO 7010		
	Lettering field size		25 x 25 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 90°C		
	Type	Item no.	US-PML-W200 (100X100)	1014133	US-PML-W200 (50X50) 1014132
	Technology				
	Area of application		Warning identification in accordance with ISO 7010		
	Lettering field size		100 x 100 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 90°C		
	Type	Item no.	US-PML-M100 (D100)	1014177	US-PML-M100 (D50) 1014176
	Technology				
	Area of application		Mandatory identification in accordance with ISO 7010		
	Lettering field size		Ø: 100 mm		
	Mounting type		Adhesive		
	Material		PVC		
	Ambient temperature		-40°C … 90°C		

Marking materials for plant identification

Plant markers in card format				Additional versions	
	Type	Item no.	US-PML-P100 (D50)	1014217	US-PML-P100 (D100) US-PML-P200 (D50) US-PML-P200 (D100)	1014218 1014221 1014222
	Technology					
	Area of application		Prohibition identification in accordance with ISO 7010			
	Lettering field size		Ø: 50 mm			
	Mounting type		Adhesive			
	Material		PVC			
	Ambient temperature		-40°C … 90°C			
	Type	Item no.	US-EMLF (104X140)	1014291	US-EMLF (104X140) YE US-EMLF (104X140) BU	1014292 1014293
	Technology					
	Area of application		Combi labels			
	Lettering field size		104 x 140 mm			
	Mounting type		Adhesive			
	Material		PVC			
	Ambient temperature		-40°C … 90°C			
	Type	Item no.	US-EML (D39)	0803822		
	Technology					
	Lettering field size		Ø: 39 mm			
	Mounting type		Adhesive			
	Material		Polyester			
	Ambient temperature		-40°C … 150°C			
	Type	Item no.	US-PML-F100 (50X25)	0803866	US-PML-F100 (D50) US-PML-F200 (50X25) US-PML-F200 (D50)	0803869 0803868 0803871
	Technology					
	Area of application		Identification of smoke alarms in accordance with DIN 4066			
	Lettering field size		40 x 15 mm			
	Mounting type		Adhesive			
	Material		PVC			
	Ambient temperature		-40°C … 90°C			
	Type	Item no.	US-PML-GHS100 (25X25)	1014288	US-PML-GHS100 (13X13)	1014287
	Technology					
	Area of application		Hazardous substance identification in accordance with CLP/GHS regulation			
	Lettering field size		25 x 25 mm			
	Mounting type		Adhesive			
	Material		Polyester			
	Ambient temperature		-40°C … 150°C			
	Type	Item no.	US-PML-ESS100 (D60) YE	0803873	US-PML-ESS100 (D90) YE	0803872
	Technology					
	Area of application		Identification of emergency stop buttons in accordance with ISO 13850			
	Lettering field size		Ø: 60 mm			
	Mounting type		Adhesive			
	Material		PVC			
	Ambient temperature		-40°C … 90°C			

Marking materials for plant identification

Marking labels for flow substances in marker carriers			Additional versions	
	Type / Item no.	PMT (10X38) GN 0831091	PMT (10X38)	0831086
	Area of application	Identification of flow substances in accordance with DIN 2403	PMT (10X38) BK	0831095
	Lettering field size	10 x 38 mm	PMT (10X38) BN	0831093
	Mounting type	Latching	PMT (10X38) BU	0831094
	Material	PVC	PMT (10X38) GY	0831092
	Ambient temperature	-30°C … 80°C	PMT (10X38) OG	0831088
			PMT (10X38) RD	0831089
			PMT (10X38) VT	0831090
			PMT (10X38) YE	0831087
	Type / Item no.	PMST (10X38) GN 0831081	PMST (10X38)	0831076
	Area of application	Identification of flow substances in accordance with DIN 2403	PMST (10X38) BK	0831085
	Lettering field size	10 x 38 mm	PMST (10X38) BN	0831083
	Mounting type	Latching	PMST (10X38) BU	0831084
	Material	PVC	PMST (10X38) GY	0831082
	Ambient temperature	-30°C … 80°C	PMST (10X38) OG	0831078
			PMST (10X38) RD	0831079
			PMST (10X38) VT	0831080
			PMST (10X38) YE	0831077

Marker carriers and marking sleeves			Additional versions	
	Type / Item no.	CARRIER-PMP (110X38) 0831056	CARRIER-PMP (108X38)	0830958
	Lettering field size	110 x 38 mm		
	Mounting type	Screw, rivet		
	Material	PA		
	Ambient temperature	-40°C … 105°C		
	Type / Item no.	CARRIER-PMP-ENCLOSED (110X38) 0831068		
	Lettering field size	110 x 38 mm		
	Mounting type	Screw, rivet		
	Material	PA		
	Ambient temperature	-40°C … 105°C		
	Type / Item no.	CARRIER/L-PMP-ENCLOSED (110X38) 0831062		
	Lettering field size	110 x 38 mm		
	Mounting type	Adhesive		
	Material	PA		
	Ambient temperature	-40°C … 105°C		

Identification solutions

Building infrastructure

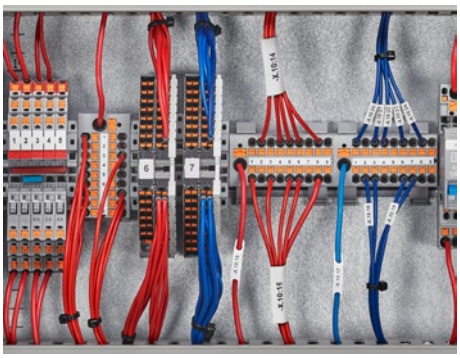
In modern building installation, a clear overview in the control cabinet is a key factor for efficient and error-free operation, maintenance, and reworking. Using appropriate markings means that all components can be clearly identified. Along with a clear overview, safety and fire protection also play an essential role – especially in public buildings. To ensure that fire alarm systems are marked in accordance with DIN 14675 and that sources of danger are clearly indicated in accordance with ISO 7010, ISO 3864, and ANSI Z535, professional and durable identification is required. To make installation work as simple and efficient as possible, mobile printing systems are an ideal solution with their compact dimensions, integrated power supply, and intuitive operation.

Everything to hand and safely stowed away: simplify your everyday work and benefit from the proven L-BOXX system or our practical shoulder bag and belt pouch. They provide enough space for the mobile printers, marking materials, and accessories.

Use the Application Wizards in the MARKING system app and the THERMOMARK GO to create markers quickly and easily. Benefit from the "Textfield Matrix Wizard", for example, and mark service panels even more efficiently.

The THERMOMARK PRIME mobile thermal transfer card printer allows you to create markings right where they will be used. It therefore saves you a great deal of time and provides greater flexibility.

Marking materials for building infrastructure



MM-TMT… and MM-TML…

The MM-TMT… and MM-TML… materials are ideal for terminal marking in the control cabinet. MM-TMT… can be used to mark all terminal blocks with a tall and flat marking groove. MM-TML self-adhesive material is suitable for the identification of terminal blocks and rail-mounted devices without a marking groove. The continuous format means that marking solutions of the appropriate length can be created flexibly.

More information starting on page 94

MM-EML…

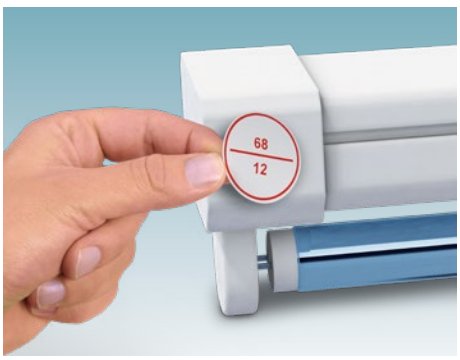
The MM-EML… self-adhesive labels are particularly suitable for the professional and durable identification of components in the control cabinet, such as miniature circuit breakers. With the material cartridge system, which includes both the material to be printed and the corresponding ink ribbon, the identification process is very efficient. The prepunched versions enable easy and convenient use.

More information starting on page 131

MM-WML…

The MM-WML… self-adhesive wrap-around labels ensure high-quality and very durable wire and cable marking. The transparent area of the label serves as a protective foil and is wound over the marking, thus permanently protecting it against dirt and abrasion. The wrap-around labels fit snugly, allowing cables to also be subsequently drawn through cable ducts, for example, without any problems.

More information starting on page 111



PML-C101…

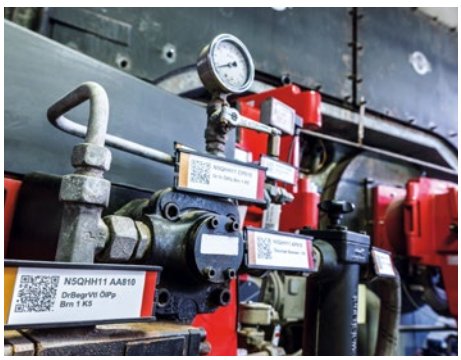
The PML-C101… labels with two marking fields are used for professional circuit identification on rescue and emergency lighting systems for fire alarm identification in accordance with DIN 14675. The highly flexible PVC label also molds itself well to uneven surfaces.

More information starting on page 142

US-PML-F…

Comprehensive fire alarm identification also includes the proper identification of smoke alarms in accordance with DIN 4066. The US-PML-F… labels are available in a round and square version for this purpose.

More information starting on page 144



CARRIER-PMP…

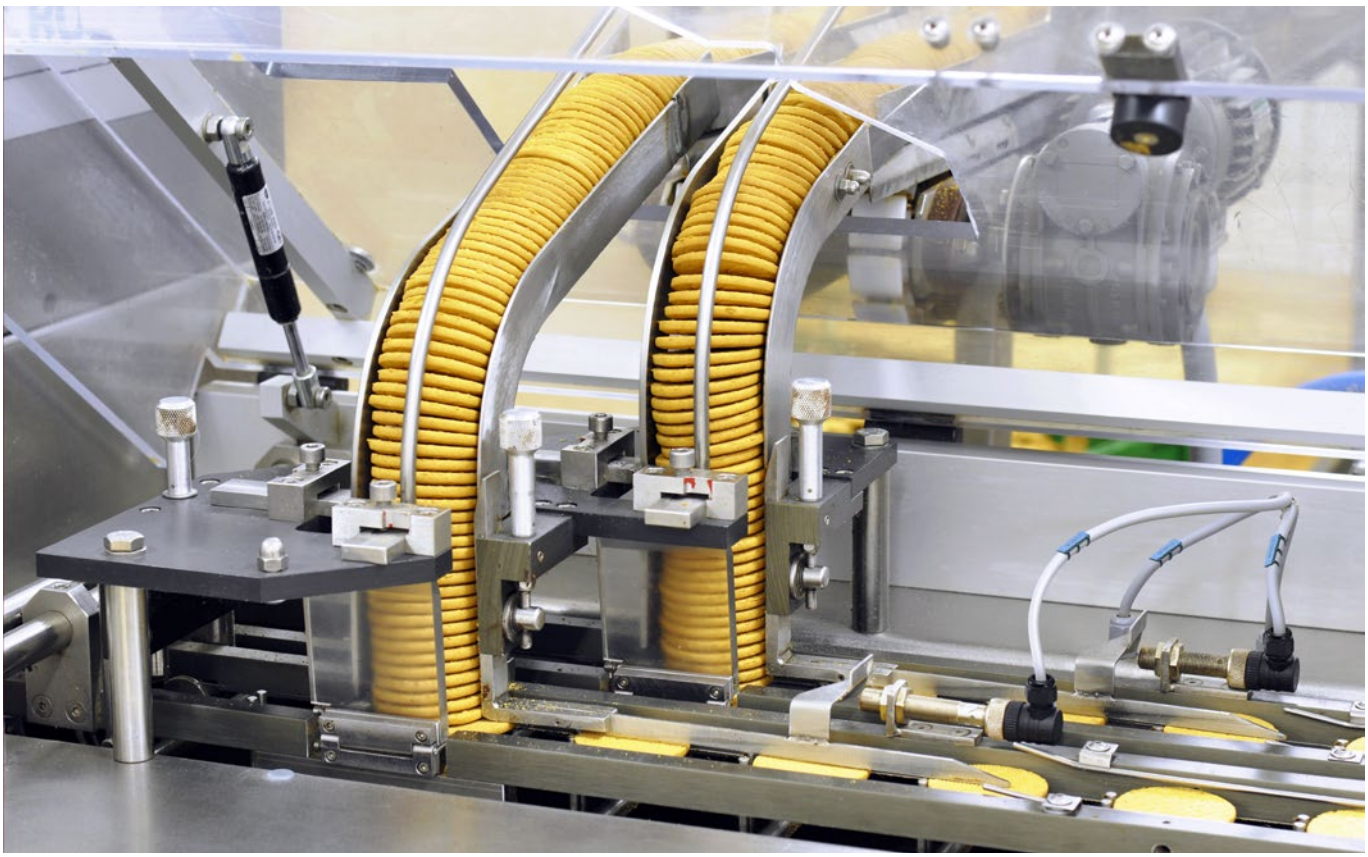
The CARRIER-PMP marker carriers are used in combination with the UC(T)-PM(L)P… marking labels for the identification of control cabinets, plants, pipe systems, and other infrastructure. The marker carriers are screwed, riveted, or attached with pipe clamps. The PMT… insert labels are used for the identification of flow substances in accordance with DIN 2403.

More information starting on page 145

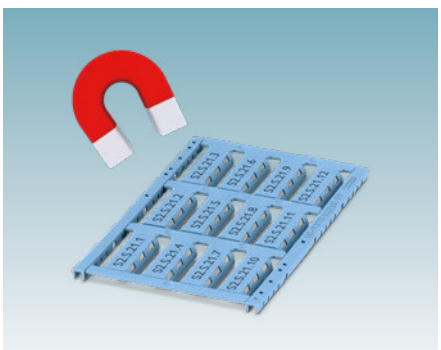
Identification solutions

Food and beverage industry

A high level of hygiene and safety is required in the food and beverage industry. Therefore, all components and materials used in the production process are subject to special requirements – this also includes identification. High chemical resistance, good visual recognition as well as detectability and optimum adhesion ensure high-quality, long-lasting, and safe marking in this environment.



Aggressive cleaning agents can corrode the markings and cause the material to fade, the text to become illegible, or result in brittle fractures. Marking materials must therefore have a high resistance to chemicals.



Blue markings are increasingly used in the food industry so that they can be quickly spotted. In addition, the use of detectable markers is recommended so that even small fragments can be detected during final inspection.

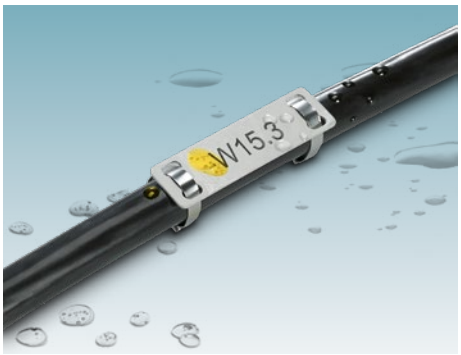
Due to constant cleaning, marking materials are exposed to strong mechanical influences. Therefore, an adhesive is required that is optimally distributed over the surface texture and thus provides optimum adhesive strength.

Marking materials for the food and beverage industry

UC-WMTBA-D… / PP…

Food is subject to the highest quality and safety requirements. The use of detectable markers is recommended so that even small fragments of a marking material can be detected during final inspection. Made of polypropylene, the material is resistant to moisture, chemicals, and tearing and is highly durable due to marking with the TOPMARK NEO.

More information starting on page 105



LS-WMTB-V4A…

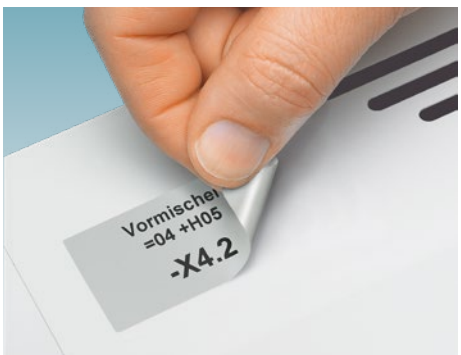
The LS-WMTB-V4A… stainless steel markers are characterized by their high resistance to saltwater, chloride, and solvents. The markers are therefore suitable for the most demanding industrial requirements. The LS-WMTB-V4A… product group can be marked by means of engraving or annealing marking depending on the application and requirements.

More information starting on page 111

WMTB HF-D…

The WMTB HF-D… detectable wire and cable markers are used in combination with the WT-ID HF… detectable cable ties for the identification and bundling of wires and cables. They are made of high-quality thermoplastic polyether urethane. The material is highly flexible and features a very good tear strength.

More information starting on page 109



EML-D…

The EML-D… labels are used for the identification of various types of equipment. The material features a continuous aluminum foil strip that makes the label detectable. With its very high adhesive strength, the label also adheres to rough, textured, and low-energy surfaces. The material used has been tested and approved by ISEGA for use in the food industry.

More information starting on page 125

EML-LPR-D…

The textured surfaces of devices and systems often make optimum label adhesion more difficult. If the labels will also be exposed to mechanical stresses caused by cleaning processes, an extra protective laminate is required in addition to the appropriate adhesive system. The EML-LPR-D… detectable labels provide these features.

More information starting on page 125

LS-EMSP-V4A…

The LS-EMSP-V4A… stainless steel device markers are suitable for easy-care and durable identification that also meets high hygiene requirements. The markings also feature high resistance to corrosion, acids, and temperatures.

More information starting on page 129

Identification solutions

Railway infrastructure

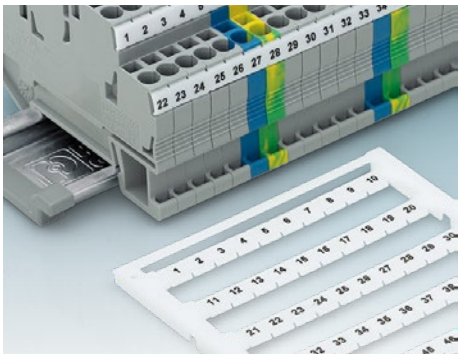
There is almost no other industry that places such high demands on parts and components – including the materials used to mark them. Passenger safety during passenger transport is the highest priority, which is why even the smallest components must comply with fire protection requirements. Due to the usually long product lifecycle of a train series and the legally required maintenance work, high demands are also placed on the durability of the marking materials. For maintenance work to run smoothly, the marking must still be legible and clear even after many years of use. The MARKING system offers the right solution for all applications in the railway industry. Choose from over 2,000 halogen-free identification solutions optimized for fire protection.

The MARKING system offers comprehensive marking solutions for different areas of application and requirements – from cable identification in passenger areas to outdoor infrastructure identification.

Fire protection is an important factor for safe and smooth railway operation. We offer halogen-free marking materials that meet the high requirements of DIN EN 45545-2.

When performing maintenance on trains, it may be necessary to replace or add markings. The professional, mobile printing systems of the THERMOMARK GO SERIES can be used to perform these tasks.

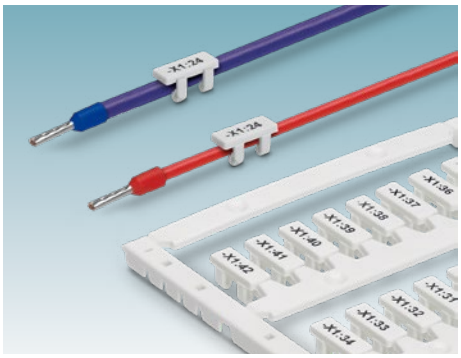
Marking materials for railway infrastructure



UC-TM(F)…

The UC-TM(F)… markers made of polyamide, which are marked using UV LED printing technology, are used for terminal identification. The markers are available for both tall and flat marking grooves and conform to hazard levels H1 to H2 and satisfy requirements R22 to R24 of DIN EN 45545-2.

More information starting on page 90



UCT-WMCO…

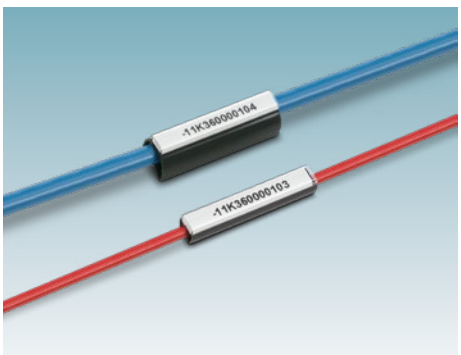
The UCT-WMCO… markers made of polycarbonate are used for the subsequent identification of wires, as they are simply clipped on. Their special design ensures a secure tight fit in the event of vibrations. In addition, these markers are extremely space-saving and satisfy the requirements of DIN EN 45545-2.

More information starting on page 104

WMS-2 HF…

The WMS-2 HF marking sleeves are ideal for railway applications. They are halogen-free, conform to hazard levels HL1 to HL3, and satisfy requirements R22 to R24 of DIN EN 45545-2. They can also be shrunk onto wires and cables as an option.

More information starting on page 110



PATG HF…

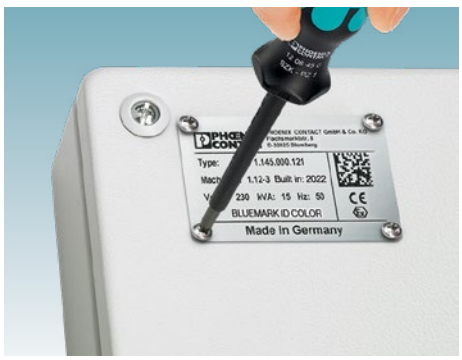
The PATG HF… marking sleeves can be used to mark wires and cables even after they have been installed. Together with the corresponding UCT-WMT… and UC-WMT… insert labels, a system solution is created that meets high fire protection requirements, as all components conform to DIN EN 45545-2.

More information starting on page 114

WMTB HF-HP…

The WMTB HF-HP… wire and cable marking is used for the identification and bundling of wires and cables in indoor and outdoor installations. The halogen-free material conforms to hazard levels HL1 to HL3 and satisfies requirements R22 to R24 of DIN EN 45545-2.

More information starting on page 109



LS-EMSP-AL…

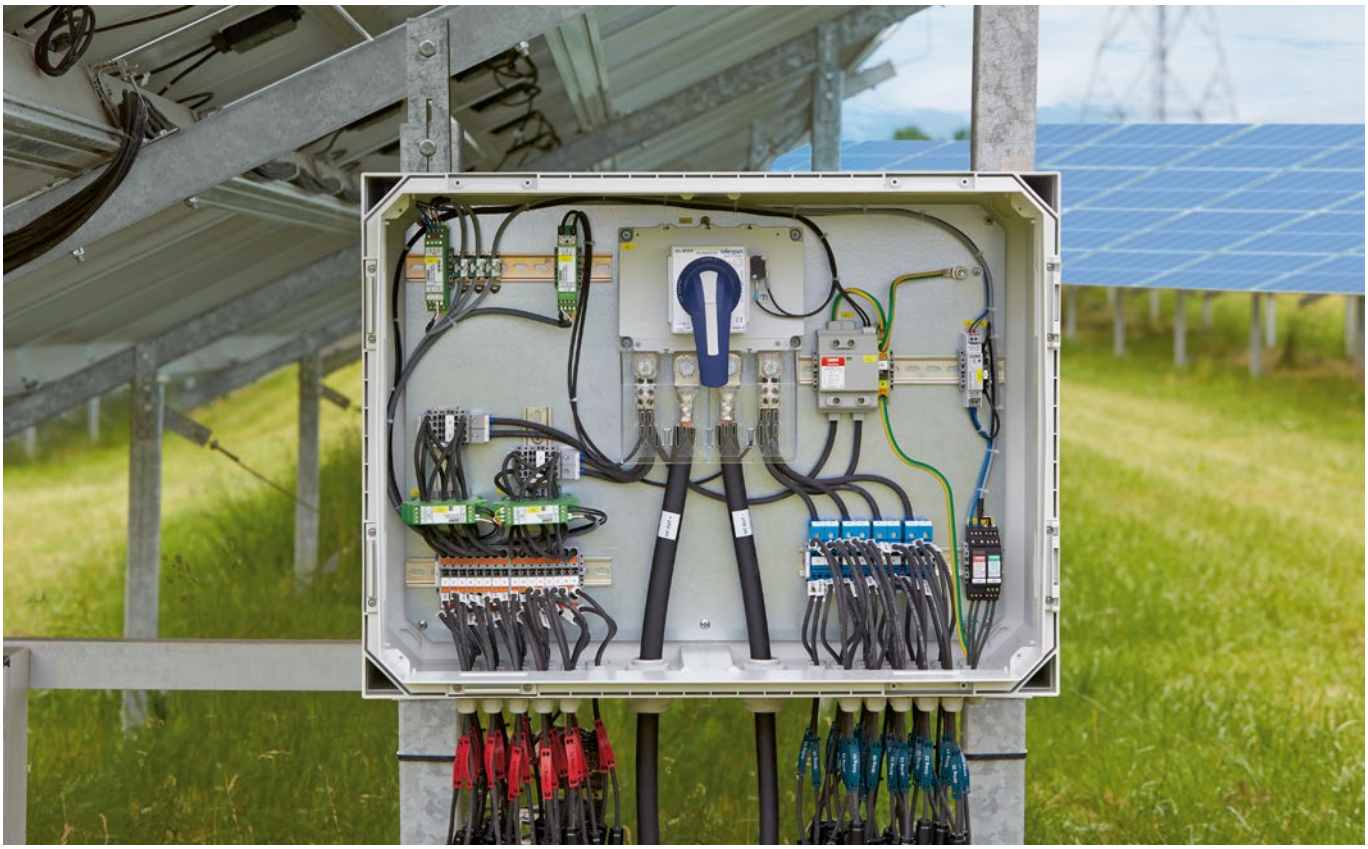
The LS-EMSP-AL... equipment marking is made of aluminum and has mounting holes for fixing with screws or rivets. The label is engraved with the TOPMARK NEO, thus creating an extremely durable marking. This type of equipment marking is also available as a stainless steel label and as a self-adhesive label.

More information starting on page 129

Identification solutions

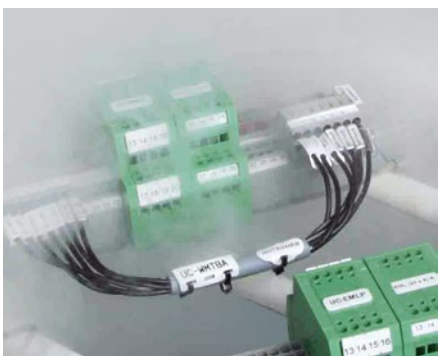
Outdoor installations

Outdoor installations are sometimes subject to adverse ambient conditions: Heat, cold, moisture, and sunlight are all influences that marking materials must withstand in order to meet the requirements for clear and long-lasting identification. The MARKING system provides a wide range of marking solutions for wire and cable, equipment, and plant identification, suitable for permanent outdoor exposure.



To simulate several years of use outdoors, in our laboratory the marking materials are exposed to cyclical stresses through UV radiation and humidity, and are thus tested in accordance with DIN EN ISO 4892-2.

The IP degree of protection of markings is determined with the help of a water jet test and indicates the material's scope of protection against the ingress of foreign bodies as well as the tightness of seal against moisture.



In some areas of application, the markings must withstand a saline atmosphere. To ensure this can be achieved, the resistance of the materials is tested through salt spray in a corrosive atmosphere.

Marking materials for outdoor installations

(US-)WML…

The (US-)WML… self-adhesive wrap-around labels ensure high-quality and weather-resistant wire and cable marking. The transparent area of the label serves as a protective foil and is stuck over the marking, thus permanently protecting it against dirt, weathering, and mechanical abrasion.

More information starting on page 106

KMK UV…

The KMK UV… marker carriers in combination with the WT-UV HF… cable ties are used for the identification and bundling of wires and cables in outdoor installations. The transparent marker carrier has a high impact strength and is resistant to UV, chemicals, and weathering. The sealing cap protects the marked insert label against external influences and dirt.

More information starting on page 114

WMTB HF…

The WMTB HF… cable markers can be used for the identification and bundling of wires and cables in outdoor installations. Assembly with cable ties makes it easy to attach the marker retrospectively. The high-quality thermoplastic polyether urethane that is used is highly flexible and adapts to the bending of the components.

More information starting on page 109

(US-)EMLF…

The (US-)EMLF… labels are made of soft, highly flexible PVC film that molds itself perfectly to uneven surfaces. In combination with the corresponding ink ribbon, the labels are UV-resistant and have a wide temperature range, making them suitable for all climates and areas of application.

More information starting on page 123

LS-WMTB-V4A…

The LS-WMTB-V4A… stainless steel cable markers are engraved using the TOPMARK NEO and feature high resistance to corrosion, acids, and temperatures. For this reason, they are very resistant to weathering and suitable for permanent identification.

More information starting on page 111

(US-)PML…

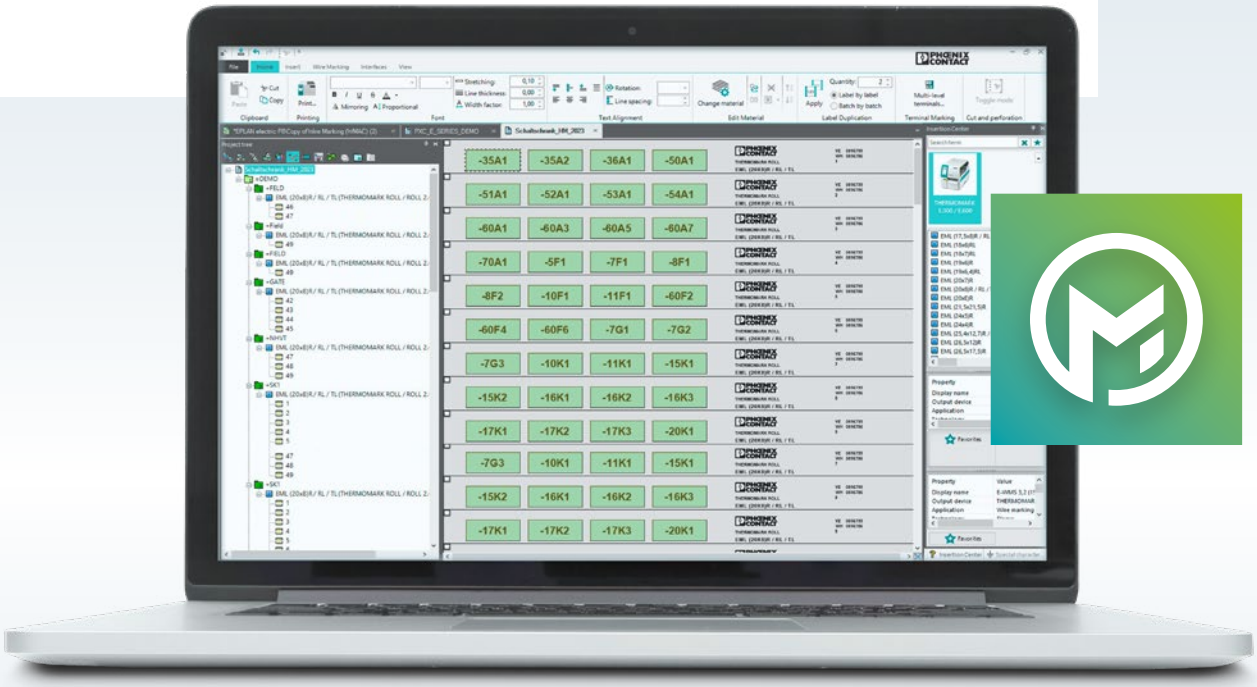
Sources of danger must also be marked outdoors in accordance with ISO 7010. The (US-)PML-… safety labels are made of highly flexible PVC film. They are UV-resistant and suitable for all climates and areas of application due to their wide temperature range.

More information starting on page 143

Marking software

3

Comprehensive data for the creation of all marking files is the basis for an efficient and straightforward identification process. The MARKING system provides digital solutions for every application. Design your markings on a desktop computer with the MARKING system software or use the MARKING system app for mobile use in the application environment.



MARKING system software

With the MARKING system software, you can create marking files easily and conveniently on your laptop or desktop PC. The software imports marking data from E-CAD programs, spreadsheet programs, and word processing programs, reducing the amount of work required. All Phoenix Contact marking systems as well as standard office printers can be controlled via the software.

More information starting on page 156

MARKING system app

The MARKING system app features a unique, mobile interface for the smart selection and creation of marking files. The app can also be used offline on mobile end devices and is available for iOS and Android operating systems.

More information starting on page 160

Marking software

MARKING system software

In addition to marking systems and materials, the MARKING system provides user-friendly marking software with application-specific functions. The MARKING system software supports you in all phases of the identification process at your stationary PC workstation. Comprehensive functions and design options enable you to create customized marking solutions for terminal blocks, wires and cables, equipment, and plants.

Software for stationary use

Create marking data easily

The MARKING system software enables you to implement your custom-designed marking solutions easily and conveniently. All Phoenix Contact marking systems can be controlled and managed centrally from this software. In addition to many functions for the visual design of the marking materials, the software ensures efficient marking processes with its powerful data import functions and interfaces to common E-CAD programs and spreadsheet formats. The interface to clipx ENGINEER ensures seamless processes from planning through to production. The Wire Marking Application Center even guides you through the entire printing and applying process all the way to the finished marked wire/cable.

Easy creation of marking files with the MARKING system software

Your advantages

- ☑ Everything from a single source: The MARKING system software supports all marking systems and marking materials from Phoenix Contact
- ☑ End-to-end process support from product search and creation to ready-to-assemble marking material
- ☑ Perfect integration with optimized interfaces to all common E-CAD programs and spreadsheet formats
- ☑ Efficient creation of marking files with a clear user interface and comprehensive design options

Go here to get the MARKING system software

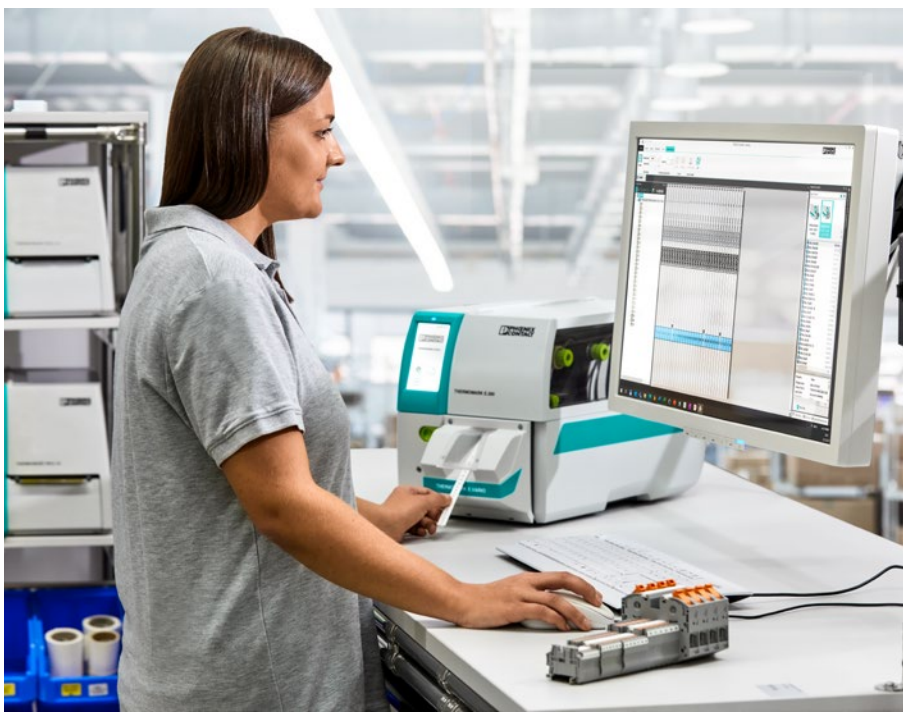
MARKING system software

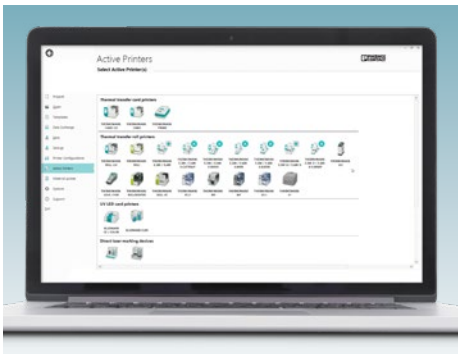
Decentralized marking processes on site

For efficient identification directly at the control cabinet, you can quickly and easily transfer marking projects to the printing and marking systems. Thanks to the MARKING system software, all information is thus shown on the device display. The THERMOMARK E SERIES printers even visualize on the display a digital image of the components to be physically produced, including the marking. In this way, you are guided step by step through the entire identification process, sources of error are reduced, and efficient workflows are made possible even for unskilled workers.

Centralized marking processes

If all identification processes are carried out centrally in a marking cell, it is essential that all marking systems are controlled and managed from one marking software tool. With the help of the MARKING system software, you assign your projects to the printing and marking systems and start the printing processes with just a click. In addition to the common control method via Ethernet, the THERMOMARK E SERIES also offers another advantage. By using the OPC UA bidirectional communication interface, you are informed in real time about the project and operating status of the individual devices. In the event of malfunctions, you can respond quickly and thus minimize downtimes.



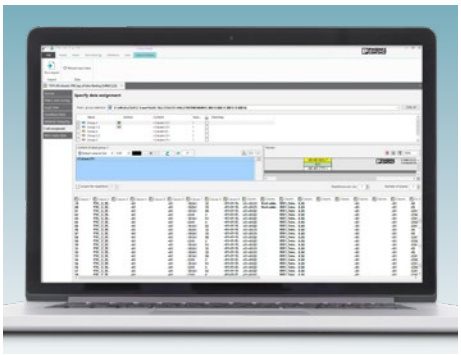


One software tool for all marking systems

All Phoenix Contact marking systems and marking materials are supported with just one software tool. Manage your marking systems with the MARKING system software and control the devices in an instant.

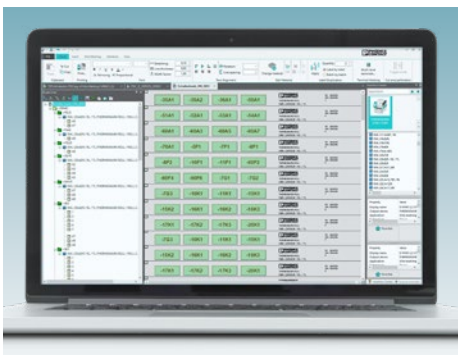
Perfect E-CAD integration

The MARKING system software features powerful interfaces to common E-CAD programs for the efficient creation of marking solutions. This means that application-specific data from digital circuit diagrams can be imported instantly and processed automatically, thus saving time.



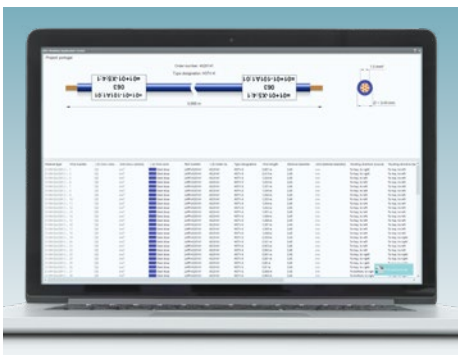
Comprehensive data import manager

Interfaces to various spreadsheet and word processing programs are provided for the open exchange of data. This enables comprehensive design options for creating custom markings for terminal blocks, cables and wires, equipment, and plants.



Structuring with the help of the project tree

Using the project tree, you can easily structure your project in accordance with IEC 81346. Creating, sorting, and reprinting your marking materials for specific areas of your application couldn't be easier. Filtering by printed and unprinted marking materials efficiently supports you in your work.



Easy and efficient wire marking

The Wire Marking Application Center provides a representation of the digital twin of your wire and cable markings. Comprehensive sorting and filtering functions provide you with ideal support for wire marking within your wire preparation process.

Template designer

Design custom labels and adapt existing material descriptions with the powerful template designer. Graphics, bar code types, special characters, safety symbols, and geometric shapes are available for your design.

Marking software

MARKING system app

In addition to stationary identification using the MARKING system software at a central PC workstation, we also offer mobile solutions for identification directly in the application environment using the MARKING system app. The MARKING system app features a unique, mobile interface for the smart selection and creation of marking files right where they are needed.

Software for mobile use

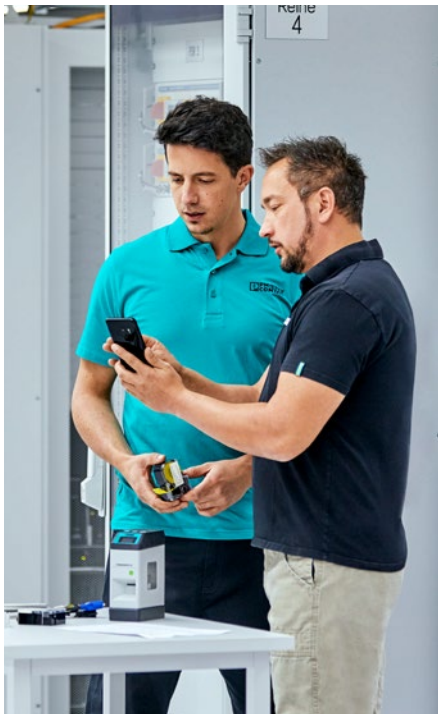
Mobile marking wherever you want

Which marking best suits your requirements? With the help of the MARKING system app, users can quickly and easily find appropriate marking solutions for any requirement. The labels can then be marked on a compatible Phoenix Contact marking system, such as the THERMOMARK GO. Featuring particularly user-friendly and context-sensitive menu navigation, the free app enables an efficient marking process.

Using the integrated assistants, you can quickly and easily select the marking material from more than 3,000 identification solutions. Once the appropriate material has been found, the individual, application-specific identification solution can be designed quickly – without requiring any specialist knowledge. The label templates that are created can be stored for future applications.

The ability to create the necessary marking directly on site is a particular advantage when carrying out service call-outs where components need to be marked retrospectively.

The app is available for iOS and Android operating systems. Automatic updates ensure that the app is available both online and offline at all times. The app features state-of-the-art connectivity and intuitive operation and is available in 19 languages.



Create marking data on the go with the MARKING system app

Your advantages

- ☑ Unique, mobile interface for the smart selection and creation of marking files directly in the application environment
- ☑ Wireless control of the printer via Bluetooth and app start via NFC by simply placing the smart device on the THERMOMARK GO
- ☑ Simplified creation process for application-specific identification solutions with various Application Wizards
- ☑ Frequently used marking solutions are displayed on a product comparison and can be saved as finished marking projects
- ☑ The Application Guide helps you quickly find the right marking solution for your specific requirements

PHOENIX CONTACT
MARKING system

Download on the App Store

GET IT ON Google Play

MARKING system app

The dream team for mobile use: THERMOMARK GO and MARKING system app

The THERMOMARK GO mobile label printer and the MARKING system app allow you to create labels for industrial identification directly on site.

The MARKING system app guides you through the entire printing process. It helps you create the perfect marking solution. By systematically requesting application parameters, the software identifies the ideal solution for your customized terminal, wire and cable, equipment, and plant identification. All technical data for the selected identification solution can be viewed at a glance. In addition to information about material properties and the accessories, the user also finds out which marking system can be used to implement the marking requirements.

Design a durable marking easily on your smart device and control the printer via Bluetooth. High flexibility directly in the application environment speeds up the identification process and makes it more reliable at the same time.

Interaction of the MARKING system app and the THERMOMARK GO

Go here to get to the MARKING system app

Marking Editor

The Marking Editor allows you to create the required markings directly in the application environment via a tablet or smartphone. Numerous editing functions, such as text formatting and symbols, are available.

Application Wizards

The Application Wizards simplify the creation process for application-specific identification solutions for all user groups. These include the Patch Panel Wizard, the Cable Flag Wizard, and the Textfield Matrix Wizard. This means that special application-specific marking solutions can be designed easily and efficiently – without requiring any previous knowledge.

My Projects

Manage your created projects in a structured and clear way, and share them with other end devices, e.g., via Bluetooth, email, etc., if required.

Application Guide

The four overriding filter criteria – application, resistance, approvals, and material properties – enable you to find application-specific marking materials in a structured and simple way, without requiring any specific knowledge in this field.

Product catalog

The digital product catalog containing over 3,000 marking materials enables you to quickly find the right material with the aid of helpful filter functions (e.g., printing system, application, color, etc.).

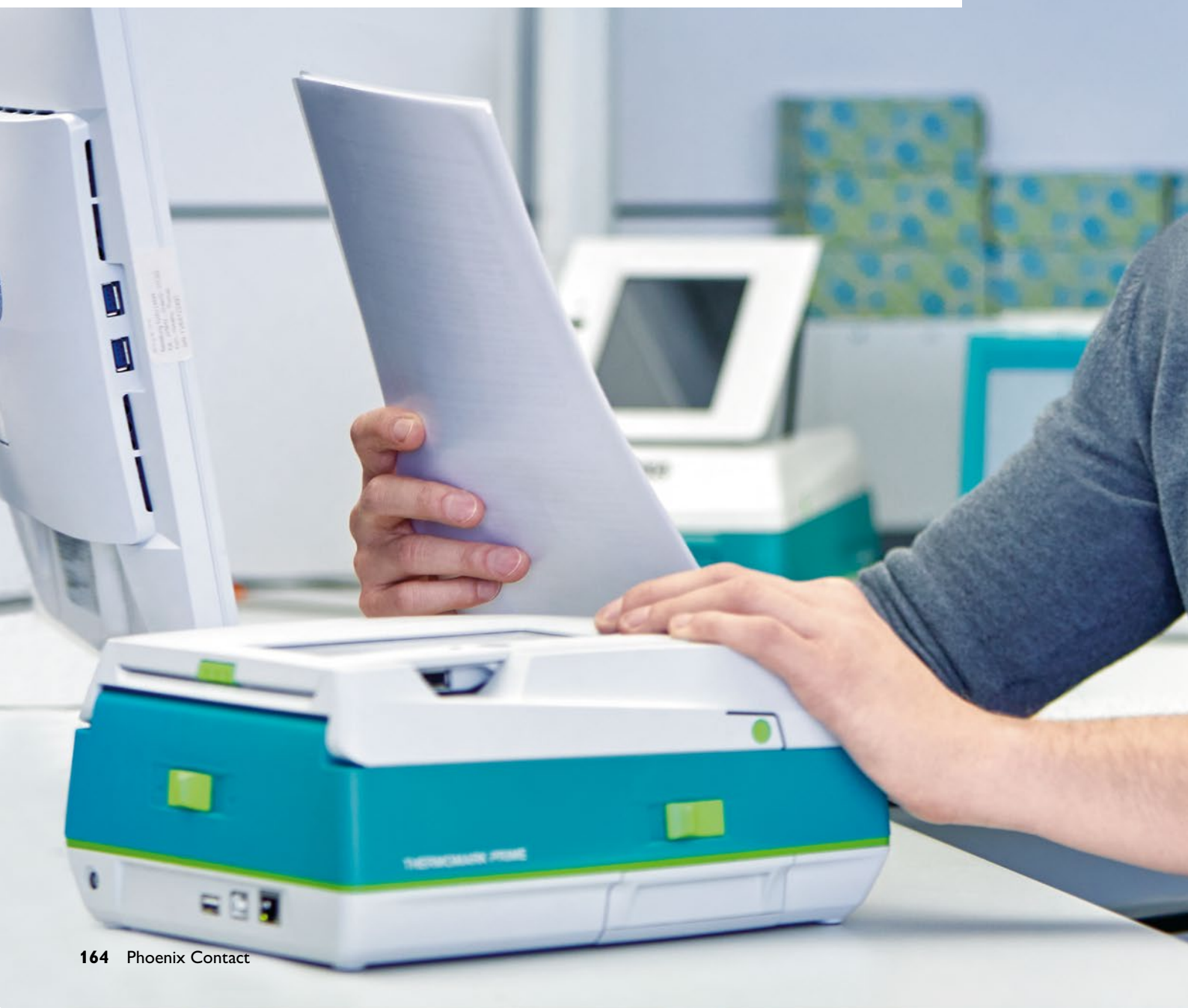
Product detail view

The product display shows all relevant technical information and types of resistance – including a list of the appropriate marking systems plus fluids and ink ribbons.

Services

4

The MARKING system offers high-quality, versatile products for designing your individual identification solution – comprehensively, intuitively, and precisely tailored to your needs. Along with software and hardware for creating your markings, this also includes comprehensive services. We offer customized service concepts tailored to your requirements and processes. This is how we support you in the smooth implementation of your processes, simplifying your day-to-day work.



MARKING system services

With our services, we provide expert support for any pre-sales, sales, or after-sales issues. Whether by email, phone, or directly on site – we are here to assist you at any time with our individual services.

Installation and setup

We set up your marking system, including the preinstalled software and necessary drivers, directly on site. We then provide you with intensive training on how to use the device and software. We process a series of print jobs with you and provide you with the knowledge you need to safely operate the marking system.

Maintenance and repair

Our service technicians will repair and maintain your marking system quickly and precisely. Service for your printer includes testing the firmware, drivers, and marking software, operation in connection with the material being used, a visual inspection, and operational test. Depending on the type of printer, repairs are carried out on site or at one of our worldwide service centers. You will then receive a detailed report listing all of the steps performed and the parts that have been replaced.

Leased devices

Do you need additional marking capacity on a temporary basis, want to meet project-specific marking requirements, or is your marking system being repaired? Our leased devices are available to you for precisely these reasons. After coordinating with you, we send you the device or install it with you on request and train you how to use it safely.

Service packages

With our service packages, we make sure your marking systems are operating perfectly at all times. Benefit from professional support during device installation, regular maintenance, and free repairs. Choose from various packages and select the combination of services that best suits your needs.

Customer-specific marking

Do you need marking materials but you do not have the right printer? No problem – we'll take care of it for you. Order ready-marked identification solutions that are custom-marked in accordance with your wishes. Configurable items are available on our website for your custom printing.

Open communication with customers and partners worldwide

Phoenix Contact is a global market leader based in Germany. We are known for producing future-oriented products and solutions for the electrification, networking, and automation of all sectors of the economy and infrastructure. With a global network reaching across more than 100 countries with over 22,000 employees, we maintain close relationships with our customers, something we believe is essential for our common success.

Our wide range of innovative products makes it easy for our customers to implement the latest technology in a variety of applications and industries. This especially applies to the target markets of energy, infrastructure, industry, and mobility.

You can find your local partner at

phoenixcontact.com

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