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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Industrial identification with thermal transfer printing

MARKING system

Marking solutions

Far from being a luxury, the standard-compliant and permanent marking of the smallest components all the way up to entire industrial systems is actually a mark of quality demanded by customers in respect of modern, high-quality capital goods. Phoenix Contact offers you a wide range of solutions for industrial identification with thermal transfer printing. Professional complete solutions are available for numerous applications; from the right printing system, to PROJECT complete marking software, through to the appropriate marking material. Harmonized state-of-the-art interconnected systems simplify your processes. High-quality components ensure robust, durable, and reliable marking of your working environment.





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MARKING system

Simply easy!

We simplify your daily work – this is the promise backing every industrial marking and identification solution from Phoenix Contact. The MARKING system portfolio offers intuitive and user-friendly solutions for every application, from planning through to finished marking.

Your advantages

- ✓ Everything from a single source, from planning right through to completed marking
- ✓ High-quality results in the shortest time possible, thanks to perfectly coordinated components
- ✓ Time savings, thanks to the rapid integration of our software and devices into existing structures

Printers

Whether laser markers, high-speed UV LED printers, or thermal transfer printers: all of these systems operate using a uniform user-friendly operating menu that provides you with intuitive support as you create your marking.

Services

Expert support for every issue – by e-mail, phone, or directly on site. We stand ready to assist you at any time with services tailored to your individual needs.



Software

Easily plan your terminal strips using the PROJECT complete software, and create the corresponding markings in one work operation.



Material

The MARKING system covers every application with a wide variety of marking materials. Numerous versions are available for marking terminals, conductors and cables, devices and systems to cater for any requirement.



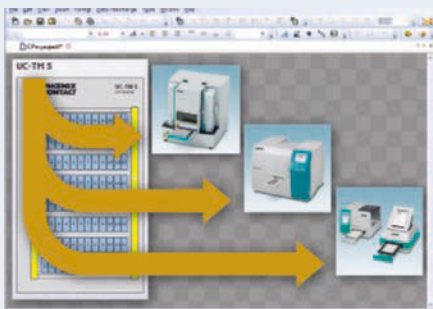
THERMOMARK PRIME

Planning and marking software

... for mobile and stationary use

Regardless of whether you are configuring terminal strips or simply printing marking material – PROJECT complete offers you a comprehensive software solution.

The MARKING system app offers a high degree of flexibility. You can mark and print on the go directly in the application. Furthermore, the app helps you to find the right marking solutions for your requirements.



PROJECT complete

The PROJECT complete planning and marking software consists of two modules:

The planning tool enables quick, convenient, and error-free planning and configuration of terminal strips.

The marking software is used to create individual markings for terminals, cables and lines, equipment, and systems. All Phoenix Contact output devices and standard office printers can be controlled easily with just one software program.

MARKING system app

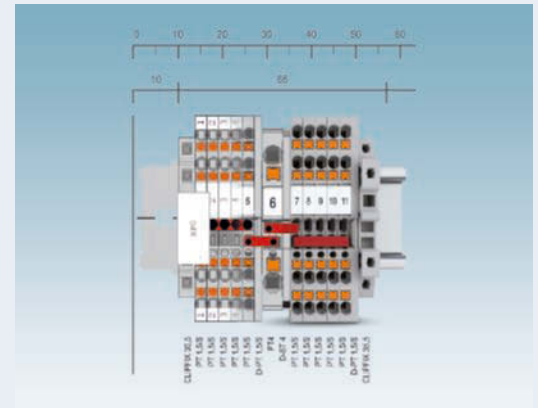
With the MARKING system app, you will be able to find the right marking solution quickly and easily, label marking materials on the go, and also print directly on site whenever necessary (only with the Android version). The app is available for both Android and iOS systems.

Search assistant

Which marking suits your requirements? Using the search assistant, you will be able to find this out – even without any prior knowledge in this field. Simply select the desired parameters in the filter structure with intuitive design. You will immediately receive marking suggestions for your application.

PROJECT complete

The powerful planning and marking software enables fast marking of all Phoenix Contact marking materials tailored to your individual requirements. PROJECT complete supports all Phoenix Contact output devices and, thanks to automatic Internet updates, is always up-to-date.



Technical data	Description	Type	Order no.
CPU 1 GHz or faster RAM 2 GB RAM Hard disk 3 GB available memory Monitor resolution min. 1366 x 768 pixels Operating system MS Windows 7 32/64 MS Windows 8 32/64 MS Windows 10 32/64	Planning and marking software For the configuration of terminal strips and the creation of printing data for terminal, conductor and cable, device and plant marking	PROJECT COMPLETE	1050453

MARKING system app

Retrofit your THERMOMARK LINE printer with the MINI FD BLUETOOTH Bluetooth USB stick. MINI FD BLUETOOTH enables reliable, wireless data exchange between the printers and mobile, Bluetooth-capable devices, such as smartphones and tablet PCs. This is used by the MARKING system app to conveniently send print jobs to the printer.



Technical data	Description	Type	Order no.
Transmission speed 3 Mbps Max. range 10 m (Bluetooth Class 2) Bluetooth version 2.0	Bluetooth USB adapter for wireless data exchange between THERMOMARK LINE printers and mobile, Bluetooth-capable devices operating on the Android system. The MINI FD BLUETOOTH article is only available for European countries.	MINI FD BLUETOOTH	0830986

THERMOMARK CARD

This thermal transfer printer prints marking materials in card and sheet format. You can produce your terminal, conductor, and equipment markings easily and in impressive quality. The compact printer design enables space-saving stationary operation. Automatic material detection lowers the risk of printing errors.

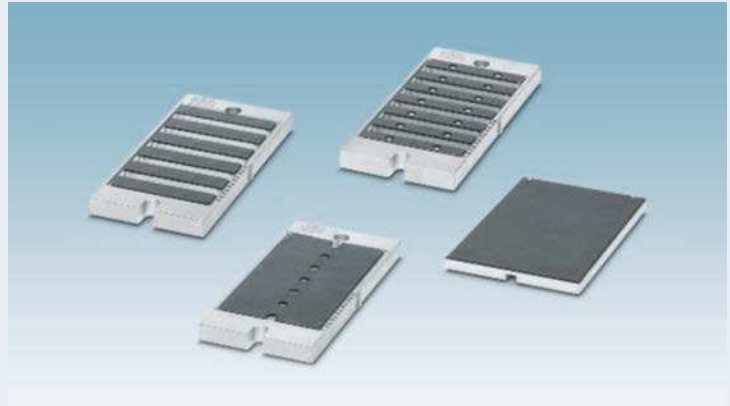


Technical data		Description	Type	Order no.
Print resolution	300 dpi	THERMOMARK CARD , thermal transfer printer for card and sheet material, incl. Euro power cable, US power cable, USB cable, CD with user manual, driver and firmware, German/English user manual, magazine for UCT-TM and US materials, one UCT-TM 5 pack, one US-EMP (85,6X54) pack, one ink ribbon (50 m)	THERMOMARK CARD	5146464
Speed	8 s/sheet			
Interfaces	USB and Ethernet			
Power supply	100 ... 240 V AC 50/60 Hz			
Operation	Touch screen			
Printable material	Plastic sheets, UCT and US format			
Dimensions (WxHxD)	253x189x320 mm	THERMOMARK CARD SET , consisting of THERMOMARK CARD and MARKING NOTEBOOK with German keyboard and the PROJECT complete software	THERMOMARK CARD SET	5147200
Weight	Approx. 6 kg	THERMOMARK CARD SET EN , consisting of THERMOMARK CARD and MARKING NOTEBOOK with English keyboard and the PROJECT complete software	THERMOMARK CARD SET EN	5147201

Accessories	Description	Type	Order no.
	Ink ribbon, ink color: black, length: 300 m, width: 110 mm	THERMOMARK-RIBBON 110-TC	0801371
	Ink ribbon, ink color: white, length: 240 m, width: 110 mm, for US-PML... and US-EMLF...	TM-RIBBON 110-TC/TR WH	1014402
	Ink ribbon, ink color: white, length: 60 m, width: 110 mm, for US-EM(LS)P...	TM-RIBBON 110 WH 100	0804661
	Sturdy transport case with aluminum edges for printers and accessories, for THERMOMARK ROLL or THERMOMARK CARD	TL CASE	0800613

Magazines

The robust magazines serve as receptacles for UniCard marking material. The precise geometry automatically ensures accurately positioned printing. Partly used sheets can be processed again without difficulty.



Magazine	Type	Order no.
US cards	THERMOMARK CARD-US-MAG1	5146451
UCT sheets UCT-TM..., UCT1-TM..., UCT5-TM...	THERMOMARK CARD-UCT-MAG1	5146480
UCT sheets UCT-TMF...	THERMOMARK CARD-UCT-MAG2	5146563
UCT sheets UCT-WMS...	THERMOMARK CARD-UCT-MAG3	5146613
UCT sheets UCT1-TMF...	THERMOMARK CARD-UCT-MAG4	5146614
UCT sheets UCT2-TM...	THERMOMARK CARD-UCT-MAG5	5146615
UCT sheets UCT3-TM...	THERMOMARK CARD-UCT-MAG6	5146616
UCT sheets UCT-WMT..., UCT-EM (17X10)	THERMOMARK CARD-UCT-MAG7	0801734
UCT sheets UCT-EM (17,5X8), UCT-EM (20X7), UCT-EM (15X10)	THERMOMARK CARD-UCT-MAG8	0801735
UCT sheets UCT-EM (12X3,3), UCT-EM (12X6)	THERMOMARK CARD-UCT-MAG9	0801736
UCT sheets UCT-EM (30X5)	THERMOMARK CARD-UCT-MAG10	0801737
UCT sheets UCT-EM (17X10), UCT-EM (20X8)	THERMOMARK CARD-UCT-MAG11	0801738
UCT sheets UCT-EM (10X8), UCT-EM (12X7)	THERMOMARK CARD-UCT-MAG12	8030399
UCT sheets UCT-EM (10X5)	THERMOMARK CARD-UCT-MAG13	0830400
UCT sheets UCT-EM (21X8), UCT-EM (17X8)	THERMOMARK CARD-UCT-MAG14	0830401
UCT sheets UCT-EM (20X9)	THERMOMARK CARD-UCT-MAG15	0830402
UCT sheets UCT-EM (17X9)	THERMOMARK CARD-UCT-MAG16	0830403
UCT sheets UCT-EM (18X8)	THERMOMARK CARD-UCT-MAG17	0830404
UCT sheets UCT-EM (17,5X7,5)	THERMOMARK CARD-UCT-MAG18	0830405
UCT sheets UCT-EM (15X10)	THERMOMARK CARD-UCT-MAG19	0083406
UCT sheets UCT-EM (10X7)	THERMOMARK CARD-UCT-MAG20	0830751
UCT sheets UCT-EM (20X8)	THERMOMARK CARD-UCT-MAG21	0830752
UCT sheets UCT-EM (17,5X9)	THERMOMARK CARD-UCT-MAG22	0830771
UCT sheets UCT6M-TM...	THERMOMARK CARD-UCT-MAG23	0830808
UCT sheets UCT6R-TM...	THERMOMARK CARD-UCT-MAG24	0830809
UCT sheets UCT-WMCO...(12X4)	THERMOMARK CARD-UCT-MAG25	0802935
UCT sheets UCT-EMP...	THERMOMARK CARD-UCT-MAG26	0802988
UCT sheets UCT-WMTBA...	THERMOMARK CARD-UCT-MAG27	0802989
UCT sheets UCT-WMCO...(18X4)	THERMOMARK CARD-UCT-MAG28	0803205

THERMOMARK PRIME

The THERMOMARK PRIME thermal transfer printer prints exactly the same material portfolio as the THERMOMARK CARD, but can also be used as a mobile printer in addition to stationary use. A standalone energy supply and integrated software program which can be operated via the 7" touch display enable use directly on site.



Technical data		Description	Type	Order no.
Print resolution	300 dpi	THERMOMARK PRIME , portable, battery-powered thermal transfer printer with 7" touch display, incl. power supply unit 100 ... 240 V, battery pack, USB connection cable, power supply connection for the socket, black ink ribbon cartridge, terminal marking with 6x pitch, US-EMLP rating plates, magazine for all flat US sheet materials, magazine for all UCT-TM... materials, operating instructions	THERMOMARK PRIME	5148888
Speed	8 s/sheet			
Interfaces	2x USBhost 1x USBdev, LAN RJ45			
Power supply	100 ... 240 V AC 50/60 Hz			
Operation	7" touch display Multicolor			
Printable material	Plastic sheets UCT and US format			
Dimensions (WxHxD)	224x120x292 mm			
Weight	Approx. 6 kg			

Accessories	Description	Type	Order no.
	Black ink ribbon cartridge (standard), length: 70 m	TMP-RIBBON 110 BK 100	0803374
	Black ink ribbon cartridge for selected US materials, length: 60 m, width: 110 mm	TMP-RIBBON 110 BK 101	0803714
	Blue ink ribbon cartridge for selected US materials, length: 60 m, width: 110 mm	TMP-RIBBON 110 BU 100	0803378
	Green ink ribbon cartridge for selected US materials, length: 60 m, width: 110 mm	TMP-RIBBON 110 GN 100	0803380
	Red ink ribbon cartridge for selected US materials, length: 60 m, width: 110 mm	TMP-RIBBON 110 RD 100	0803377
	White ink ribbon cartridge for selected US materials, length: 60 m, width: 110 mm	TMP-RIBBON 110 WH 100	0803376
	Yellow ink ribbon cartridge for selected US materials, length: 60 m, width: 110 mm	TMP-RIBBON 110 YE 100	0803379
	Replacement battery pack (nickel-metal hydride)	TMP/ACCU	0803668
	Battery compartment cover, closes the battery tab on the printer	TMP/ACCU COVER	0803669
	Replacement power supply unit 100 ... 240 V	TMP/EXT.POWER-SUPPLY 100-240V	0803672
	Carry case for the THERMOMARK PRIME (5148888), material and accessories (unequipped)	TMP BAG	0803674
	Backpack for the THERMOMARK PRIME (5148888) and THERMOFOX (0803984), material and accessories (unequipped)	MOBILE BAGPACK	0803717
	Sturdy transport case with aluminum edges for the THERMOMARK PRIME (5148888), material and accessories (unequipped)	TMP CASE	0803675

Note: compatibility of the material with the installed ink ribbon is not guaranteed in all cases. Please check this on our website. For additional information regarding compatibility, please visit phoenixcontact.net/products

Magazines

The robust magazines serve as receptacles for UniCard marking material. The precise geometry automatically ensures accurately positioned printing. The THERMOMARK PRIME does not just recognize the material, but also identifies the magazine. This prevents printing errors. Partly used sheets can be processed again without difficulty.



Magazine	Type	Order no.
US cards	TMP-US-MAG1	0803341
UCT sheets UCT-TM..., UCT1(U)-TM..., UCT5-TM..., UCT-EM (5X10) and (6X10)	TMP-UCT-MAG1	0803342
UCT sheets UCT-TMF...	TMP-UCT-MAG2	0803343
UCT sheets UCT-WMS...	TMP-UCT-MAG3	0803344
UCT sheets UCT1-TMF...	TMP-UCT-MAG4	0803345
UCT sheets UCT2-TM...	TMP-UCT-MAG5	0803347
UCT sheets UCT3-TM...	TMP-UCT-MAG6	0803348
UCT sheets UCT-WMT..., UCT-EM (7X10)	TMP-UCT-MAG7	0803349
UCT sheets UCT-EM (20X7), UCT-EM (17,5X8)	TMP-UCT-MAG8	0803350
UCT sheets UCT-EM (12X3,3), UCT-EM (12X6)	TMP-UCT-MAG9	0803351
UCT sheets UCT-EM (30X5)	TMP-UCT-MAG10	0803352
UCT sheets UCT-EM (17X10)	TMP-UCT-MAG11	0803353
UCT sheets UCT-EM (10X8), UCT-EM (12X7)	TMP-UCT-MAG12	0803354
UCT sheets UCT-EM (10X5)	TMP-UCT-MAG13	0803355
UCT sheets UCT-EM (17X8), UCT-EM (21X8)	TMP-UCT-MAG14	0803356
UCT sheets UCT-EM (20X9)	TMP-UCT-MAG15	0803357
UCT sheets UCT-EM (17X9)	TMP-UCT-MAG16	0803358
UCT sheets UCT-EM (18X8)	TMP-UCT-MAG17	0803360
UCT sheets UCT-EM (17,5X7,5)	TMP-UCT-MAG18	0803361
UCT sheets UCT-EM (15X10)	TMP-UCT-MAG19	0803363
UCT sheets UCT-EM (10X7), UCT-WMTB (29X8)	TMP-UCT-MAG20	0803364
UCT sheets UCT-EM (20X8)	TMP-UCT-MAG21	0803365
UCT sheets UCT-EM (17,5X9)	TMP-UCT-MAG22	0803366
UCT sheets UCT6M-TM...	TMP-UCT-MAG23	0803367
UCT sheets UCT6R-TM...	TMP-UCT-MAG24	0803368
UCT sheets UCT-WMCO ... (12X4)	TMP-UCT-MAG25	0803369
UCT sheets UCT-EMP...	TMP-UCT-MAG26	0803370
UCT sheets UCT-WMTBA...	TMP-UCT-MAG27	0803371
UCT sheets UCT-WMCO ... (18X4)	TMP-UCT-MAG28	0803372
UCT sheets UCT-WMCO ... (23X4)	TMP-UCT-MAG29	0803373
UM strips UM1-TM..., UM5-TM...	TMP-UM-MAG1	0831200
UM strips UM1-TMF...	TMP-UM-MAG3	0831202
UM strips UM1U-TM...	TMP-UM-MAG4	0831203
UM strips UM2-TM...	TMP-UM-MAG5	0803328
UM strips UM3-TM...	TMP-UM-MAG6	0803329
UM strips UM6M-TM...	TMP-UM-MAG7	0803330
UM strips UM6R-TM...	TMP-UM-MAG8	0803331
UM strips UM8-TM...	TMP-UM-MAG9	0803332
UM strips UM7-TM (5X10), UM7-TM (6X10)	TMP-UM-MAG10	0803334
UM strips UM7-TM (8X10)	TMP-UM-MAG11	0803681

THERMOMARK ROLL

This thermal transfer printer has been designed for printing rolls and continuous media. You can easily create accurately printed labels, markers, and shrink sleeves for terminal, conductor and equipment marking. The compact printer design enables space-saving stationary use.



Technical data	Description	Type	Order no.
Print resolution 300 dpi Interfaces USB and Ethernet Power supply 100 ... 240 V AC 50/60 Hz, Operation Touch screen Printable material Labels and shrink sleeve in roll format Dimensions (WxHxD) 253x189x320 mm Weight Approx. 3.5 kg	THERMOMARK ROLL , thermal transfer printer for material off the roll, incl. Euro power cable, US power cable, USB cable, CD with multi-language user manual, driver and firmware, DIN A5 manual German/English, one roll of labels EML (20x8)R, one ink ribbon (50 m)	THERMOMARK ROLL	5146477
	THERMOMARK ROLL SET , consisting of THERMOMARK ROLL and MARKING NOTEBOOK with German keyboard and the PROJECT complete software	THERMOMARK ROLL SET	5147300
	THERMOMARK CARD SET EN , consisting of THERMOMARK ROLL and MARKING NOTEBOOK with English keyboard and the PROJECT complete software	THERMOMARK ROLL SET EN	5147301

THERMOMARK ROLLMASTER

This printer is suitable for marking large quantities and processes all materials off the roll. The easy to operate centering system for the printing material enables the marking of continuous material, e.g. shrink sleeves.

Thanks to its robust design, the THERMOMARK ROLLMASTER is particularly well suited for use in industrial environments.



Technical data		Description	Type	Order no.
Print resolution	300 dpi/600 dpi	THERMOMARK ROLLMASTER 300 Thermal transfer printer, 300 dpi, incl. connecting cable, Windows® printer driver, operating instructions, software	THERMOMARK ROLLMASTER 300	0804501
Interfaces	Ethernet 10/100 Mbps / USB 2.0			
Power supply	100 ... 240 V AC 50/60 Hz			
Operation	Multicolor touch display			
Printable material	Markers, labels and shrink sleeves in roll format	THERMOMARK ROLLMASTER 600 Thermal transfer printer, 600 dpi, incl. connecting cable, Windows® printer driver, operating instructions, software	THERMOMARK ROLLMASTER 600	0804663
Dimensions (W x H x D)	252 x 460 x 288 mm			
Weight	Approx. 10 kg			




THERMOMARK W2

The THERMOMARK W2 has been specially developed for the double-sided printing and perforation of shrink sleeves. Double-sided printing ensures optimum legibility of the marking.





Technical data		Description	Type	Order no.
Print resolution	300 dpi	THERMOMARK W2 Thermal transfer printer, specially for double-sided shrink sleeve printing, incl. perforation knife, connecting cable, Windows® printer driver, operating instructions	THERMOMARK W2	5146147
Interfaces	Serial (RS-232) / USB 2.0 / Ethernet 10/100 Mbps			
Power supply	100 ... 240 V AC 50/60 Hz			
Operation	Navigation pad			
Printable material	Continuous shrink sleeves			
Dimensions (W x H x D)	248 x 405 x 554 mm			
Weight	Approx. 21 kg			

Marking systems and accessories

THERMOMARK ROLL and ROLLMASTER	Description	Type	Order no.
	External media hub, for rolls of 150 ... 400 mm outside diameter (RXL rolls), for THERMOMARK ROLL	THERMOMARK ROLL-ERH	5146448
	External media hub, for rolls of up to 500 mm outside diameter (RXL rolls), for THERMOMARK ROLL	THERMOMARK-ERH 500	5146309
	Cutter, can be fitted retroactively, for cutting continuous media precisely to length for THERMOMARK ROLL	THERMOMARK ROLL-CUTTER	5146422
	Perforation device, can be fitted retroactively, for perforating continuous media for THERMOMARK ROLLMASTER	THERMOMARK ROLL-CUTTER/P	5146435
	Cutter, can be fitted retroactively, for cutting continuous media precisely to length for THERMOMARK ROLLMASTER	THERMOMARK ROLLMASTER-CUTTER	5146765
	Perforation device, can be fitted retroactively, for perforating continuous media for THERMOMARK ROLL X1	THERMOMARK ROLLMASTER-CUTTER/P	5146766
	Adapter screw for using the existing cutter THERMOMARK ROLLMASTER CUTTER and THERMOMARK ROLLMASTER CUTTER/P	TRM-ADAPTER SCREW	0804653
	Sturdy transport case with aluminum edges for printers and accessories, for THERMOMARK ROLL or CARD	TL CASE	0800613
	Transport case	THERMOMARK ROLLMASTER-CASE	0804643
	Cleaning stick, 5 pcs.	CLEANING STICK	5146697

Marking systems and accessories

THERMOMARK LINE roll printer	Description	Type	Order no.	
 	Ink ribbons for the product groups TML..., WML..., WML HF..., WML-FLAG..., WMT..., WMTB..., EML..., EML-ESD..., EML-RM..., EML-HA..., EMLS..., EMLC..., EMLP..., EMLF..., PML... and PMM...			
	Ink ribbon, ink color: black, length: 300 m, width: 110 mm	THERMOMARK-RIBBON 110	5145384	
	Ink ribbon, ink color: black, length: 50 m, width: 110 mm	THERMOMARK-RIBBON 110/50	0800687	
	Ink ribbons for the product groups TMT... and EMT...			
	Ink ribbon, ink color: black, length: 300 m, width: 110 mm	THERMOMARK-RIBBON 110-WMTB HF	5148007	
	Ink ribbons for the product group WMS...			
	Ink ribbon, ink color: black, length: 300 m, width: 110 mm	THERMOMARK-RIBBON 110-WMSU	0801358	
	Ink ribbon, ink color: black, length: 300 m, width: 64 mm	THERMOMARK-RIBBON 64-WMSU	0801360	
	Ink ribbon, ink color: black, length: 300 m, width: 64 mm	THERMOMARK-RIBBON 64-WMSE	5145724	
	Ink ribbon, ink color: black, length: 300 m, width: 25 mm	THERMOMARK-RIBBON 25-WMSU	0803390	
	Ink ribbon, ink color: white, length: 300 m, width: 110 mm	THERMOMARK-RIBBON 110-WMSU WH	0801359	
	Ink ribbon, ink color: white, length: 300 m, width: 64 mm	THERMOMARK-RIBBON 64-WMSU WH	0801361	
	Ink ribbons for the product group WMS-2 HF...			
	Ink ribbon, ink color: black, length: 300 m, width: 110 mm	THERMOMARK-RIBBON 110-WMSU	0801358	
	Ink ribbon, ink color: black, length: 300 m, width: 110 mm	THERMOMARK-RIBBON 110-WMTB HF	5148007	
	Ink ribbon, ink color: black, length: 300 m, width: 64 mm	THERMOMARK-RIBBON 64-WMSU	0801360	
	Ink ribbon, ink color: black, length: 300 m, width: 25 mm	THERMOMARK-RIBBON 25-WMSU	0803390	
	Ink ribbons for the product group WMTB HF...			
	Ink ribbon, ink color: black, length: 300 m, width: 110 mm	THERMOMARK-RIBBON 110-WMTB HF	5148007	
	Ink ribbon, ink color: white, length: 300 m, width: 110 mm	TM-RIBBON 110-WMTB HF WH	0802990	
	Ink ribbon for the product groups PML..., EMLF... and EMLP...			
	Ink ribbon, ink color: white, length: 240 m, width: 110 mm	TM-RIBBON 110-TC/TR WH	1014402	
	Ink ribbon for the product group EML-HT...			
	Ink ribbon, ink color: black, length: 300 m, width: 110 mm	THERMOMARK-RIBBON 110-EML-HT	0800342	
	Ink ribbon for the product group EML-EX...			
	Ink ribbon, ink color: black, length: 280 m, width: 110 mm	TM-RIBBON 110-EX	0803211	

Marking systems and accessories

The THERMOFOX is a printing system for rapid marking on site. The handheld printer processes self-adhesive labels and signs in continuous format, as well as shrink sleeves. The menu selection has a large number of special characters. The THERMOFOX can be connected to other systems via a USB interface. Complex projects can be managed using the PROJECT complete marking software, but also via the THERMOMARK PRIME.



Technical data	Description	Type	Order no.
Print resolution Interfaces Power supply Operation Printable material Dimensions (WxHxD) Weight	203 dpi USB and Ethernet 100 ... 240 V AC 50/60 Hz, Keyboard Labels and shrink sleeve in roll format 230x98x69 mm 620 g	THERMOFOX, portable, battery-powered handheld printer with 2" backlight display, in blister packaging	THERMOFOX 0803984
		THERMOFOX, portable, battery-powered handheld printer with 2" backlight display, in blister packaging, Chinese firmware	THERMOFOX CN 0803985
		THERMOFOX portable battery-powered handheld printer with 2" backlight display and accessories, in hard-shell case	THERMOFOX SET 0803986
		THERMOFOX portable battery-powered handheld printer with 2" backlight display and accessories, in hard-shell case, Chinese firmware	THERMOFOX SET CN 0803987

Accessories	Description	Type	Order no.
	Transport case for safe storage of the printer and accessory parts	THERMOFOX/CASE	0805002
	Flexible transport bag with shoulder strap	THERMOFOX/BAG	0805003
	Power supply unit for operating the printer from the mains	THERMOFOX/ADAPTER	0805010
	Rechargeable battery	THERMOFOX/ACCU	0805009
	Battery charging station for recharging the battery	THERMOFOX/CHARGER	0805012
	Magnetic holder for fastening the printer to metallic surfaces (e.g. on the control cabinet)	THERMOFOX/MAGNET HOLDER	0805008
	Belt clip for fastening the printer	THERMOFOX/BELT CLIP	0805004

Marking systems and accessories

The MARKING BOX contains the THERMOMARK CARD and THERMOMARK ROLL thermal transfer printers, and the Dell Latitude E-family MARKING NOTEBOOK. Windows 10, the PROJECT complete planning and marking software, and all necessary drivers are pre-installed.



Description	Type	Order no.										
MARKING BOX , consisting of the THERMOMARK CARD and THERMOMARK ROLL printers and the MARKING NOTEBOOK with German keyboard	MARKING BOX DE	5147100										
MARKING BOX EN , consisting of the THERMOMARK CARD and THERMOMARK ROLL printers and the MARKING NOTEBOOK with English keyboard	MARKING BOX EN	5147101										
Technical data												
<table border="0"> <tr> <td>Processor</td> <td>Intel® Core™ i3-6100U CPU 230 GHz</td> </tr> <tr> <td>Display</td> <td>14" 1366x768</td> </tr> <tr> <td>Hard drive</td> <td>500 GB SATA</td> </tr> <tr> <td>RAM</td> <td>4 GB DDR4 (2133 MHz)</td> </tr> <tr> <td>Battery</td> <td>Li-ION battery</td> </tr> </table>	Processor	Intel® Core™ i3-6100U CPU 230 GHz	Display	14" 1366x768	Hard drive	500 GB SATA	RAM	4 GB DDR4 (2133 MHz)	Battery	Li-ION battery	<p>All specifications describe the configuration at the time of going to print. Subject to modifications in the interest of technical progress or product improvements.</p>	
Processor	Intel® Core™ i3-6100U CPU 230 GHz											
Display	14" 1366x768											
Hard drive	500 GB SATA											
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Battery	Li-ION battery											

Industrial identification

Environmental tests

Marking materials and their markings must remain intact, depending on their area of application. To ensure clear and permanent marking, the properties of the base material may not change too drastically. The quality of the printing must remain constant. Phoenix Contact only uses tested materials that fulfil the requirements set by these standards in every respect.

Flammability classification in accordance with UL 94

UL 94 describes the behavior of materials in fire. During UL 94 V0/1/2 testing, the test bar is clamped vertically and a flame is applied every 10 seconds. Between each application, the time it takes for the test bar to extinguish is measured. The afterflame times and the drip behavior are then evaluated.

If the test bar burns after each application of a flame for <10 s and the cotton batting below the test bar does not ignite, a flammability rating of V0 is assigned and the material is classified as self-extinguishing.



DIN EN ISO 4892-2

To simulate multiple 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.



DIN EN ISO 175

Liquid oils and chemicals can start 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 stand up to these influences.



**DIN EN ISO 61010-1 and
DIN EN 62208**

To ensure wipe resistance of markings in an industrial environment, the markings undergo a test with isopropanol, n-hexane and petroleum ether. To this end, a cloth is soaked in the respective chemical and wiped over the marking material with a defined force for 30 s. Afterwards, the marking has to be clearly legible.



DIN 50018

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



IEC 60068-2-11/-52

Particularly in ship building and in offshore applications, the markings must resist 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.

Industrial identification

Environmental tests

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 abrasions caused by industrial cleaning agents must not render the marking illegible. Furthermore, the marking materials must also be securely fixed even when subject to vibration. The materials used by Phoenix Contact fully satisfy all standards and requirements in this area.

FINAT test methods

There are a total of 24 FINAT test methods for adhesive label material. Phoenix Contact tests label materials in accordance with the test methods 1, 2, and 9.

Test methods 1 and 2 test the permanent adhesion to various base materials at peeling angles of 180° and 90°, respectively. In contrast to these, test method 9 tests the initial adhesive strength (loop tack). This is the force necessary to separate a loop of the test material that is affixed to a test surface at a specified speed.



DIN EN ISO 1518

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



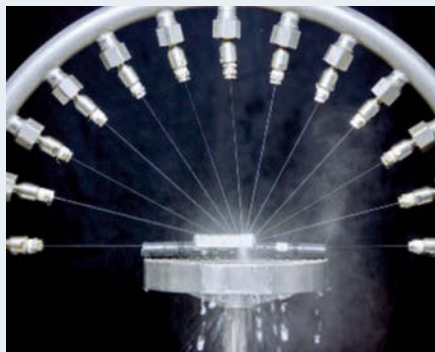
DIN EN ISO 2409

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



FINAT 1, 2, and 9

To determine the adhesive strength of a label on a base material, a strip of labels (25 mm x 175 mm) is applied with a specified force. The test sample is then removed after a defined wait time, at a pre-defined angle, at 300 mm/min. The adhesive strength is specified in N/25 mm.



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 intrusion of foreign bodies, the second the tightness against humidity.



DIN EN 50155

To simulate vibration stress that occurs in practice (e.g. in the rail industry) the marking materials are exposed to vibration resistance at increasing and decreasing frequencies and amplitudes. They are tested in the three axes (x, y, z) for five hours each, and must not be damaged and their secure positioning must not have been impacted.

Card and sheet formats

The THERMOMARK CARD and THERMOMARK PRIME thermal transfer printers print plastic markers in the UniCard and UniSheet formats very rapidly and to an exceptional quality.

While the THERMOMARK CARD is intended for stationary use, the THERMOMARK PRIME is suitable for both stationary use and mobile use on site.

The comprehensive material range includes markings for numerous applications for terminal block, cable and conductor, equipment and plant marking.

Advantages of the UniCard and UniSheet formats:

- Simple handling
- Simple separation
- Simple mounting

Advantages of the THERMOMARK PRIME:

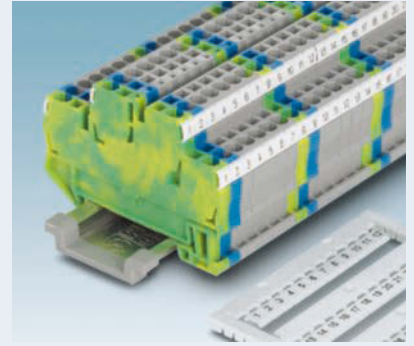
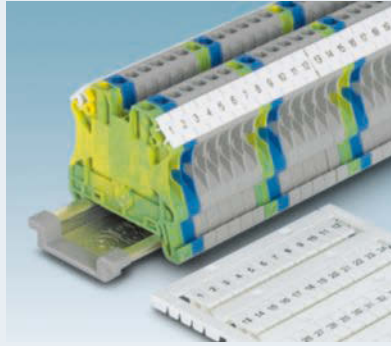
- The ink ribbon can be replaced in less than 10 seconds
- 100% independent, thanks to replaceable high-performance rechargeable batteries
- Uncomplicated data entry with fully integrated marking software
- Simple operation via an adjustable multi-touch display




Terminal marking for Phoenix Contact terminals


UniCard UCT-TM... and UCT-TMF...

The UCT-TM... range is ideal for the quick and precise marking of terminal blocks with a high marker groove. The UCT-TMF... markers can be used for terminal blocks with a flat marker groove. Both markers are available in all standard pitches and colors.



Polycarbonate -40°C ... +120°C	Terminal width [mm]	Markers per sheet	Pcs./Pkt.	Type	Order no.
					WH
	3.5	102	10	UCT-TM 3,5	0829484
	3.5	102	10	UCTU-TM (3,5X7)	0803666
	4.2	84	10	UCT-TM 4	0828732
	5.2	72	10	UCT-TM 5	0828734
	6.2	60	10	UCT-TM 6	0828736
	7.62	48	10	UCT-TM 7,62	0828738
	8.2	42	10	UCT-TM 8	0828740
	10.2	36	10	UCT-TM 10	0829142
	12	30	10	UCT-TM 12	0829144
	16	18	10	UCT-TM 16	0829146

Terminal width [mm]	Markers per sheet	Pcs./ Pkt.	Type	Order no.					
				BU	GN	OG	RD	VT	YE
3.5	102	10	UCT-TM 3,5...	0829508	0829509	0829506	0829505	0829507	0829485
4.2	84	10	UCT-TM 4...	0829152	0829153	0829150	0829149	0829151	0828733
5.2	72	10	UCT-TM 5...	0829157	0829158	0829155	0829154	0829156	0828735
6.2	60	10	UCT-TM 6...	0829162	0829163	0829160	0829159	0829161	0828737
7.62	48	10	UCT-TM 7,62...	0829513	0829514	0829511	0829510	0829512	0828739
8.2	42	10	UCT-TM 8...	0829167	0829168	0829165	0829164	0829166	0828741
10.2	36	10	UCT-TM 10...	0829172	0829173	0829170	0829169	0829171	0829143
12	30	10	UCT-TM 12...	0829177	0829178	0829175	0829174	0829176	0829145
16	18	10	UCT-TM 16...	0829182	0829183	0829180	0829179	0829181	0829147

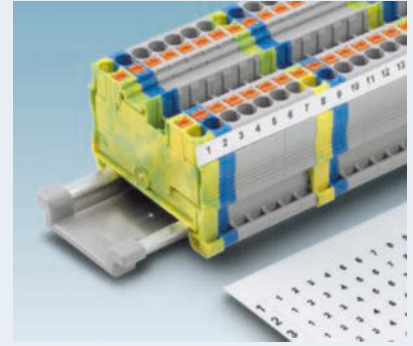
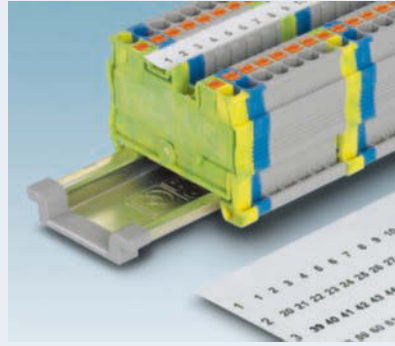
Polycarbonate -40°C ... +120°C	Terminal width [mm]	Markers per sheet	Pcs./Pkt.	Type	Order no.
					WH
	3.5	108	10	UCT-TMF 3,5	0829486
	4.2	90	10	UCT-TMF 4	0828742
	5.2	72	10	UCT-TMF 5	0828744
	6.2	60	10	UCT-TMF 6	0828746
	8.2	42	10	UCT-TMF 8	0828748
	10.2	36	10	UCT-TMF 10	0829204
	12	30	10	UCT-TMF 12	0829214
	16	24	10	UCT-TMF 16	0829218


Terminal width [mm]	Markers per sheet	Pcs./ Pkt.	Type	Order no.					
				BU	GN	OG	RD	VT	YE
3.5	108	10	UCT-TMF 3,5...	0829518	0829519	0829516	0829515	0829517	0829487
4.2	90	10	UCT-TMF 4...	0829187	0829188	0829185	0829184	0829186	0828743
5.2	72	10	UCT-TMF 5...	0829192	0829193	0829185	0829189	0829191	0828745
6.2	60	10	UCT-TMF 6...	0829197	0829198	0829195	0829194	0829196	0828747
8.2	42	10	UCT-TMF 8...	0829202	0829203	0829200	0829199	0829201	0828749
10.2	36	10	UCT-TMF 10...	0829209	0829210	0829206	0829205	0829208	0829207
12	30	10	UCT-TMF 12...	0829216	0829217	0829213	0829212	0829215	0829211
16	24	10	UCT-TMF 16...	0829223	0829224	0829220	0829219	0829222	0829221

Terminal marking for Phoenix Contact terminals

UniSheet US-TM... and US-TMF...

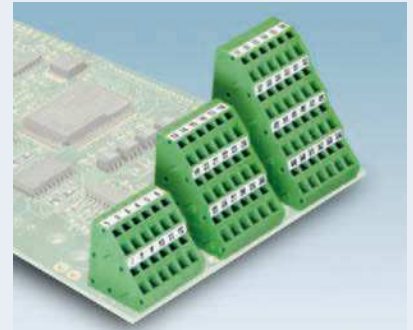
US-TMF 100 for easy cost-effective marking of terminal blocks with high and flat marker grooves. US-TM 100 has been specially designed for marking terminals with universal marker grooves, such as the PT... range.




Polyvinyl chloride -30°C ... +80°C	Material width [mm]	Markers per card	Pcs./Pkt.	Type	Order no.
					WH
	Unperforated 104	13	10	US-TM 100	0829255
	Unperforated 104	20	10	US-TMF 100	0829260
	Unperforated 104	20	10	US-TMLF 100	0830339
	Unperforated 104	12	10	US2-TM 100	0829268

UniSheet US-TML...

The self-adhesive marker strips were developed especially for the quick and easy marking of connection terminal blocks and plugs. They are a reliable option for durable marking.




Polyester -40°C ... +150°C	Material width [mm]	Markers per card	Pcs./Pkt.	Type	Order no.
					WH
	Unperforated 104	26	10	US-TML (104X2,8)	0830767
	Unperforated 104	22	10	US-TML (104X3,8)	0830768
	Unperforated 104	19	10	US-TML (104X5)	0830769
	Unperforated 104	11	10	US-TML (104X10)	0830770


Terminal marking for terminals made by other manufacturers

UniCard UCT...-TM.../UCT...-TMF... and UniSheet US...-TM 100

UniCard and UniSheet markers are also available in a variety of common pitches and colors for the individual marking of terminal blocks by other manufacturers.



Polycarbonate -40°C ... +120°C		Terminal width [mm]	Markers per sheet	Pcs./Pkt.	Type	Order no. WH		
		5.2	72	10	UCT1-TM 5	0829482		
		5.2	72	10	UCT1U-TM 5	0803204		
		6.2	60	10	UCT1-TM 6	0829483		
		5.2	72	10	UCT1-TMF 5	0829237		
		6.2	60	10	UCT1-TMF 6	0829243		
Terminal width [mm]	Markers per card	Pcs./Pkt.	Type	Order no.				
				BU	GN	OG	RD	YE
5.2	72	10	UCT1-TM 5...	0829229	0829230	0829226	0829226	0829228
6.2	60	10	UCT1-TM 6...	0829235	0829236	0829232	0829232	0829234
5.2	72	10	UCT1-TMF 5...	0829241	0829242	0829239	0829238	0829240
6.2	60	10	UCT1-TMF 6...	0829247	0829248	0829245	0829244	0829246

Polycarbonate -40°C ... +120°C		Terminal width [mm]	Markers per sheet	Pcs./Pkt.	Type ¹⁾	Order no. WH
		5.0 ... 6.0	72	10	UCT2-TM 5/6	0829249
		5	72	10	UCT3-TM 5	0829251
		6	60	10	UCT3-TM 6	0829252
		5	66	10	UCT5-TM 5	0828750
		6	54	10	UCT5-TM 6	0828752
		5	60	10	UCT6M-TM 5	0830756
		6	50	10	UCT6M-TM 6	0830757
		8	35	10	UCT6M-TM 8	0830758
		5	60	10	UCT6R-TM 5	0830753
		6	50	10	UCT6R-TM 6	0830754
		8	35	10	UCT6R-TM 8	0830755

- ¹⁾ UCT1-TM ... = markers for marking terminals made by Weidmüller, CONTA-CLIP, and Klemsan
 UCT1-TMF ... = markers for marking terminals made by Weidmüller, Wago, ABB (Entrelec), CONTA-CLIP, and Klemsan
 UCT2-TM 5/6 = markers for marking terminals made by Wago
 UCT3-TM ... = markers for marking terminals made by Wieland and Legrand
 UCT5-TM ... = markers for marking terminals made by Cabur
 UCT6M ... = markers for marking terminals made by ABB
 UCT6R-TM ... = markers for marking terminals made by Entrelec