THERMOMARK LINE

The easy way of printing

PHOENIX CONTACT
INSPIRING INNOVATIONS

PHOENIX CONTACT – In dialog with customers and partners worldwide

Phoenix Contact is one of the leading manufacturers of electrical connection and industrial automation technology. Founded over 80 years ago, the company now employs 9900 people all over the world, more than 5500 of whom are based in Germany. A sales network with over 46 subsidiaries and more than 30 additional sales partners guarantees customer proximity directly on site, anywhere in the world.

The product range comprises first-class components, systems and services for a wide range of applications – the offer ranges right from modular terminal blocks to interface technology, PCB connection methods, solutions for surge protection all the way to hardware and software solutions for the automation of industrial systems.

Global player with personal customer contact

Company independence is an integral part of our corporate policy.
Phoenix Contact therefore relies on in-house competence and expertise in a range of contexts: the design and development departments constantly come up with innovative product ideas, developing special solutions to meet customer requirements. Numerous patents emphasize the fact that many products are own-grown Phoenix Contact developments.

THERMOMARK LINE

THERMOMARK LINE from Phoenix Contact is the intelligent solution for the quick and easy labeling of terminal blocks, conductors and devices. The system comprises two different thermal transfer printers, the THERMOMARK CARD and the THERMOMARK ROLL, a high-quality notebook with pre-installed CLIP PROJECT planning and marking software and a wide range of marking materials in card, sheet and roll format.

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THERMOMARK LINE –

a seamless system from planning through to the finished printed application

Software

Printer

THERMOMARK LINE - software and hardware made to match for quick and easy labeling of your applications. A wide range of software-controlled terminal block, conductor and device marking materials are available for the labeling of your entire application, irrespective of which printer system you opt for.

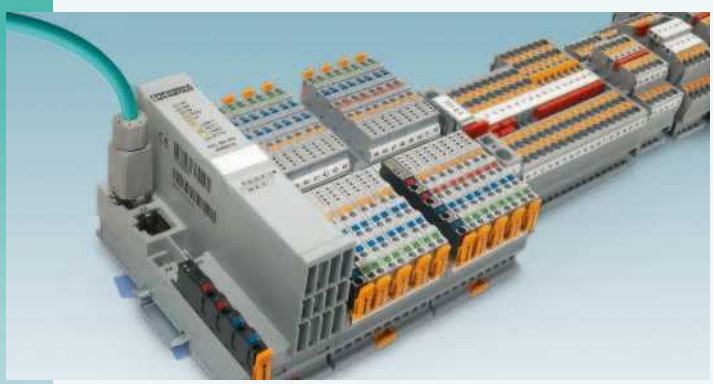
Material

THERMOMARK CARD

THERMOMARK ROLL

Marker carriers

Matrix



THERMOMARK CARD

This thermal transfer printer prints marking materials in card and sheet format. You can mark your terminal blocks, conductors and devices easily and to a high quality. The low weight and compact design of the printer also allow for mobile use on-site.

Technical data	
Print resolution	300 dpi
Speed	8 sec/sheet
Interfaces	USB and Ethernet
Power supply	100 - 240 V ~ 50/60Hz, PFC
Operation	Touch screen
Printable material	Plastic sheets, UCT and US format
Dimensions (W x H x D)	253 x 189 x 320 mm
Weight	approx. 6 kg

Description	Type	Order No.
THERMOMARK CARD, thermal transfer printer for card and sheet material, incl. Euro mains cable, US mains cable, USB cable, CLIP PROJECT advanced software, CD with multi-language usermanual, driver and firmware, DIN A5 manual German/English, magazine for UCT-TM materials, magazine for US materials, one UCT-TM 5, one US-EMP (85.6 x 54), one ink ribbon (50-meter sample roll)	THERMOMARK CARD	**5146464**
THERMOMARK CARD SET, consisting of THERMOMARK CARD and MARKING NOTEBOOK with German keyboard and the CLIP PROJECT professional software	THERMOMARK CARD SET	**5147200**
THERMOMARK CARD SET EN, consisting of THERMOMARK CARD and MARKING NOTEBOOK with English keyboard and the CLIP PROJECT professional software	THERMOMARK CARD SET EN	**5147201**

THERMOMARK CARD accessories	Description	Type	Order No.
	Magazine for US cards	THERMOMARK CARD - US-MAG1	**5146451**
	Magazine for UCT sheets [UCT-TM..., UCT1-TM…, UCT5-TM…]	THERMOMARK CARD - UCT-MAG1	**5146480**
	Magazine for UCT sheets [UCT-TMF…]	THERMOMARK CARD - UCT-MAG2	**5146563**
	Magazine for UCT sheets [UCT-WMS…]	THERMOMARK CARD - UCT-MAG3	**5146613**
	Magazine for UCT sheets [UCT1-TMF…]	THERMOMARK CARD - UCT-MAG4	**5146614**
	Magazine for UCT sheets [UCT2-TM…]	THERMOMARK CARD - UCT-MAG5	**5146615**
	Magazine for UCT sheets [UCT3-TM...]	THERMOMARK CARD - UCT-MAG6	**5146616**
	Ink ribbon, ink color: black, length 300 m, width 110 mm	THERMOMARK-RIBBON 110-TC	**080137 1**
	Stable transport case with aluminum edges for printers and accessories	TL CASE	**0800613**

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 block, conductor and device marking. The compact printer is also suitable for mobile use.

Technical data	
Print resolution	300 dpi
Interfaces	USB and Ethernet
Power supply	100 - 240 V ~ 50/60Hz, PFC
Operation	Touch screen
Printable material	Labels and shrink sleeve in roll format
Dimensions (W x H x D)	253 x 189 x 320 mm
Weight	approx. 3.5 kg

Description	Type	Order No.
THERMOMARK ROLL, thermal transfer-printer for roll material, incl. Euro mains cable, US mains cable, USB cable, CLIP PROJECT advanced software, CD with multi-language user manual, driver and firmware, DIN A5 manual German/English, one roll of labels EML (20x8) with 1000 labels, one ink ribbon (50-meter sample roll)	THERMOMARK ROLL	**5146477**
THERMOMARK ROLL SET, consisting of THERMOMARK ROLL and MARKING NOTEBOOK with German keyboard and the CLIP PROJECT professional software	THERMOMARK ROLL SET	**5147300**
THERMOMARK ROLL SET EN, consisting of THERMOMARK ROLL and MARKING NOTEBOOK with English keyboard and the CLIP PROJECT professional software	THERMOMARK ROLL SET EN	**5147301**

THERMOMARK ROLL accessories	Description	Type	Order No.
	External media hub, for rolls of 150 to 305 mm outside diameter (RL rolls)	THERMOMARK ROLL-ERH	**5146448**
	External media hub, for rolls of up to 500 mm outside diameter (RXL rolls)	THERMOMARK-ERH 500	**5146309**
	Cutter, can be assembled later, for cutting continuous media precisely to length	THERMOMARK ROLL-CUTTER	**5146422**
	Perforation device, can be assembled later, for perforating continuous media	THERMOMARK ROLL-CUTTER/P	**5146435**
	Ink ribbon, ink color: black, length 300 m, width 110 mm	THERMOMARK-RIBBON 110	**5145384**
	Ink ribbon, ink color: blue, length 300 m, width 110 mm	THERMOMARK-RIBBON 110 BU	**0829544**
	Ink ribbon, ink color: green, length 300 m, width 110 mm	THERMOMARK-RIBBON 110 GN	**0829542**
	Ink ribbon, ink color: red, length 300 m, width 110 mm	THERMOMARK-RIBBON 110 RD	**0829543**
	Ink ribbon, ink color: black, length 300 m, width 110 mm, for high-temperature labels	THERMOMARK-RIBBON 110-EMLHT	**0800342**
	Ink ribbon for labeling shrink sleeves, ink color: black, length 300 m, width 110 mm	THERMOMARK-RIBBON 110-WMSU	**0801358**
	Ink ribbon for labeling shrink sleeves, ink color: white, length 300 m, width 110 mm	THERMOMARK-RIBBON 110-WMSU WH	**0801359**
	Stable transport case with aluminum edges for printers and accessories	TL CASE	**0800613**

CLIP PROJECT...

The high-performance planning and marking software enables quick configuration and labeling for the control cabinet and in the field. With the click of a mouse, the software retrieves all data from electrical planning systems and automatically places the correct products and their markings in graphics and parts lists. CLIP PROJECT... supports all output devices from Phoenix Contact and, thanks to automatic Internet updates, is always up-to-date.

Technical data		Description	Type	Order No.
CPU Main memory/ hard disk space Drive Monitor resolution Operating equipment Operating systems	Pentium II > 400 MHz 128 MB/2GB CD-ROM 1024x768 Mouse recommended Windows Vista Windows XP Windows 7	**CLIP PROJECT advanced**, planning and marking software in German, English, French, Italian, Spanish, Russian, Polish, Hungarian, Czech, Portuguese, Chinese Software is included in the scope of supply of the THERMOMARK CARD and THERMOMARK ROLL.	CLIP PROJECT ADVANCED	**5146040**
		CLIP PROJECT professional, extended version of CLIP PROJECT advanced with additional template designer, for designing your own marking material. Software is included in the scope of supply of the MARKING BOX and is pre-installed on the MARKING Notebook.	CLIP PROJECT PROFESSIONAL	**5146053**

MARKING BOX

MARKING BOX...

This is the complete labeling system for all applications in terminal block, conductor and device marking.
The box contains the THERMOMARK CARD and THERMOMARK ROLL thermal transfer printers, plus a high-performance notebook with the CLIP PROJECT professional planning and marking software pre-installed. The system guarantees quick startup without the need for installation or configuration work (Plug'n'Print).

Description	Type	Order No.
MARKING BOX, consisting of the THERMOMARK CARD and THERMOMARK ROLL printers, plus the MARKING NOTEBOOK with German keyboard	MARKING BOX	**5147100**
MARKING BOX EN, consisting of the THERMOMARK CARD and THERMOMARK ROLL printers, plus the MARKING NOTEBOOK with English keyboard	MARKING BOX EN	**5147101**
THERMOMARK CARD SET, consisting of THERMOMARK CARD and MARKING NOTEBOOK with German keyboard	THERMOMARK CARD SET	**5147200**
THERMOMARK CARD SET EN, consisting of THERMOMARK CARD and MARKING NOTEBOOK with English keyboard	THERMOMARK CARD SET EN	**5147201**
THERMOMARK ROLL SET, consisting of THERMOMARK ROLL and MARKING NOTEBOOK with German keyboard	THERMOMARK ROLL SET	**5147300**
THERMOMARK ROLL SET EN, consisting of THERMOMARK ROLL and MARKING NOTEBOOK with English keyboard	THERMOMARK ROLL SET EN	**5147301**

MARKING NOTEBOOK

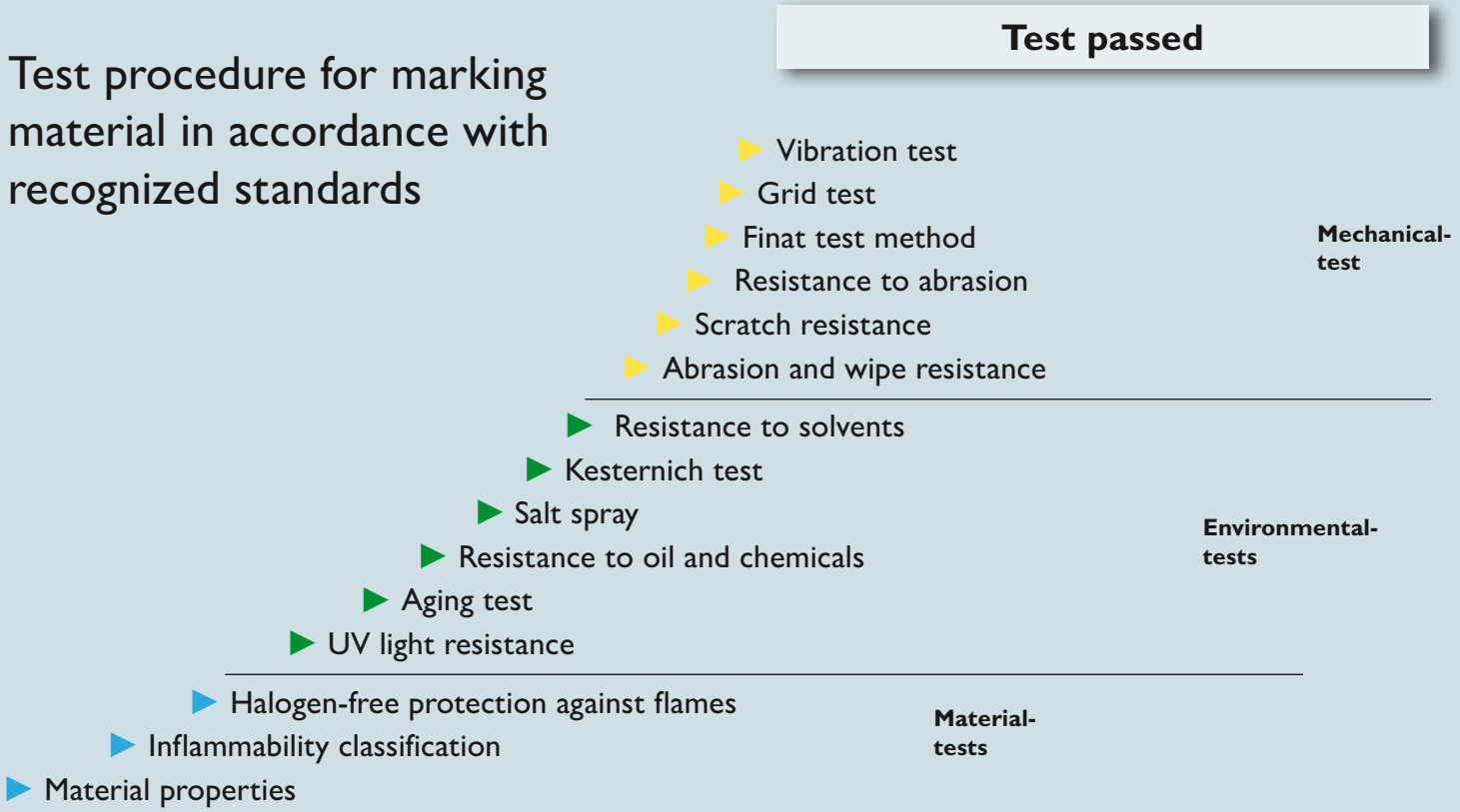
The notebook from the Dell Latitude TM E range transforms the new THERMOMARK printers into a complete marking system. It is characterized by reliability, a long service life and a professional design.
Windows 7, CLIP PROJECT professional marking software and all of the required drivers are pre-installed and guarantee a quick startup of the entire system. Simply connect the notebook and printer via USB and you're done (Plug'n'Print).

Technical data	
Processor	One Intel®Core TM i3
Display	14" WXGA widescreen
Hard disk	160 GB with 5,400 rpm (serial ATA)
Main memory	DDR 3 with 2 GB and 1333 MHz
Battery	Li-ION battery with 37 Wh

The information describes the configuration at the time of going to print.
Subject to modifications in the interest of technical progress or product improvements.

THERMOMARK LINE –
marking expertise

Test procedure for marking material in accordance with recognized standards



Material properties

Polyamide (PA)
Even at high operating temperatures, polyamide has excellent electrical, mechanical, chemical and thermal properties. Brief peak temperatures of up to 200°C are permissible as a result of heat aging stabilization. Polyamide absorbs moisture from its surroundings, on average 2.8%. However, this moisture is not crystallization water in the plastic itself, but chemically bonded H2O groups in the molecular structure. This makes the plastic flexible and resistant to breakage, even at temperatures as low as -60°C. PA belongs to inflammability class V2 to V0 as per UL 94. Polyamide, used by Phoenix Contact, is silicone- and halogen-free and is suitable for use in temperatures between -60°C and +125°C.

Polycarbonate (PC)
Polycarbonate has a high mechanical strength and chemical resistance. Rigidity, dimensional stability and good heat distortion resistance are further distinguishing features of this material. Polycarbonate is used to manufacture particularly smooth and stable marking materials. Polycarbonate, used by Phoenix Contact, absorbs little moisture, is silicone- and halogen-free and is suitable for use in temperatures between -40°C and +125°C.

Polyvinyl chloride (PVC)
PVC has a long service life. It is characterized by its high mechanical strength and chemical resistance. Neither oxygen nor ozone affects PVC. The material is resistant to corrosive salt solutions and most acids. Polyvinyl chloride, used by Phoenix Contact, is silicone-free and is suitable for use in temperatures between -30°C and +80°C.

Polyester
Polyester is a chemical-resistant material. It is ideally suited to printing, shaping and punching. Polyester is resistant to UV radiation and absorbs little moisture. Polyester, used by Phoenix Contact, is silicone- and halogen-free. Depending on its composition, it is suitable for use in temperatures between -40°C and +150°C.

Polyolefins
Polyolefins are semi-crystalline thermoplastics, which can be easily processed as extrusion profiles (shrink sleeves). They are characterized by good chemical resistance. Silicone-free, temperature range: -55°C to +125°C.

Polyethylene (PE)
Polyethylene is a thermoplastic material which is highly resistant to acids, alkalis and other solvents. PE absorbs hardly any moisture and has a high durability and breaking elongation. Silicone- and halogen-free, temperature range: -40°C to +80°C.

Halogen-free
The term halogen-free, based on international standards for the basic materials for PCBs (e.g. IEC 61249-2-21, IPC 4101 C), relates to the elements chlorine and bromine in flame protection agents. This also forbids the use of flame protection agents containing halogen in accordance with DIN EN ISO 1043-4. This means that, according to the definition in the ZVEI position paper (requirements for the use of halogen-free products in the electrical and electronics industry), no flame protection agents containing halogen or PVC are present in the components.

Inflammability classification

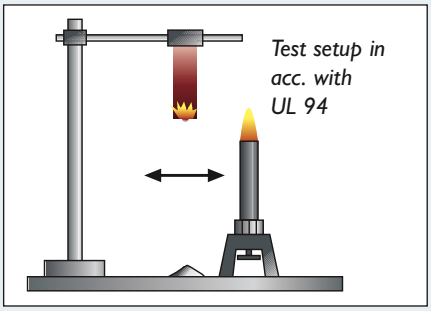
▶UL 94

UL 94 describes inflammability tests that have gained particular importance in the field of electrotechnology. Behavior in fire is the main focus. Items are classified according to either UL 94 HB (Horizontal Burn) or UL 94 V (Vertical Burn). The test setup is such that the 94 V0/1/2 classifications are stricter than the 94 HB classification.

UL 94 V0/1/2
After conditioning, the test bar is vertically clamped and flame-treated several times for 10 seconds each.

Between the flame treatments, the time until the test bar is extinguished is measured. The afterglow time and dripping properties are then assessed.
The performance of the test as per this standard is not suitable for foils and/or very thin test objects that shrink under the thermal aging of the flame.

The plastic used for Phoenix Contact products fulfills the higher-grade criteria.


Test setup in acc. with UL 94

Classification

	UL 94 V0	UL 94 V1	UL 94 V2	UL 94 HB
Burning time after each flame treatment	≤ 10 s	≤ 30 s	≤ 30 s	–
Total burning time after 10 flame treatments	≤ 50 s	≤ 250 s	≤ 250 s	–
Glowing time after the 2nd flame treatment	≤ 30 s	≤ 60 s	≤ 60 s	–
Complete burn-off	No	No	No	Yes
Inflammation of the absorbent cotton under the sample	No	No	Yes	–

Halogen-free protection against flames

▶DIN EN ISO 1043-4

Halogens are the chemical elements astatine, fluorine, chlorine, bromine and iodine. One characteristic of the halogen compounds of bromine and chlorine relates to the reduction in the degree of inflammability when plastics are used. In the event of fire, poisonous corrosive gases are formed, which can also lead to secondary damage as a result of the extinguishing water. For this reason, Phoenix Contact does not use any flame protection agents which contain halogen or other additives. Polyamide, polycarbonate, polycarbonate/acrylnitrile butadiene styrene, acrylnitrile butadiene styrene, and polyolefins feature halogen-free flame protection systems.

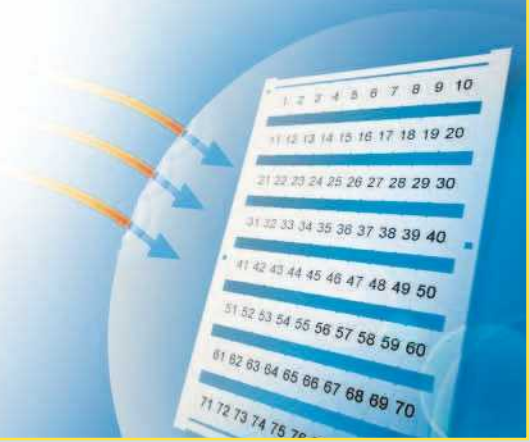
UV light resistance

►DIN EN ISO 4892-2 and DIN EN ISO 60068-2-5

In addition to infrared radiation, the solar radiation affecting the surface of the earth has radiation ranges from the UV-A and UV-B spectrum. Depending on the plastic used, the UV-B part of the wavelength of 320 nm induces a more or less strong molecular decomposition that is responsible for a considerable restriction of the plastic's mechanical property profile. Even the properties of printings and labelings can undergo damage to a greater or lesser extent due to this UV radiation, resulting in fading which can even lead to complete illegibility.

If plastics and their printings and labelings are often subjected to day/night cycles outdoors, condensation may appear on the surface in the form of water droplets, which can act similarly to magnifying glasses when the sunshine returns, thus intensifying the radiation effect. The UV-B part of the solar spectrum in particular leads to an impairment of the plastic's mechanical property profile.

Marking materials from Phoenix Contact can be stored in dry as well as humid atmospheres under UV radiation and are tested in accordance with the aforementioned standards. The properties of the plastic and the legibility of the printings and labelings are checked after the test.



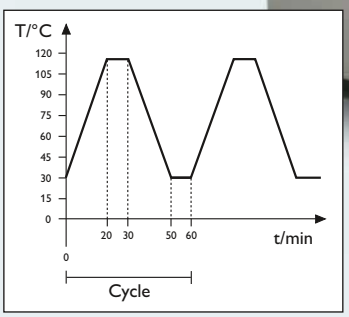
Aging test

►IEC 60947-7-1/-2

Modular terminal blocks are characterized, among other things, by long life cycles and their ability to safely withstand continuous temperatures of +125°C. In order to ensure that the labeling of these terminal blocks also meets these requirements, Phoenix Contact uses labeling materials with heat stabilizers.

To simulate usage over several years, the marking materials are subjected to temperature cycles together with the terminal blocks or conductors in the climate cabinet. The minimum temperature in the climate cabinet is set to 20°C and the maximum temperature to 120°C (80°C with PVC). The test objects reach the maximum permissible operating temperature during the warming phase and the 10-minute pause phase. The cooling down phase follows. The test comprises a total of 192 cycles.

Phoenix Contact marking materials are, without exception, tested in accordance with IEC 60947-7-1/-2. All plastics used also have sufficient safety reserves.



Temperature in relation to time

Resistance to oil and chemicals

▶DIN EN ISO 175

Physical and/or chemical processes/reactions can occur as a result of external media, such as liquids or gases. This can result in a change to the plastic's properties, the plastic becoming damaged or even destroyed. The printings and labelings can also be affected by these changes.

In order to prevent this from happening, Phoenix Contact uses only plastics and printing/labeling materials which have been tested in accordance with DIN EN ISO 175.

Chemical	Weight %
Alkalis	
Sodium hydroxide solution	3
Potassium hydroxide solution	3
Ammonium hydroxide (ammonia water)	25
Alcohols	
Ethanol	100
1-propanol	100
2-propanol	100
Diethylene glycol	100
Aldehyde/ketones	
Ethyl acetate	100
Oils, greases, aliphatic and aromatic hydrocarbons	
IRM 902	100
IRM 903	100
ASTM No. 1	100
Xylol	100
Test benzene (180/220)	100
Hycut SU 68	100
Hycut SET 46	100
Shell Tellus 92	100
Aqueous salt solutions	
Sodium chloride	5
Potassium chloride	5
Ammonium chloride (ammonia solution)	100

Resistance to solvents

▶EN 60464-2:2001

Printings and labelings must be resistant to solvent vapors. Therefore, in accordance with the aforementioned standard, exposure to solvents is continued over 10 days in the following atmospheres:

- Acetone
- n-hexane
- Ethanol

The labelings and printings must still be legible after the 10-day exposure.

Phoenix Contact marking materials are solvent-resistant and fulfill the stringent requirements.

Corrosion test

▶DIN 50018

Extreme ambient influences impose demanding requirements on components and their labeling and marking.

The following test method, based on DIN 50018, describes the corrosion test in an alternating condensation climate with an atmosphere that contains sulphur dioxide.

Two liters of distilled water and one liter of SO_2 gas are introduced into a climate cabinet. During the test and at a test temperature of 40°C, an acidic atmosphere is formed, which affects the material surfaces of the test objects. After eight hours of testing, the test objects dry for 16 hours with an open door. A microscopic visual check is finally performed.

All marking materials used by Phoenix Contact comply with this demanding standard and are resistant to aggressive media.

Salt spray

▶IEC 60068-2-11/-52

Particularly in shipbuilding, technical components have to be marked and must remain permanently legible in corrosive atmospheres. The salt content of the air in combination with the increased humidity places high demands on the labelings and materials used. On the basis of IEC 60068-2-11/-52, it is possible to simulate the influence of a sea climate.

The resistance of the materials in a corrosive atmosphere is tested using salt spray. The test objects are placed in the test chamber and subjected to a finely dosed spray of 5% sodium chloride solution (NaCl; pH-value 6.5 - 7.2) at a temperature of +35°C for a period of 96 hours. A microscopic inspection is performed after the test. In IEC 60068-2-52, testing is also performed using 5% sodium chloride, but under conditions with different specifications.

Phoenix Contact marking materials fulfill these stringent requirements and can be used even in extreme climatic conditions.

Scratch resistance

▶DIN EN ISO 1518

Labelings and printings must also be resistant to external, point and/or linear mechanical loads. For this reason, Phoenix Contact tests all labelings and printings for scratch resistance in accordance with the aforementioned standard. Here a scratching tool with a hemispherical tip (ø 1 mm) is applied to the test object with 2 - 6 N, depending on the printing procedure. A visual and microscopic inspection of the test objects is then performed.

Phoenix Contact marking materials fulfill these demanding mechanical requirements.

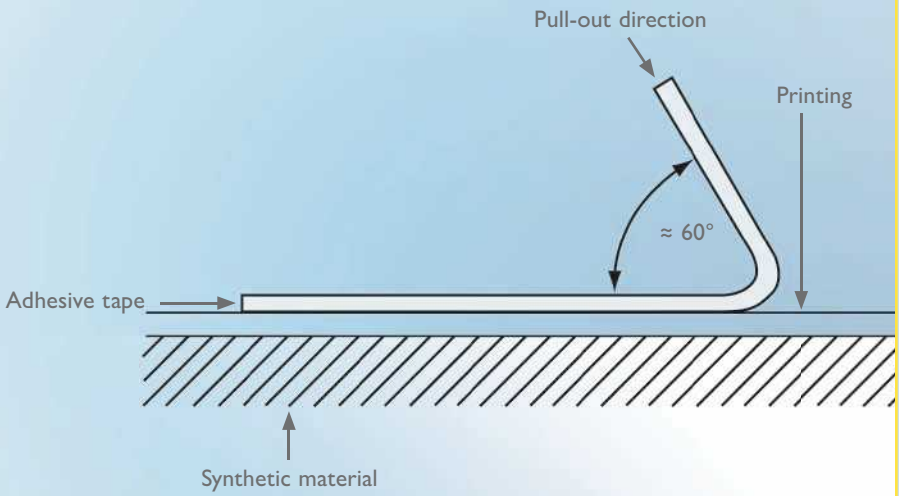
Grid test

▶DIN EN ISO 2409

A "Sellotape test" is conducted in accordance with this standard. A transparent self-adhesive tape (e.g. Sellotape) with an adhesive force of 10±1 N is applied to the labeling or printing to be tested and is then removed from the surface with an angle of 60° to the pull-out direction with a speed of approx. 1 cm/s.

There should be no marks from the printing on the adhesive tape after the test.

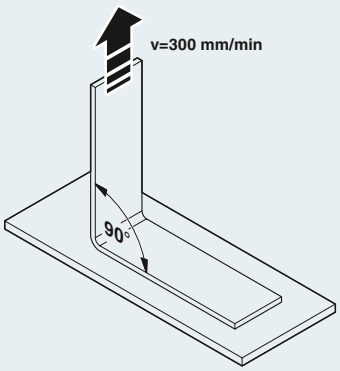
Phoenix Contact marking materials are tough and resistant to peeling.



Adhesive strength test

▶based on FINAT test method No. 2

The purpose of this test is to compare the adhesive strength of labels on various basic materials. To this end, a strip of labels (25 mm x 175 mm) is applied to the respective basic material with a specified force. After a defined storage period, the strip is removed from the basic material at an angle of 90° and with a speed of 300 mm/min. The adhesive strength is specified in N/25 mm. The test thus enables the selection of the most suitable label for the application.



Resistance to abrasion

▶KIMW 003, Part 1 In-house standard of the Lüdenscheid Plastics Institute

Labelings and printings must be resistant to externally applied surface loads. Therefore at Phoenix Contact, labelings and printings are subjected to various numbers of strokes (1000, 10,000, 30,000) using a felt disk (hardness H1 as per DIN 61200) with a specific pressure force (1 N, 2 N and/or 4 N). Classification into the various load classes presented in the standard depends on the pressure force that leads to damage to the printing with reference to the number of strokes.

The printings and labelings at Phoenix Contact fulfill the highest load class K9 (30,000 strokes with 4 N pressure force).

Abrasion and wipe resistance

▶DIN EN 61010-1

Labelings and printings must be resistant to the standard cleaning agents used in the industry. Therefore at Phoenix Contact, the labelings and printings are rubbed using a soft cloth with water, isopropyl alcohol, petroleum ether and n-hexane. The labelings and printings must still be legible after the test.

Phoenix Contact marking materials fulfill the stringent requirements as regards abrasion and wipe resistance and can thus be used in all applications.

Vibration test

▶DIN EN 61373 – Broadband noise (intensity as per DIN EN 50155)

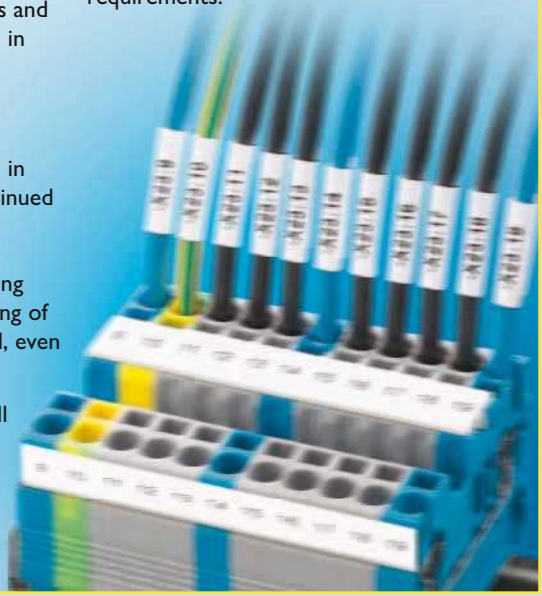
In many applications and especially in traffic engineering, labeling materials are subjected to vibrations and shocks. For a practical simulation of the vibration stress, the test objects are tested for vibration resistance at increasing and decreasing frequencies and amplitudes. In accordance with DIN EN 61373, the objects run through a frequency range of 5 Hz to 150 Hz during the test. The true r.m.s. value of the acceleration is up to 42.5 m/s². The test objects are tested for five hours on each of the three axes (x, y, z). The components and marking materials must not be damaged in such a way that would impair their continued use.

All Phoenix Contact marking materials fulfill these stringent vibration requirements.

▶IEC 60068-2-6 – Vibration resistance

This test demonstrates the vibration resistance and the secure seating of the marking materials under the influence of continuous vibrations. Harmonic, sinusoidal vibrations are applied to the test object to simulate rotating, pulsating or oscillating forces. The test is performed on each of the three spatial axes (x, y, z). In the test, the object runs through a frequency range of 5 Hz to 150 Hz at a speed of one octave per minute.The true r.m.s. value of the acceleration is up to 50 m/s². The test objects are tested in the three axes for two hours each. The marking materials must not be damaged in such a way that would impair their continued use. All marking materials fulfill the requirements of the standard. They are therefore particularly suited to demanding applications in which a reliable functioning of the marking materials has to be ensured, even when subjected to vibrations.

Phoenix Contact marking materials fulfill these stringent vibration requirements.



THERMOMARK CARD –
The perfect printer for marking materials in card and sheet format

The THERMOMARK CARD uses the tried-and-tested thermal transfer procedure to print plastic markers in UniCard and UniSheet format.

The UniCard format is characterized by:
– simple handling
– simple separation
– simple mounting

The UniSheet format has the following advantages:
– low price
– simple separation

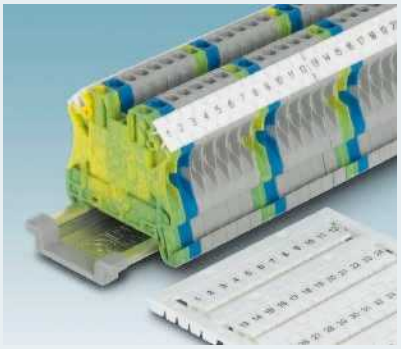
The comprehensive range includes markers for terminal block, conductor and device marking applications.

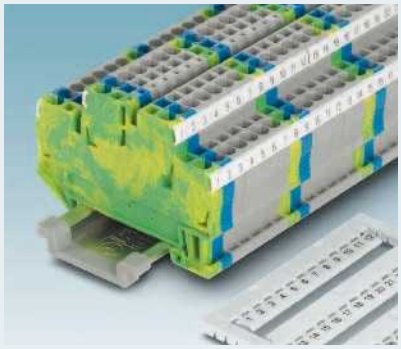
You can create the perfect labeling quickly and easily with the CLIP PROJECT software.

Phoenix Contact terminal block marking for high and flat marker grooves

UniCard UCT-TM.../UCT-TMF...

The UCT-TM... range is ideal for the quick and precise labeling of modular terminal blocks with a high marker groove. The UCT-TMF... markers can be used for modular terminal blocks with a flat marker groove. Both markers are available in all standard pitches and colors. [1) 2)]





Terminal block width [mm]	Markers per sheet	Pcs./Pkt.	Type	Order No. WH
3.5	102	10	UCT-TM 3,5	0829484
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 block width [mm]	Markers per sheet	Type	Order No.					
			RD	OG	YE	VT	BU	GN
3.5	102	UCT-TM 3,5 ...	0829505	0829506	0829485	0829507	0829508	0829509
4.2	84	UCT-TM 4 ...	0829149	0829150	0828733	0829151	0829152	0829153
5.2	72	UCT-TM 5 ...	0829154	0829155	0828735	0829156	0829157	0829158
6.2	60	UCT-TM 6 ...	0829159	0829160	0828737	0829161	0829162	0829163
7.62	48	UCT-TM 7,62 ...	0829510	0829511	0828739	0829512	0829513	0829514
8.2	42	UCT-TM 8 ...	0829164	0829165	0828741	0829166	0829167	0829168
10.2	36	UCT-TM 10 ...	0829169	0829170	0829143	0829171	0829172	0829173
12	30	UCT-TM 12 ...	0829174	0829175	0829145	0829176	0829177	0829178
16	18	UCT-TM 16 ...	0829179	0829180	0829147	0829181	0829182	0829183

Terminal block 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	18	10	UCT-TMF 16	0829218

Terminal block width [mm]	Markers per sheet	Type	Order No.					
			RD	OG	YE	VT	BU	GN
3.5	108	UCT-TMF 3.5 ...	0829515	0829516	0829487	0829517	0829518	0829519
4.2	90	UCT-TMF 4 ...	0829184	0829185	0828743	0829186	0829187	0829188
5.2	72	UCT-TMF 5 ...	0829189	0829185	0828745	0829191	0829192	0829193
6.2	60	UCT-TMF 6 ...	0829194	0829195	0828747	0829196	0829197	0829198
8.2	42	UCT-TMF 8 ...	0829199	0829200	0828749	0829201	0829202	0829203
10.2	36	UCT-TMF 10 ...	0829205	0829206	0829207	0829208	0829209	0829210
12	30	UCT-TMF 12 ...	0829212	0829213	0829211	0829215	0829216	0829217
16	18	UCT-TMF 16 ...	0829219	0829220	0829221	0829222	0829223	0829224

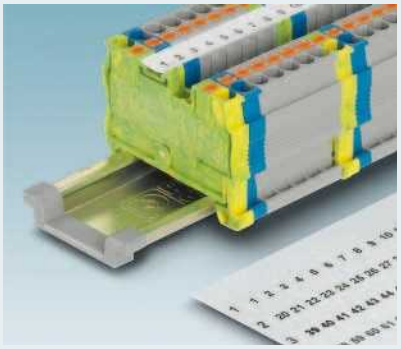
[1)] In order to label this material you will need a suitable magazine. See page 6.

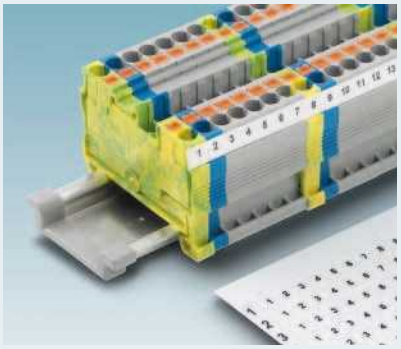
[2)] For the assignment of these materials to the appropriate products, see page 42 onwards.

Phoenix Contact terminal block marking for high and flat marker grooves

UniSheet US-TM.../US-TMF...

US-TMF 100 for the easy and low-cost labeling of modular terminal blocks with high and flat marker grooves. US-TM 100 has been specially designed for the labeling of terminal blocks with universal marker grooves, such as the PIT... [1)]





	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**

Terminal block marking for Weidmüller/Conta Clip and Klemsan for high and flat marker grooves

UniCard UCT1-TM.../UCT1-TMF...

UniCard markers are also available in a variety of common pitches and colors for the individual labeling of modular terminal blocks made by other manufacturers. [1) 2)]

	Terminal block width [mm]	Markers per sheet	Pcs./Pkt.	Type	Order No. WH
	5.2	72	10	UCT1-TM 5	**0829482**
	6.2	60	10	UCT1-TM 6	**0829483**

Terminal block width [mm]	Markers per sheet	Type	Order No.				
			RD	OG	YE	BU	GN
5.2	72	UCT1-TM 5 ...	**0829226**	**0829227**	**0829228**	**0829229**	**0829230**
6.2	60	UCT1-TM 6 ...	**0829232**	**0829233**	**0829234**	**0829235**	**0829236**

	Terminal block width [mm]	Markers per sheet	Pcs./Pkt.	Type	Order No. WH
	5.2	72	10	UCT1-TMF 5	**0829237**
	6.2	60	10	UCT1-TMF 6	**0829243**

Terminal block width [mm]	Markers per sheet	Type	Order No.				
			RD	OG	YE	BU	GN
5.2	72	UCT1-TMF 5 ...	**0829238**	**0829239**	**0829240**	**0829241**	**0829242**
6.2	60	UCT1-TMF 6 ...	**0829244**	**0829245**	**0829246**	**0829247**	**0829248**

[1)] In order to label this material you will need a suitable magazine. See page 6.
[2)] For the assignment of these materials to the appropriate products, see page 49 onwards.

Terminal block marking for Wieland/Cabur and Wago for high marker grooves

UniCard UCT3-TM... and UCT5-TM...

UniCard markers are also available in a variety of common pitches for the individual labeling of modular terminal blocks made by other manufacturers. [1) 2)]

	Terminal block width [mm]	Markers per sheet	Pcs./Pkt.	Type	Order No. WH
Terminal block marking, Wieland	5	72	10	UCT3-TM 5	**0829251**
	6	60	10	UCT3-TM 6	**0829252**

	Terminal block width [mm]	Markers per sheet	Pcs./Pkt.	Type	Order No. WH
Terminal block marking, Cabur	5	66	10	UCT5-TM 5	**0828750**
	6	54	10	UCT5-TM 6	**0828752**

UniCard UCT2-TM5/6 and UniSheet US2-TM 100

UniCard and UniSheet markers are also available in a variety of pitches for the individual labeling of modular terminal blocks made by other manufacturers.[1)]

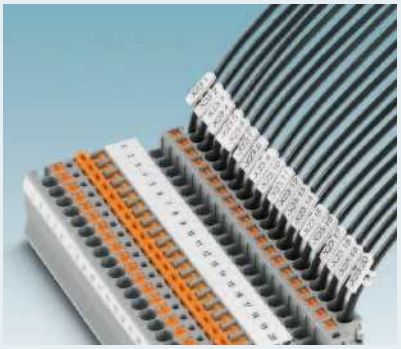
	Terminal block width [mm]	Markers per sheet	Pcs./Pkt.	Type	Order No. WH
Terminal block marking, Wago	5.0 - 6.0	72	10	UCT2-TM5/6	**0829249**

	Material width [mm]	Markers per card	Pcs./Pkt.	Type	Order No. WH
Terminal block marking, Wago	Unperforated 104	12	10	US2-TM 100	**0829268**

[1)] In order to label this material you will need a suitable magazine. See page 6.
[2)] For the assignment of these materials to the appropriate products, see page 49 onwards.

UniCard UCT-WMS... and UniSheet US-WMT...

The UCT-WMS markers are simply threaded onto the conductors and held securely in place by three internal studs. The US-WMT markers have been specially designed for conductor marking with marking collars. The collars protect against environmental influences (see page 39). *)



	Conductor diameter [mm]	Lettering field size [mm]	Markers per sheet	Pcs./Pkt.	Type	Order No. WH	Order No. YE
	1.5 - 3.2	12 x 4	55	5	UCT-WMS 3,2 (12 x 4) …	0828570	0828572
	2.5 - 4.7	12 x 5.5	45	5	UCT-WMS 4,7 (12 x 5,5)…	0828571	0828573

	Conductor diameter [mm]	Lettering field size [mm]	Markers per card	Pcs./Pkt.	Type	Order No.
	Depends on marking collars See page 39	10 x 4	112	10	US-WMT (10 x 4)	0828765
		12 x 4	98	10	US-WMT (12 x 4)	0828766
		15 x 4	84	10	US-WMT (15 x 4)	0828767
		18 x 4	70	10	US-WMT (18 x 4)	0828768
		23 x 4	56	10	US-WMT (23 x 4)	0828769
		30 x 4	42	10	US-WMT (30 x 4)	0828770

Conductor diameter [mm]	Lettering field size [mm]	Type	Order No. RD	OG	YE	VT	BU	GN
Depends on marking collars See page 39	10 x 4	US-WMT (10 x 4) ...	0829273	0829274	0828952	0829276	0829277	0829278
	12 x 4	US-WMT (12 x 4) ...	0829280	0829281	0828953	0829283	0829284	0829285
	15 x 4	US-WMT (15 x 4) ...	0829287	0829288	0828954	0829290	0829291	0829292
	18 x 4	US-WMT (18 x 4) ...	0829294	0829295	0828955	0829297	0829298	0829299
	23 x 4	US-WMT (23 x 4) ...	0829301	0829302	0828956	0829304	0829305	0829306
	30 x 4	US-WMT (30 x 4) ...	0829308	0829309	0828957	0829311	0829312	0829313

*) In order to label this material you will need a suitable magazine. See page 6.

Conductor marking for cable binder mounting and with self-adhesive labels

UniSheet US-WMTB.../US-WML...

The US-WMTB markers are ideally suited to reliable conductor marking with cable binders (see page 38). The US-WML labels are simply wound around the cables. The transparent protective foil provides support and protection against contamination and abrasion.*)

	Conductor diameter [mm]	Lettering field size [mm]	Markers per card	Pcs./Pkt.	Type	Order No. WH
	> 4	24 x 5	35	10	US-WMTB (24 x 5)	**0828771**
	> 6	29 x 8	24	10	US-WMTB (29 x 8)	**0828772**
	> 6	44 x 15	12	10	US-WMTB (44 x 15)	**0828773**

Conductor diameter [mm]	Lettering field size [mm]	Type	Order No.					
			RD	OG	YE	VT	BU	GN
> 4	24 x 5	US-WMTB (24 x 5) ...	**0829320**	**0829321**	**0828958**	**0829323**	**0829324**	**0829325**
> 6	29 x 8	US-WMTB (29 x 8) ...	**0829327**	**0829328**	**0828959**	**0829330**	**0829331**	**0829332**
> 6	44 x 15	US-WMTB (44 x 15) ...	**0829334**	**0829335**	**0828960**	**0829337**	**0829338**	**0829339**

	Conductor diameter [mm]	Lettering field size [mm]	Markers per card	Pcs./Pkt.	Type	Order No. WH
	< 6	13 x 13	32	10	US-WML 6 (13 x 13)	**0800472**
	< 14	25 x 19	8	10	US-WML 14 (25 x 19)	**0800473**
	< 36	25 x 25	4	10	US-WML 36 (25 x 25)	**0800474**

*) In order to label this material you will need a suitable magazine. See page 6.

UniSheet US-EMP... and US-EMSP...

The US-EMP markers are ideally suited to labeling with marker carriers (see page 38–41). The markers are mounted simply by snapping them into place. The US-EMSP markers are securely fitted by means of mounting with rivets or screws.[1) 2)]

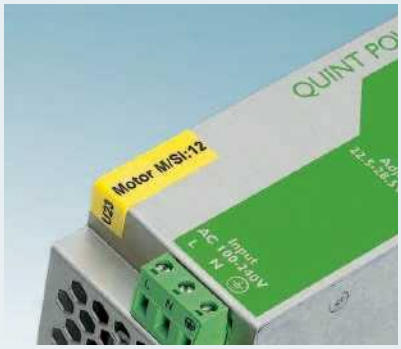
	Lettering field size [mm]	Markers per card	Pcs./Pkt.	Type	Order No.		
					WH	YE	SR
	17 x 15	54	10	US-EMP (17 x 15)	**0828774**	**0828774**	**0828843**
	20 x 9	70	10	US-EMP (20 x 9)	**0829439**		
	25 x 6	84	10	US-EMP (25 x 6)	**0829435**		
	27 x 8	51	10	US-EMP (27 x 8)	**0828775**	**0828844**	**0828845**
	27 x 12.5	30	10	US-EMP (27 x 12,5)	**0828776**	**0828846**	**0828847**
	27 x 15	27	10	US-EMP (27 x 15)	**0828777**	**0828848**	**0828849**
	27 x 18	21	10	US-EMP (27 x 18)	**0828778**	**0828850**	**0828851**
	27 x 27	15	10	US-EMP (27 x 27)	**0828779**	**0828852**	**0828853**
	29 x 8	48	10	US-EMP (29 x 8)	**0829436**	**0829440**	
	40 x 17	16	10	US-EMP (40 x 17)	**0829437**		
	44 x 7	36	10	US-EMP (44 x 7)	**0829438**		
	49 x 15	18	10	US-EMP (49 x 15)	**0828780**	**0828854**	**0828854**
	60 x 15	9	10	US-EMP (60 x 15)	**0828781**	**0828856**	**0828857**
	60 x 30	4	10	US-EMP (60 x 30)	**0828782**	**0828858**	**0828859**
	85.6 x 54	2	10	US-EMP (85,6 x 54)	**0828783**	**0828860**	**0828861**
	100 x 15	1	10	US-EMP (100 x 15)	**0829521**	**0829522**	**0829523**
	50 x 30	4	10	US-EMSP (50 x 30)	**0828786**	**0828927**	**0828928**
	75.6 x 54	2	10	US-EMSP (75,6 x 54)	**0828787**	**0828929**	**0828930**
	90 x 60	2	10	US-EMSP (90 x 60)	**0828788**	**0828931**	**0828932**

[1)] In order to label this material you will need a suitable magazine. See page 6.
[2)] For the assignment of these materials to the appropriate products, see page 61 onwards.

Device marking for gluing onto marker carriers and with self-adhesive labels

UniSheet US-EMLP.../US-EML... and US-EMLC

The US-EMLP markers guarantee a secure fit simply by being glued into marker carriers (see page 41). The US-EML labels are ideal for labeling without marker carriers.
The US-EMLC range can be glued over edges and curves.*)



Lettering field size [mm]	Markers per card	Pcs./Pkt.	Type	Order No.		
				WH	YE	SR
11 x 9	135	10	US-EMLP (11 x 9)	0828789	0828871	0828872
15 x 5	189	10	US-EMLP (15 x 5)	0828790	0828873	0828874
17 x 7	108	10	US-EMLP (17 x 7)	0828792	0828877	0828878
17 x 15	54	10	US-EMLP (17 x 15)	0828793	0828879	0828880
20 x 9	75	10	US-EMLP (20 x 9)	0828795	0828883	0828884
22 x 22	24	10	US-EMLP (22 x 22)	0828796	0828885	0828886
27 x 8	51	10	US-EMLP (27 x 8)	0828797	0828889	0828890
27 x 12.5	30	10	US-EMLP (27 x 12,5)	0828798	0828891	0828892
27 x 15	27	10	US-EMLP (27 x 15)	0828799	0828893	0828894
27 x 18	21	10	US-EMLP (27 x 18)	0828800	0828895	0828896
27 x 27	15	10	US-EMLP (27 x 27)	0828801	0828897	0828898
35 x 9	45	10	US-EMLP (35 x 9)	0828802	0828899	0829430
49 x 15	18	10	US-EMLP (49 x 15)	0828803	0828901	0828902
60 x 15	9	10	US-EMLP (60 x 15)	0828804	0828903	0828904
60 x 30	4	10	US-EMLP (60 x 30)	0828805	0828905	0828906
85.6 x 54	2	10	US-EMLP (85,6 x 54)	0828806	0828907	0828908
100 x 60	2	10	US-EMLP (100 x 60)	0828807	0828909	0828910

Lettering field size [mm]	Markers per card	Pcs./Pkt.	Type	Order No.		
				WH	YE	SR
Polyester labels						
17.5 x 8	80	10	US-EML (17,5 x 8)	0800461	0800463	
20 x 8	64	10	US-EML (20 x 8)	0800458	0800460	
104 x 3.8	34	10	US-EML (104 x 3,8)	0800464		
104 x 140	1	10	US-EML (104 x 140)	0800465	0800467	0800466
Textile labels						
20 x 8	64	10	US-EMLC (20 x 8)	0800468	0800469	
40 x 8	32	10	US-EMLC (40 x 8)	0800470	0800471	

*) In order to label this material you will need a suitable magazine. See page 6.

THERMOMARK ROLL –
The perfect printer for marking materials in roll and continuous format

The THERMOMARK ROLL uses the tried-and-tested thermal transfer procedure to print labels and shrink sleeves in roll or continuous format.

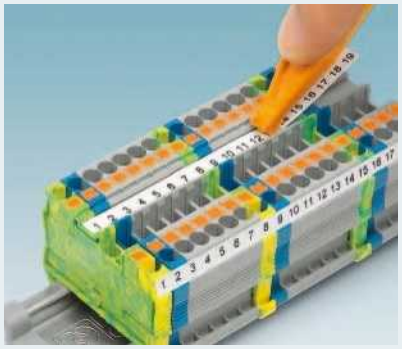
The advantage of these formats is the quick and easy labeling of large quantities of the same material, with a significantly reduced need for handling.

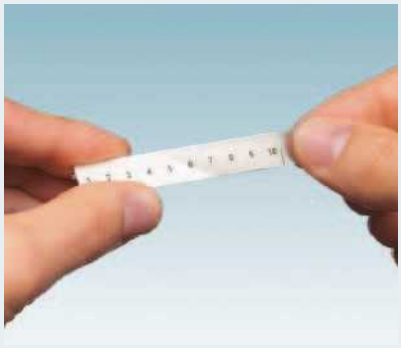
The comprehensive range includes markers in a vast range of designs for terminal block, conductor and device marking applications.

You can create the perfect labeling with the CLIP PROJECT software.

Roll material TMT..., TML... and SK...

The TMT markers are pre-perforated and are simply inserted into the marking grooves. With the TML self-adhesive marker strips, unlabeled terminal blocks can be marked quickly and the self-adhesive SK label material allows PCB terminal blocks to be labeled individually.





	Terminal block width [mm]	Markers per strip	Pcs./Pkt.	Type	Order No. WH
	4.2	24	1[1)]	TMT 4 R	0816375
	5.2	19	1[1)]	TMT 5 R	0816430
	6.2	16	1[1)]	TMT 6 R	0816498
	8.2	12	1[1)]	TMT 8 R	0816553
	10.2	10	1[1)]	TMT 10 R	0816210
	Unperforated 101.5	1	1[1)]	TMT 100 R	0816605
	Locking tool			TMT TOOL	0816650

Terminal block width [mm]	Markers per strip	Type	Order No.				
			RD	OG	YE	BU	GN
4.2	24	TMT 4 R ...	0816362	0816359	0816388	0816333	0816346
5.2	19	TMT 5 R ...	0816427	0816414	0816443	0816391	0816401
6.2	16	TMT 6 R ...	0816485	0816472	0816508	0816456	0816469
8.2	12	TMT 8 R ...	0816540	0816537	0816566	0816511	0816524
101.5	1	TMT 100 R ...	0816595	0816582	0816618	0816223	0816579

	Strip height [mm]	Pcs./Pkt.	Type	Order No. TR
	4.2	1[2)]	TML (101 x 4,2) R TR	0816621
	9.5	1[1)]	TML (101 x 9,5) R TR	0816647
	4.2	1[3)]	TML (E x 4,2) R TR	0816715
	9.5	1[2)]	TML (E x 9,5) R TR	0816634

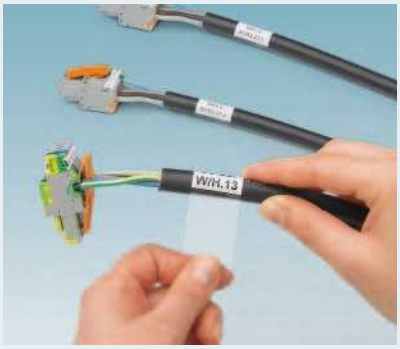
	Strip height [mm]	Pcs./Pkt.	Strips per roll	Type	Order No. WH
	2.8	1[4)]	14	SK 2,8 WH:REEL	0805205
	3.8	1[4)]	12	SK 3,8 WH:REEL	0805218
	5	1[4)]	10	SK 5,0 WH:REEL	0805221
	10	1[4)]	6	SK10,0 WH:REEL	0812188

[1)] 1 roll = 1000 strips
[2)] 1 roll = 2500 strips
[3)] 1 roll = 40 m
[4)] 1 roll = 90 m

Conductor marking with self-adhesive labels and for insertion into marking collars

Roll material WML...

The conductor marker labels consist of a labeling field and a transparent protective foil. This is wound over the labeling and protects it permanently against contamination and abrasion.



	Conductor diameter [mm]	Lettering field size [mm]	Markers per roll	Type	Order No.	
					WH	YE
	< 3	13 x 10	5000	WML 3 (13 x 10) R	**0800073**	
	< 5	25 x 10	3000	WML 5 (25 x 10) R	**0817523**	
	< 6	13 x 13	7000	WML 6 (13 x 13) R	**0816252**	
	< 7.5	13 x 13	4000	WML 7,5 (13 x 13) R	**0800074**	
	< 7.5	17 x 9	1500	WML 7,5 (17 x 9) R	**0828444**	
	< 7.5	25 x 13	2100	WML 7,5 (25 x 13) R	**0800075**	
	< 12	25 x 19	1000	WML 12 (25 x 19) R	**0800076**	
	< 14	25 x 19	1500	WML 14 (25 x 19) R	**0817536**	**0817549**
	< 14	38 x 19	1000	WML 14 (38 x 19) R	**0817552**	
	< 18	12 x 12	2500	WML 18 (12 x 12) R	**0817507**	
	< 20	31 x 25	500	WML 20 (31 x 25) R	**0828457**	
	< 22	25 x 25	900	WML 22 (25 x 25) R	**0800078**	
	< 36	25 x 38	500	WML 36 (25 x 38) R	**0817510**	
	< 46	25 x 38	250	WML 46 (25 x 38) R	**0800067**	

Roll material EMT...

The EMT markers are used to label conductors in connection with marking collars (see page 39). The labeled markers are pushed into the appropriate marker carrier and are thus protected against environmental influences.*)

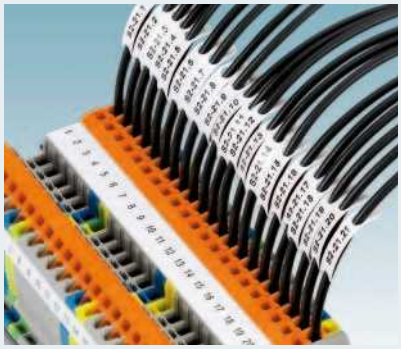
	Lettering field size [mm]	Markers per roll	Pcs./ Pkt.	Type	Order No.			
					WH	YE	RD	BU
	10 x 4	7500	1	EMT (10 x 4) R	**0816235**			
	15 x 4	7500	1	EMT (15 x 4) R	**0817329**	**0817358**	**0816249**	**0817332**
	23 x 4	5000	1	EMT (23 x 4) R	**0817361**	**0817374**		
	24 x 4	5000	1	EMT (24 x 4) R	**0816265**			
	25 x 6	5000	1	EMT (25 x 6) R	**0817264**			
	29 x 8	5400	1	EMT (29 x 8) R	**0817277**	**0817280**		
	40 x 17	2300	1	EMT (40 x 17) R	**0817293**			
	44 x 7	2500	1	EMT (44 x 7) R	**0819275**			

*) For the assignment of this material to the appropriate products, see page 37 onwards.

Conductor marking for threading and for cable binder mounting

Roll material WMT...

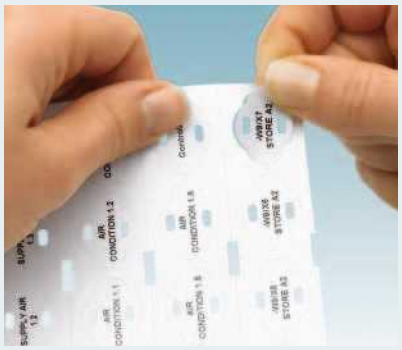
The WMT markers, made of polyester foil, are used to label conductors. The printed individual markers are easy to slide onto the conductor and are captively mounted.



	Conductor diameter [mm]	Lettering field size [mm]	Markers per roll	Type	Order No. WH
	1.0 - 2.4	15 x 4	4000	WMT 2.4 (15 x 4) R	**0816281**
	2.0 - 3.5	15 x 5	4000	WMT 3.5 (15 x 5) R	**0817222**
	3.0 - 4.2	15 x 6	4000	WMT 4.2 (15 x 6) R	**0817235**
	4.0 - 5.5	15 x 8	4000	WMT 5.5 (15 x 8) R	**0817248**
	5.0 - 8.4	17 x 10	4000	WMT 8.4 (17 x 10) R	**0817251**

Roll material WMTB...

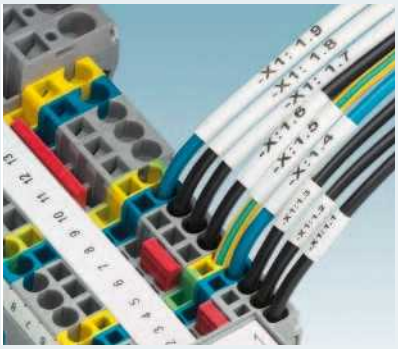
WMTB conductor marking is ideally suited to marking and also bundling conductors in indoor areas. This marker is made of tear-free polyester foil with fixing loops and is fastened to the conductor with cable binders (see page 38).



	Conductor diameter [mm]	Lettering field size [mm]	Markers per roll	Pcs./Pkt.	Type	Order No. WH
	> 6	24 x 8	4000	1	WMTB (24 x 8) R	**0816278**
	> 6	35 x 15	1700	1	WMTB (35 x 15) R	**0817316**

Roll material WMS... (pre-assembled)

The shrinkable WMS… marker sleeves are ideally suited to captive cable and conductor marking. The halogen-free, perforated material can be easily separated into smaller sections. They are attached to the conductor by simply threading them on and removing them from the carrier. [1) 2)]



Conductor diameter [mm]	Lettering field size [mm]	Markers per roll	Type	Order No.	
				WH	YE
0.8 - 2.4	15 x 4	1000	WMS 2,4 (15 x 4) R	0800379	0800412
0.8 - 2.4	15 x 4	4000	WMS 2,4 (15 x 4) RL	0800389	
0.8 - 2.4	15 x 4	10,000	WMS 2,4 (15 x 4) RXL	0800396	
0.8 - 2.4	30 x 4	500	WMS 2,4 (30 x 4) R	0800373	0800407
0.8 - 2.4	30 x 4	2000	WMS 2,4 (30 x 4) RL	0800386	
0.8 - 2.4	30 x 4	5000	WMS 2,4 (30 x 4) RXL	0800394	
0.8 - 2.4	60 x 4	250	WMS 2,4 (60 x 4) R	0800363	0800398
0.8 - 2.4	60 x 4	1000	WMS 2,4 (60 x 4) RL	0800383	
0.8 - 2.4	60 x 4	2500	WMS 2,4 (60 x 4) RXL	0800392	
1.0 - 3.2	15 x 5	1000	WMS 3,2 (15 x 5) R	0800380	0800413
1.0 - 3.2	15 x 5	4000	WMS 3,2 (15 x 5) RL	0800390	
1.0 - 3.2	30 x 5	500	WMS 3,2 (30 x 5) R	0800374	0800408
1.0 - 3.2	30 x 5	2000	WMS 3,2 (30 x 5) RL	0800387	
1.0 - 3.2	60 x 5	250	WMS 3,2 (60 x 5) R	0800364	0800399
1.0 - 3.2	60 x 5	1000	WMS 3,2 (60 x 5) RL	0800384	
1.6 - 4.8	15 x 9	1000	WMS 4,8 (15 x 9) R	0800382	0800414
1.6 - 4.8	15 x 9	4000	WMS 4,8 (15 x 9) RL	0800391	
1.6 - 4.8	15 x 9	10,000	WMS 4,8 (15 x 9) RXL	0800397	
1.6 - 4.8	30 x 9	500	WMS 4,8 (30 x 9) R	0800375	0800409
1.6 - 4.8	30 x 9	2000	WMS 4,8 (30 x 9) RL	0800388	
1.6 - 4.8	30 x 9	5000	WMS 4,8 (30 x 9) RXL	0800395	
1.6 - 4.8	60 x 9	250	WMS 4,8 (60 x 9) R	0800366	0800400
1.6 - 4.8	60 x 9	1000	WMS 4,8 (60 x 9) RL	0800385	
1.6 - 4.8	60 x 9	2500	WMS 4,8 (60 x 9) RXL	0800393	
2.1 - 6.4	30 x 10	500	WMS 6,4 (30 x 10) R	0800376	0800410
2.1 - 6.4	60 x 10	250	WMS 6,4 (60 x 10) R	0800367	0800401
3.1 - 9.5	30 x 16	500	WMS 9,5 (30 x 16) R	0800377	0800411
3.1 - 9.5	60 x 16	250	WMS 9,5 (60 x 16) R	0800368	0800402
4.2 - 12.7	60 x 20	250	WMS 12,7 (60 x 20) R	0800369	0800403
6.4 - 19.1	60 x 30	250	WMS 19,1 (60 x 30) R	0800370	0800404
8.5 - 25.4	60 x 40	250	WMS 25,4 (60 x 40) R	0800371	0800405
12.7 - 38.1	60 x 60	250	WMS 38,1 (60 x 60) R	0800372	0800406

[1)] For RL and RXL rolls, an external media hub is required (see page 7).
[2)] For the labeling of WMS material, a special ink ribbon is required (see page 7).

Roll material WMS... (continuous)

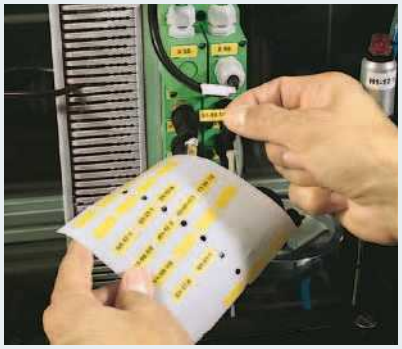
The shrinkable WMS… marker sleeves are perfectly suited to captive cable and conductor marking. The halogen-free, thin-walled sleeves can be cut to any length using the perforation knife and are then easy to separate. [2) 3) 4)]

Conductor diameter [mm]	Sleeve length [m]	Markers per roll	Type	Order No.		
				WH	YE	BK
0.8 - 2.4	30	1	WMS 2.4 (E x 4) R	0800289	0800300	0800415
0.8 - 2.4	120	1	WMS 2.4 (E x 4) RL	0800319	0800328	0800427
1.0 - 3.2	30	1	WMS 3.2 (E x 5) R	0800290	0800301	0800416
1.0 - 3.2	120	1	WMS 3.2 (E x 5) RL	0800320	0800329	0800428
1.6 - 4.8	30	1	WMS 4.8 (E x 8) R	0800291	0800302	0800418
1.6 - 4.8	120	1	WMS 4.8 (E x 8) RL	0800321	0800330	0800429
2.1 - 6.4	25	1	WMS 6.4 (E x 10) R	0800292	0800303	0800419
2.1 - 6.4	100	1	WMS 6.4 (E x 10) RL	0800322	0800331	0800430
3.1 - 9.5	20	1	WMS 9.5 (E x 16) R	0800293	0800304	0800421
3.1 - 9.5	80	1	WMS 9.5 (E x 16) RL	0800324	0800332	0800431
4.2 - 12.7	20	1	WMS 12.7 (E x 20) R	0800294	0800305	0800422
4.2 - 12.7	80	1	WMS 12.7 (E x 20) RL	0800325	0800333	0800432
6.4 - 19.1	20	1	WMS 19.1 (E x 30) R	0800295	0800306	0800423
6.4 - 19.1	80	1	WMS 19.1 (E x 30) RL	0800326	0800334	0800434
8.5 - 25.4	15	1	WMS 25.4 (E x 40) R	0800296	0800308	0800424
8.5 - 25.4	60	1	WMS 25.4 (E x 40) RL	0800327	0800335	0800435
12.7 - 38.1	15	1	WMS 38.1 (E x 60) R	0800298	0800309	0800425
16.9 - 50.8	15	1	WMS 50.8 (E x 80) R	0800299	0800311	0800426

[2)] For the labeling of WMS material, a special ink ribbon is required (see page 7).
[3)] For all continuous marker sleeves, an external media hub with an outside diameter of up to 305 is required (see page 7).
[4)] For perforating and cutting the continuous material to length, a cutter is required (see page 7).

Roll material EML...

The self-adhesive EML... device markers made of high-grade polyester have been developed for the marking of operating equipment in control, system and control cabinet engineering. The device markers are characterized by their high adhesive strength and an accurate printing quality that is resistant to solvents.

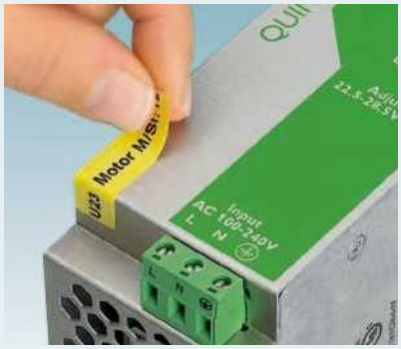


Lettering field size [mm]	Markers per roll	Pcs./ Pkt.	Type	Order No.			
				WH	YE	SR	TR
10 x 4	10,000	1	EML (10 x 4) R	**0815583**			
10 x 7	10,000	1	EML (10 x 7) R …	**0816663**	**0816676**		
15 x 6	2500	1	EML (15 x 6) R YE		**0819288**		
15 x 9	2500	1	EML (15 x 9) R …	**0815677**	**0816045**	**0816032**	
16.5 x 5	2500	1	EML (16,5 x 5) R …	**0816702**	**0816728**		
16.5 x 5	10,000	1	EML (16,5 x 5) RL	**0816113**	**0816126**		
16 x 7	2500	1	EML (16 x 7) R …	**0818001**	**0816731**		
17.5 x 8	2500	1	EML (17,5 x 8) R …	**0816744**	**0816757**		
17.5 x 8	10,000	1	EML (17,5 x 8) RL		**0816139**		
18 x 6	10,000	1	EML (18 x 6) RL YE		**0828460**		
19 x 6	2500	1	EML (19 x 6) R	**0816760**			
20 x 7	2500	1	EML (20 x 7) R YE		**0816773**		
20 x 8	2500	1	EML (20 x 8) R…	**0816786**	**0816799**		
21.5 x 21.5	2500	1	EML (21,5 x 21,5) R SR			**0816812**	
24 x 4	2500	1	EML (24 x 4) R	**0800061**			
25.4 x 12.7	2500	1	EML (25,4 x 12,7) R …	**0816825**	**0816838**		
25.4 x 12.7	10,000	1	EML (25,4 x 12,7) RL	**0816087**			
26.5 x 7.5	1000	1	EML (26,5 x 7,5) R …			**0816841**	
26.5 x 12	2500	1	EML (26,5 x 12) R …			**0816854**	
26.5 x 17.5	2500	1	EML (26,5 x 17,5) R …		**0816896**	**0816883**	
26.5 x 18.5	2500	1	EML (26,5 x 18,5) R …			**0816906**	
26.5 x 26.5	2500	1	EML (26,5 x 26,5) R …			**0816919**	
30 x 20	2500	1	EML (30 x 20) R …	**0816922**	**0816935**		
32 x 25	1500	1	EML (32 x 25) R YE		**0800020**		
38 x 17	2500	1	EML (38 x 17) R	**0816951**			
38.1 x 19	10,000	1	EML (38,1 x 19) RL	**0816171**			
40 x 8	1000	1	EML (40 x 8) R	**0816980**			
40 x 15	2500	1	EML (40 x 15) R SR			**0815729**	
40 x 25	1000	1	EML (40 x 25) R …	**0818027**	**0816977**		
50.8 x 25.4	3000	1	EML (50,8 x 25,4) RL	**0816184**			
51 x 12.5	1000	1	EML (51 x 12,5) R TR				**0815745**
51 x 25	1000	1	EML (51 x 25) R …	**0817028**	**0817031**	**0817002**	
69.8 x 31.8	10,000	1	EML (69,8 x 31,8) RL	**0816197**			
70 x 32	1000	1	EML (70 x 32) R …	**0817060**	**0817073**	**0817057**	
70 x 50	400	1	EML (70 x 50) R …	**0817099**		**0817086**	
76.2 x 6.5	10,000	1	EML (76,2 x 6,5) RL YE		**0816207**		
90 x 5	2500	1	EML (90 x 5) R	**0817109**			
100 x 40	300	1	EML (100 x 40) R	**0800286**			
100 x 73	300	1	EML (100 x 73) R …	**0817125**	**0817138**	**0817112**	
100 x 90	250	1	EML (100 x 90) R …	**0817154**		**0817141**	
101.6 x 25.4	10,000	1	EML (101,6 x 25,4) RL SR			**0815790**	

Device marking with self-adhesive labels

Roll material EML...

The self-adhesive EMLHT markers have been specially developed for high temperatures and can be used continuously under temperatures ranging from –40°C to 180°C, and up to 300°C for 60 seconds. The textile EMLC makes gluing over edges possible. The particularly flexible EMLF material is ideal for uneven surfaces.



Lettering field size [mm]	Markers per roll	Pcs./ Pkt.	Type	Order No. WH	YE	SR	TR
High-temperature labels							
8 x 8	4000	1	EMLHT (8 x 8) R	**0800340**			
15 x 15	4000	1	EMLHT (15 x 15) R	**0800341**			
40 x 15	1000	1	EMLHT (40 x 15) R	**0800339**			
45 x 5	2500	1	EMLHT (45 x 5) R	**0800337**			
50 x 10	1000	1	EMLHT (50 x 10) R	**0800338**			
Ø 12	1000	1	EMLHT (D12) R	**0801376**			
For high-temperature labels, the EMLHT ink ribbon is required. See page 7							
Textile labels							
15 x 9	2500	1	EMLC (15 x 9) R YE		**0800236**		
17.5 x 8	2500	1	EMLC (17.5 x 8) R YE		**0800237**		
20 x 8	2500	1	EMLC (20 x 8) R YE		**0800235**		
25 x 8	2500	1	EMLC (25 x 8) R YE		**0800240**		
25.4 x 12.7	2500	1	EMLC (25.4 x 12.7) R YE		**0800238**		
38 x 17	1000	1	EMLC (38 x 17) R YE		**0800557**		
40 x 8	1000	1	EMLC (40 x 8) R ...	**0800554**	**0800555**		
51 x 25	750	1	EMLC (51 x 25) R YE		**0800558**		
Flexible PVC labels							
108 x E	1	1[2)]	EMLF (108 x E) R …	**0800549**	**0800550**	**0800551**	**0800552**
Continuous polyester labels							
37 x E	1	1[1)]	EML (37 x E) R TR				**0815716**
100 x E	1	1[1)]	EML (100 x E) RL SR			**0815787**	
Round polyester labels							
Ø 17.5	2500	1	EML (D17.5) R	**0815774**			

[1)] 1 roll = 90 m
[2)] 1 roll = 40 m

Roll material EMLP...

The self-adhesive EMLP labels have a high-quality appearance and a high resistance to chemical and mechanical influences. The markers are used to label components, devices and buttons.*)

	Lettering field size [mm]	Markers per roll	Pcs./ Pkt.	Type	Order No.	
					WH	SR
	13 x 9	500	1	EMLP (13 x 9) R	**0819453**	
	17.5 x 12	500	1	EMLP (17,5 x 12) R	**0819466**	
	17 x 7	500	1	EMLP (17 x 7) R	**0826844**	
	20 x 7	500	1	EMLP (20 x 7) R	**0819479**	
	20 x 8	500	1	EMLP (20 x 8) R	**0819482**	
	22 x 12	500	1	EMLP (22 x 12) R	**0819495**	
	22 x 22	500	1	EMLP (22 x 22) R SR		**0825528**
	27 x 8	500	1	EMLP (27 x 8) R SR		**0819518**
	27 x 12.5	500	1	EMLP (27 x 12,5) R SR		**0819521**
	27 x 18	500	1	EMLP (27 x 18) R SR		**0819534**
	27 x 27	500	1	EMLP (27 x 27) R SR		**0827467**
	45 x 15	500	1	EMLP (45 x 15) R SR		**0819547**
	60 x 30	250	1	EMLP (60 x 30) R	**0817510**	

	Lettering field size [mm]	Markers per roll	Pcs./ Pkt.	Type	Order No.	
					WH	SR
	30 x 12	500	1	EMLP 24 (30 x 12) R …	**0819550**	**0819563**

*) For the assignment of these materials to the appropriate products, see page 62.

Device marking with self-adhesive safety labels and for snapping in

Roll material EMLS...

When this tamper-proof label is detached (can be used, e.g., as a rating plate or security label), a part of the metal-plated layer is also detached and leaves a triangular pattern on the label and the background.

Lettering field size [mm]	Markers per roll	Pcs./Pkt.	Type	Order No.
				SR
15 x 9	2500	1	EMLS (15 x 9) R SR	0800347
19 x 6	2500	1	EMLS (19 x 6) R SR	0800343
20 x 20	1000	1	EMLS (20 x 20) R SR	0800344
26.5 x 12	1000	1	EMLS (26.5 x 12) R SR	0800353
38.1 x 19	1000	1	EMLS (38.1 x 19) R SR	0800354
40 x 8	1000	1	EMLS (40 x 8) R SR	0800348
45 x 15	1000	1	EMLS (45 x 15) R SR	0800345
60 x 30	500	1	EMLS (60 x 30) R SR	0800355
70 x 32	500	1	EMLS (70 x 32) R SR	0800346
70 x 150	100	1	EMLS (70 x 150) R SR	0800351
76 x 51	250	1	EMLS (76 x 51) R SR	0800350
85 x 32	250	1	EMLS (85 x 32) R SR	0800356

Roll material EMT...

A range of EMT markers in various sizes and colors is available for the labeling of controllers and modules, including those from other manufacturers.*)

Lettering field size [mm]	Markers per roll	Pcs./ Pkt.	Type	Order No.		
				WH	YE	TQ
50 x 13	500	1	EMT (50/28 x 13) R …	0800049	0800438	0800050
50 x 26	500	1	EMT (50 x 26) R …	0800052	0800054	0800053
62 x 10	500	1	EMT (62 x 10) R …	0800057	0800477	
62 x 46	250	1	EMT (62 x 46) R …	0800059	0800478	
103 x 17	500	1	EMT (103 x 17) R …	0800039	0800436	0800041
103 x 23	500	1	EMT (103 x 23) R …	0800040	0800437	0800437

*) For the assignment of this material to the appropriate products, see page 60 onwards.

Transparent covers EMLPR... and EMPPR...

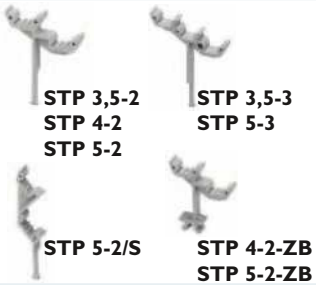
The very thick yet flexible EMLPR... shock protection is simply bonded over the labeled markers and provides a high degree of protection against chemical and mechanical influences. The EMPPR... range has the same function, but these are snapped over the labels into the CARRIERS provided.

	Cover size [mm]	Foils per card	Type	Order No.
	26.5 x 14.5	51	EMLPR (26,5 x 14,5)	**0800546**
	26.5 x 17.5	42	EMLPR (26,5 x 17,5)	**0800360**
	26.5 x 26.5	30	EMLPR (26,5 x 26,5)	**0800361**
	30 x 40	14	EMLPR (30 x 40)	**0800359**
	80 x 42	6	EMLPR (80 x 42)	**0800357**
	80 x 60	4	EMLPR (80 x 60)	**0800358**
	100 x 30	9	EMLPR (100 x 30)	**0800362**

	Cover size [mm]	For marker carriers	Type	Order No.
	27 x 15	CARRIER-EMP 22 (27 x 15) See page 41	EMPPR (27 x 15)	**0829535**
	27 x 18	CARRIER-EMP 22 (27 x 18) See page 41	EMPPR (27 x 18)	**0829536**

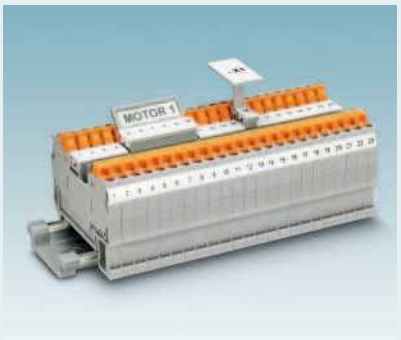
Marker carriers STP...

The marker carriers help in the labeling of wired multi-level terminal blocks. Depending on the design, the carriers are either plugged into the sockets of the upper terminal level or are snapped into the uppermost marking groove where available.

	Terminal block width [mm]	Type	Order No.	Pcs./ Pkt.	Can be labeled with type	Order No.
 STP 3,5-2 STP 4-2 STP 5-2 STP 3,5-3 STP 5-3 STP 5-2/S STP 4-2-ZB STP 5-2-ZB	> 3.5	STP 3,5-2	**0830131**	100	UCT-TM 3,5	**0829484**
	> 3.5	STP 3,5-3	**0830132**	100	UCT-TM 3,5	**0829484**
	> 4	STP 4-2	**0810575**	100	UCT-TM 4	**0828732**
	> 5	STP 5-2	**0800967**	100	UCT-TM 5	**0828734**
	> 5	STP 5-3	**0810562**	100	UCT-TM 5	**0828734**
	> 5	STP 5-2/S	**0800970**	100	UCT-TM 5	**0828734**
	> 4	STP 4-2-ZB	**3038613**	100	UCT-TM 4	**0828732**
	> 5	STP 5-2-ZB	**3037643**	100	UCT-TM 5	**0828734**

Terminal block group marking

Terminal block groups are marked using marking labels that are snapped into the high marker groove of the terminal blocks. The foot of the marking labels is designed in such a way that the actual terminal point labeling is thoroughly retained.



	Type	Order No.	Pcs./Pkt.	Can be labeled with type	Order No.
GBS 5-25 x 5 GBS 5-25 x 12 GBS-ZB/26 x 6 AK-DST/UK AK-DST/DIK UBE UBE/D	GBS 5-25 x 5	**0829126**	100	UCT-TM 5	**0828734**
				UCT-TM 6	**0828736**
				EML (24 x 4)R	**0800061**
	GBS 5-25 x 12	**0810588**	100	UCT-TM 5	**0828734**
				UCT-TM 6	**0828736**
				EML (25,4 x 12,7) R	**0816825**
	GBS-ZB/26 x 6	**0809298**	100	UCT-TM...	
				EMT (25 x 6) R	**0817264**
				US-EMP (25 x 6)	**0829435**
	AK-DST/UK	**1000708**	50	UCT-TM 5	**0828734**
				EMT (24 x 4) R	**0816265**
	AK-DST/DIK	**1000779**	50	UCT-TM 5	**0828734**
				EMT (24 x 4) R	**0816265**
	UBE	**0800310**	10	US-EMP (40 x 17)	**0829437**
				EMT (40 x 17) R	**0817293**
	UBE/D	**0800307**	10	US-EMP (40 x 17)	**0829437**
				EMT (40 x 17) R	**0817293**

Terminal strip marking KLM

Terminal strip markers are used for labeling both groups and partitions. The markers can be mounted on various end brackets.

Type	Pcs./ Pkt.	Order No.	Can be labeled with type	Order No.
KLM (for end brackets CLIPFIX 35 and E/UK)	100	**1004306**	US-EMP (25 x 6)	**0829435**
			EMT (25 x 6) R	**0817264**
KLM 1 (for end brackets E/MK, E/MK 1 and E/MBK)	100	**1004319**	EMT (24 x 4) R	**0816265**
KLM 2 (for end brackets CLIPFIX…)	100	**0807575**	UCT-TM 4 - UCT-TM 16	
KLM 3 (for end brackets CLIPFIX…)	100	**0811969**	US-EML (20 x 8)	**0800458**
			EML (20 x 8) R	**0816786**
			EMLP (20 x 8) R	**0819482**
			EMLC (20 x 8) R YE	**0800235**
KLM 3-L (for end brackets CLIPFIX…)	100	**0814788**	US-EML (20 x 8)	**0800458**
			EML (20 x 8) R	**0816786**
			EMLP (20 x 8) R	**0819482**
			EMLC (20 x 8) R YE	**0800235**
KLM-A (for end brackets CLIPFIX 35, E/UK and E/NS 35 N)	100	**1004348**	US-EMP (44 x 7)	**0829438**
			EMT (44 x 7)	**0819275**

Cable binders PKB...

Cable binders have been used to bundle control cables and other cables for decades.
They are ideal for fixing cables and as an accessory for various cable markers.

Length/width [mm]	Pcs./Pkt.	Color	Type	Order No.
100 x 2.5	1000	Transparent	PKB 100 x 2,5	**1005457**
140 x 3.6	1000	Transparent	PKB 140 x 3,6	**1005460**
190 x 4.8	1000	Transparent	PKB 190 x 4,8	**1005473**
200 x 2.5	1000	Transparent	PKB 200 x 2,5	**1005486**
290 x 4.8	1000	Transparent	PKB 290 x 4,8	**1005499**
370 x 4.8	1000	Transparent	PKB 370 x 4,8	**1005509**
100 x 2.5	1000		PKB 100 x 2,5 BK	**1005512**
140 x 3.6	1000		PKB 140 x 3,6 BK	**1005525**
190 x 4.8	1000		PKB 190 x 4,8 BK	**1005538**
200 x 2.5	1000		PKB 200 x 2,5 BK	**1005541**
290 x 4.8	1000		PKB 290 x 4,8 BK	**1005554**
370 x 4.8	1000		PKB 370 x 4,8 BK	**1005567**

Marking collars PATG... and PAB KTL...

The closed PATG marking collars are pushed onto the conductor before it is connected. The PAB-KTL... collars are particularly suited to the identification and simultaneous bundling of conductors with cable binder mounting.*)

Can be labeled with type	Conductor diameter [mm]	Pcs./Pkt.	Type	Order No.
US-WMT (10 x 4)… and EMT (10 x 4) See page 22 and 28	0.6 - 1.2	1000	PATG 0/10	**1013795**
	1.5 - 2.5	1000	PATG 1/10	**1013805**
	2.0 - 4.0	1000	PATG 2/10	**1013818**
	4.0 - 7.0	500	PATG 3/10	**1013821**
US-WMT (12 x 4)… See page 22	0.6 - 1.2	1000	PATG 0/12	**0827076**
	1.5 - 2.5	1000	PATG 1/12	**0827077**
	2.0 - 4.0	1000	PATG 2/12	**0827078**
	4.0 - 7.0	500	PATG 3/12	**0827079**
	6.0 - 10.0	500	PATG 4/12	**0827080**
US-WMT (15 x 4)… and EMT (15 x 4) See page 22 and 28	0.6 - 1.2	1000	PATG 0/15	**1013740**
	1.5 - 2.5	1000	PATG 1/15	**1013025**
	2.0 - 4.0	1000	PATG 2/15	**1013038**
	4.0 - 7.0	500	PATG 3/15	**1013041**
	6.0 - 10.0	500	PATG 4/15	**1013054**
	10.0 - 14.0	200	PATG 5/15	**1013067**
	14.0 - 22.0	200	PATG 6/15	**1013070**
US-WMT (18 x 4)… See page 22	0.6 - 1.2	1000	PATG 0/18	**0820507**
	1.5 - 2.5	1000	PATG 1/18	**0820510**
	2.0 - 4.0	1000	PATG 2/18	**0820523**
	4.0 - 7.0	500	PATG 3/18	**0820536**
	6.0 - 10.0	500	PATG 4/18	**0820549**
	10.0 - 14.0	200	PATG 5/18	**0828059**
	14.0 - 22.0	200	PATG 6/18	**0828062**
US-WMT (23 x 4)… and EMT (23 x 4) See page 22 and 28	0.6 - 1.2	1000	PATG 0/23	**0828046**
	1.5 - 2.5	1000	PATG 1/23	**1013847**
	2.0 - 4.0	500	PATG 2/23	**1013850**
	4.0 - 7.0	500	PATG 3/23	**1013863**
	6.0 - 10.0	200	PATG 4/23	**0808011**
	10.0 - 14.0	200	PATG 5/23	**0808024**
	14.0 - 22.0	100	PATG 6/23	**0808037**
	1)	200	PAB-KTL 23	**1013957**
US-WMT (30 x 4)… See page 22	1.5 - 2.5	500	PATG 1/30	**0822440**
	2.0 - 4.0	500	PATG 2/30	**0822453**
	4.0 - 7.0	200	PATG 3/30	**0822466**
	6.0 - 10.0	200	PATG 4/30	**0822479**
	10.0 - 14.0	200	PATG 5/30	**0822482**
	1)	200	PAB-KTL	**1013261**

*) For suitable cable binders, see page 38.

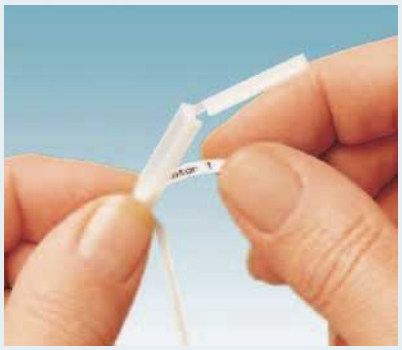
Plastic conductor markers KMK...

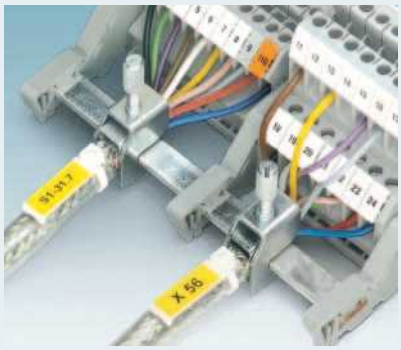
KMK plastic cable markers combine the functions of conductor marking and conductor bundling. Suitable insert labels are inserted into the markers and they are then sealed tightly.*)

	Type	Pcs./Pkt.	Order No.	Can be labeled with type	Order No.
KMK KMK 2 KMK 3 KMK 4	KMK	100	**1005208**	US-EMP (29 x 8)	**0829436**
				EMT (29 x 8) R	**0817277**
	KMK 2	100	**1005266**	US-EMP (29 x 8)	**0829436**
				EMT (29 x 8) R	**0817277**
	KMK 3	50	**1005211**	US-EMP (40 x 17)	**0829437**
				EMT (40 x 17) R	**0819275**
	KMK 4	50	**1005305**	US-EMP (40 x 17)	**0829437**
				EMT (40 x 17) R	**0819275**

Conductor markers LM and KME

The LM and KME conductor markers consist of a plastic label with an injection molded cable binder. The transparent sealing cap of the LM holds the printed label and protects it from contamination. The KME is directly labeled with a self-adhesive label.





	Type	Pcs./Pkt.	Order No.	Can be labeled with type	Order No.
	LM	100	**1004377**	EMT (24 x 4) R	**0816265**
	KME	50	**0807083**	EML (20 x 8)	**0816786**
				EMLC (20 x 8) R	**0800235**
				EMLP (20 x 8) R	**0819482**

*) For suitable cable binders, see page 38.

Device markers CARRIER-EMP 22, -EMLP 22 and -EMP

CARRIER-EMP 22 and -EMLP 22 marker carriers, with the appropriate markers, are used for the identification of buttons and switches. With the -EMP 22, markers are effortlessly snapped into place and with the -EMLP 22 they are adhered. Together with US-EMP... markers, the CARRIER-EMPs mark devices and control cabinets. The material is easily snapped into place.

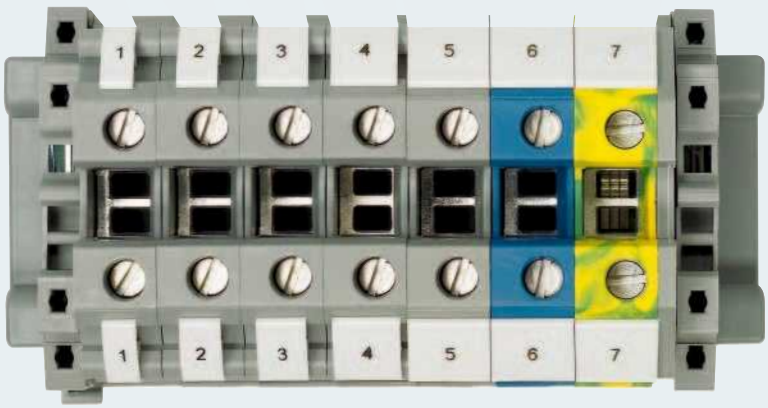
	Can be labeled with type	Pcs./ Pkt.	Type	Order No.		
				BK	TR	GY
	US-EMP (27 x 8)… See page 24	50	CARRIER-EMP 22 (27 x 8)	**0827445**		
	US-EMP (27 x 12,5)… See page 24	50	CARRIER-EMP 22 (27 x 12,5)	**0827446**		
	US-EMP (27 x 15)… See page 24	50	CARRIER-EMP 22 (27 x 15)	**0827447**		
	US-EMP (27 x 18)… See page 24	50	CARRIER-EMP 22 (27 x 18)	**0827448**		
	US-EMP (27 x 27)… See page 24	50	CARRIER-EMP 22 (27 x 27)	**0827449**		
	US-EMLP (27 x 8)..., EML (26,5 x 7,5) R and EMLP (27 x 8) R SR See page 25, 32 and 34	50	CARRIER-EMLP 22 (27 x 8)	**0828984**		
	US-EMLP (27 x 12.5)..., EML (26,5 x 12,5) R and EMLP (27 x 12,5) R SR See page 25, 32 and 34	50	CARRIER-EMLP 22 (27 x 12,5)	**0828985**		
	US-EMLP (27 x 15) See page 25	50	CARRIER-EMLP 22 (27 x 15)	**0828986**		
	US-EMLP (27 x 18)..., EML (26,5 x 17,5) R and EMLP (27 x 18) R SR See page 25, 32 and 34	50	CARRIER-EMLP 22 (27 x 18)	**0828987**		
	US-EMLP (27 x 27)..., EML (26,5 x 26,5) R and EMLP (27 x 27) R SR See page 25, 32 and 34	50	CARRIER-EMLP 22 (27 x 27)	**0828988**		
	US-EMP (17 x 15)… See page 24	80	CARRIER-EMP (17 x 15)	**0827450**		
	US-EMP (27 x 15)… See page 24	80	CARRIER-EMP (27 x 15)	**0827451**		
	US-EMP (49 x 15)… See page 24	40	CARRIER-EMP (49 x 15)	**0827452**		
	US-EMP (60 x 15)… See page 24	40	CARRIER-EMP (60 x 15)	**0827453**		
	US-EMP (60 x 30)… See page 24	30	CARRIER-EMP (60 x 30)	**0827454**		
	US-EMP (85,6 x 54)… See page 24	10	CARRIER-EMP (85,6 x 54)	**0829365**		
	US-EMP (X x 15)… See page 24	25	CARRIER-EMP (1000 x 15)...		**0829530**	**0829366**
	US-EMP (X x 15)… See page 24	25	CARRIER/L-EMP (1000 x 15)…		**0829560**	**0829559**
	Cover for CARRIER/L-EMP (1000 x 15)	25	CARRIER-EMP (1000 x 15) COVER		**0829520**	

Explanation

The marking strips in UniCard sheet format are available in all standard pitches. Strips and markers can be easily separated and snapped into the high or flat marker groove. The assembly time can be considerably reduced by removing and mounting entire strips.

Large terminal markers for central and external labeling

		UCT-TM 3,5	UCT-TM 4	UCT-TM 5	UCT-TM 6	UCT-TM 7,62	UCT-TM 8	UCT-TM 10	UCT-TM 12	UCT-TM 16
Sheet, WH		**0829484**	**0828732**	**0828734**	**0828736**	**0828738**	**0828740**	**0829142**	**0829144**	**0829146**
	Pitch	3.5	4	5	6	7.62	8	10	12	16
Screw terminal blocks										
UT 2,5…, UTTB 2,5…	5									
UT 4…, UTTB 4…	6									
UT 6…, UTME(D) 6…	8									
UT 10…	10									



Terminal block marking for Phoenix Contact

Large terminal markers for central and external labeling	Pitch	UCT-TM 3,5	UCT-TM 4	UCT-TM 5	UCT-TM 6	UCT-TM 7,62	UCT-TM 8	UCT-TM 10	UCT-TM 12	UCT-TM 16
		See page 19								
			TMT 4 R	TMT 5 R	TMT 6 R		TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
		See page 27								
		3.5	4	5	6	7.62	8	10	12	16
Screw terminal blocks										
UT 2,5…, UTTB 2,5…, UTN 2,5…	5									
UT 4…, UTTB 4…, UTME(D) 4…, USST 4…, UTN 4…	6									
UT 6…, UTME(D) 6…, USST 6…, UTN 6…	8									
UT 10…, USST 10…	10									
UT 16…, UTI 16…	12									
UT 35	16									
UK 1,5 N…, USLKG 1,5 N	4									
UK 2,5 N…, USLKG 2,5 N, UK 3 N…, USLKG 3, UKK(B) 3…, UDK 3…, MTK(D)…	5									
UK 5 N…, USLKG 5 N, UDK 4…, UKK(B) 5, UDMTK(B) 5…, UKN 2,5…, UKN 5…, PIK 4...	6									
UK 6 N…, USLKG 6 N, UKN 6…, PIK 6…, URTK…, UGSK…, URDK…	8									
UK 10 N…, USLKG 10 N, UKKB 10…, UKN 10…	10									
U(I)K 16…, U(I)SLKG 16, UIKN 16…	12									
U(I)K 35…, U(I)SLKG 35, UIKN 35…	15									
UKH…, USLKG 50/95	>16									
DIK(D) 1,5…, DOK(D) 1,5…, VIOK 1,5…, DLK(B) 2,5…, SLKK 5…	6									
UVKB 4…, UHK 4…, USK 4…, UK 4…, UKK 4…, VBST 4…	6									
TMC…, TMCP SOCKET…	12									
UK 5-HESI…, UKK 5-HESI…, UK-SI…, UK 6-FSI…, UK 10-DREHSI…	8									
UK 6,3-HESI…, USIG…	10									
MT 1,5…, MTTB 1,5…	4									
MBK…, MBK 2,5…, MBK 3…, MSLKG 2,5, MBKKB 2,5…	5									
MBK 5…, MSLKG 5	6									
MBK 6…, MSLKG 6	8									
DFK 4…	6									
DFK 5…	9.5									
UW(V) 4...	8									
UW(V) 10.../16.../25....	≥ 10									
HDFK(V) 50…, HDFK(V) 95…	> 18									

All terminal blocks can also be labeled with the UniSheet material US-TMF 100.

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

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

Terminal block marking for Phoenix Contact

Small terminal markers for central and external labeling	Pitch	UCT-TMF 3,5	UCT-TMF 4	UCT-TMF 5	UCT-TMF 6	UCT-TMF 8	UCT-TMF 10	UCT-TMF 12	UCT-TMF 16
		See page 19							
			TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
		See page 27							
		3.5	4	5	6	8	10	12	16
Screw terminal blocks									
UT 2,5…, UTTB 2,5…, UTN 2,5…	5			■					
UT 4…, UTTB 4…, UTME(D) 4…, USST 4…, UTN 4…	6				■				
UT 6…, UTME(D) 6…, USST 6…, UTN 6…	8					■			
UT 10…, USST 10…	10						■		
UT 16…, UTI 16…	12							■	
UT 35	16								■
UK 1,5 N…, USLKG 1,5 N	4		■						
UK 2,5 N…, USLKG 2,5 N, UK 3 N…, USLKG 3, UKK(B) 3…, UDK 3…, MTK(D)…	5			■					
UK 5 N…, USLKG 5 N, UDK 4…, UKK(B) 5, UDMTK(B) 5…, UKN 2,5…, UKN 5…, PIK 4…	6				■				
UK 6 N…, USLKG 6 N, UKN 6…, PIK 6…, URTK…, UGSK…, URDK…	8					■			
UK 10 N…, USLKG 10 N, UKKB 10…, UKN 10…	10						■		
U(I)K 16…, U(I)SLKG 16, UIKN 16…	12							■	
U(I)K 35…, U(I)SLKG 35, UIKN 35…	15								
UKH…, USLKG 50/95	>16								
DIK(D) 1,5…, DOK(D) 1,5…, VIOK 1,5…, DLK(B) 2,5…, SLKK 5…	6				■				
UVKB 4…, UHK 4…, USK 4…, UK 4…, UKK 4…, VBST 4…	6				■				
TMC…, TMCP SOCKET…	12							■	
UK 5-HESI…, UKK 5-HESI…, UK-SI…, UK 6-FSI…, UK 10-DREHSI…	8					■			
UK 6,3-HESI…, USIG…	10						■		
MT 1,5…, MTTB 1,5…	4		■						
MBK…, MBK 2,5…, MBK 3…, MSLKG 2,5, MBKKB 2,5…	5			■					
MBK 5…, MSLKG 5	6				■				
MBK 6 …, MSLKG 6	8					■			
DFK 4…	6				■				
DFK 5…	9.5								
UW(V) 4...	8					■			
UW(V) 10.../16.../25....	≥ 10						■		
HDFK(V) 50…, HDFK(V) 95…	>18							■	

All terminal blocks can also be labeled with the UniSheet material US-TMF 100.

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

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

Terminal block marking for Phoenix Contact

Large terminal markers for central labeling	Pitch	UCT-TM 3,5	UCT-TM 4	UCT-TM 5	UCT-TM 6	UCT-TM 7,62	UCT-TM 8	UCT-TM 10	UCT-TM 12	UCT-TM 16
		See page 19								
			TMT 4 R	TMT 5 R	TMT 6 R		TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
		See page 27								
		3.5	4	5	6	7.62	8	10	12	16
Spring-cage terminal blocks										
ST 1,5/S...	3.5	■								
ST 1,5...	4	■	■							
ST 2,5… (except ST 2,5-3L...)	5	■	■	■						
ST 4…	6	■	■	■	■					
ST 6…, STME(D) 6...	8	■	■	■	■	■	■			
ST 10…	10	■	■	■	■	■	■	■		
ST 16...	12	■	■	■	■	■	■	■	■	
ST 35...	16	■	■	■	■	■	■	■	■	■
ST 4-HESI (6,3 x 32), ST 4-FSI...	8	■	■	■	■	■	■			
STU 2,5...	5	■	■	■						
STU 4..., STTBU 4...	6	■	■	■	■					
STU 10...	10	■	■	■	■	■	■	■		
STU 35...	16	■	■	■	■	■	■	■	■	■
STS 2,5..., STTBS 2,5...	5	■	■	■						
STS 4..., STTBS 4...	6	■	■	■	■					
STS 6...	8	■	■	■	■	■	■			
STI 2,5..., STN 2,5...	5	■	■	■						
STI 4..., STN 4...	6	■	■	■	■					
STI 10..., STN 10...	10	■	■	■	■	■	■	■		
STI 16..., STN 16...	12	■	■	■	■	■	■	■	■	
STN 35...	16	■	■	■	■	■	■	■	■	■
SRTK 6..., SGSK 6..., SRDK 6...	8	■	■	■	■	■	■			
MSB(V) 2,5.../MSDB(V) 2,5...	5	■	■	■						
ZRV...	7.62	■	■	■	■	■				
ZRTK..., ZGSK..., ZRDK...	8	■	■	■	■	■	■			

All terminal blocks can also be labeled with the UniSheet material US-TMF 100.

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

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

Terminal block marking for Phoenix Contact

Small terminal markers for central and external labeling	Pitch	UCT-TMF 3,5	UCT-TMF 4	UCT-TMF 5	UCT-TMF 6	UCT-TMF 8	UCT-TMF 10	UCT-TMF 12	UCT-TMF 16
		See page 19							
			TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
		See page 27							
		3.5	4	5	6	8	10	12	16
Spring-cage terminal blocks									
ST 1,5/S…	3.5	■							
ST 1,5…, STTB 1,5…	4	▪	■						
ST 2,5…, STTB 2,5…, ST 2,5-3…, STIO…	5	▪	▪	■					
ST 4…, STTB 4…	6	▪	▪	▪	■				
ST 6…, STME(D) 6…	8	▪	▪	▪	▪	■			
ST 10…	10	▪	▪	▪	▪	▪	■		
ST 16…	12	▪	▪	▪	▪	▪	▪	■	
ST 35…	16	▪	▪	▪	▪	▪	▪	▪	■
ST 4-HESI (6,3 x 32), ST 4-FSI…	8	▪	▪	▪	▪	■			
STU 2,5…	5	▪	▪	■					
STU 4…, STTBU 4…	6	▪	▪	▪	■				
STU 10…	10	▪	▪	▪	▪	▪	■		
STU 35…	16	▪	▪	▪	▪	▪	▪	▪	■
STS 2,5…, STTBS 2,5…	5	▪	▪	■					
STS 4…, STTBS 4…	6	▪	▪	▪	■				
STS 6…	8	▪	▪	▪	▪	■			
STI 2,5…, STN 2,5…	5	▪	▪	■					
STI 4…, STN 4…	6	▪	▪	▪	■				
STI 10…, STN 10…	10	▪	▪	▪	▪	▪	■		
STI 16…, STN 16…	12	▪	▪	▪	▪	▪	▪	■	
STN 35…	16	▪	▪	▪	▪	▪	▪	▪	■
SRTK 6…, SGSK 6…, SRDK 6…	8	▪	▪	▪	▪	■			
MSB(V) 2,5…/MSDB(V) 2,5…	5/10	▪	▪	■					
ZRV…	7.62	▪	▪	▪	▪				
ZRTK…, ZGSK…, ZRDK…	8	▪	▪	▪	▪	■			
ZFK 6-DREHSI…	12	▪	▪	▪	▪	▪	▪	■	
ZFKK 2,5…	5	▪	▪	■					
ZDMTK 2,5…	6	▪	▪	▪	■				
ZPV…	5	▪	▪	■					
MZFK(K) 1,5…, MZB 1,5…	5	▪	▪	■					
MZDB 1,5…	10	▪	▪	▪	▪	▪	■		

All terminal blocks can also be labeled with the UniSheet material US-TMF 100.

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

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

Terminal block marking for Phoenix Contact

Large terminal markers for central and external labeling	Pitch	UCT-TM 3,5	UCT-TM 4	UCT-TM 5	UCT-TM 6	UCT-TM 7,62	UCT-TM 8	UCT-TM 10	UCT-TM 12	UCT-TM 16
		See page 19								
			TMT 4 R	TMT 5 R	TMT 6 R		TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
		See page 27								
		3.5	4	5	6	7.62	8	10	12	16
Push-in connection terminal blocks										
PIT 1,5/S..., PITTB 1,5/S...	3.5	■								
PIT 2,5..., PITTB 2,5..., PITS 2,5..., PITTBS 2,5...	5	■	■	■						
PITI 2,5..., PITN 2,5...	5	■	■	■						
PIT 4..., PITTB 4..., PITME(D) 4...	6	■	■	■	■					
PITI 4..., PITN 4...	6	■	■	■	■					
PIT 6..., PITME(D) 6...	8	■	■	■	■	■	■			
PITI 6..., PITN 6...	8	■	■	■	■	■	■			

All PIT terminal blocks can also be labeled with the UniSheet material US-TM 100 in the central groove and US-TMF 100 in the lateral groove.

Fast connection terminal blocks										
QTC(U)(S) 1,5...,	5	■	■	■						
QTC(U)(S) 2,5...,	6	■	■	■	■					

Bolt connection terminals										
RT(O) 3...	12	■	■	■	■	■	■	■	■	
RT(O) 5...	16	■	■	■	■	■	■	■	■	■
RT(O) 8...	20	■	■	■	■	■	■	■	■	■
HV M.../1, HV M.../2	>13	■	■	■	■	■	■	■	■	
UHV 25-240	>26	■	■	■	■	■	■	■	■	■

All terminal blocks can also be labeled with the UniSheet material US-TMF 100.

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

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

Terminal block marking for Phoenix Contact

Small terminal markers for central and external labeling	Pitch	UCT-TMF 3,5	UCT-TMF 4	UCT-TMF 5	UCT-TMF 6	UCT-TMF 8	UCT-TMF 10	UCT-TMF 12	UCT-TMF 16
		See page 19							
			TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
		See page 27							
		3.5	4	5	6	8	10	12	16
Push-in connection terminal blocks									
PIT 1,5/S..., PITTB 1,5/S...	3.5	■							
PIT 2,5..., PITTB 2,5..., PITS 2,5..., PITTBS 2,5...	5	■	■	■					
PITI 2,5..., PITN 2,5...	5	■	■	■					
PIT 4..., PITTB 4..., PITME(D) 4...	6	■	■	■	■				
PITI 4..., PITN 4...	6	■	■	■	■				
PIT 6..., PITME(D) 6...	8	■	■	■	■	■			
PITI 6..., PITN 6...	8	■	■	■	■	■			
Fast connection terminal blocks									
QTC(U)(S) 1,5..., QTTCB(U)(S) 1,5...	5	■	■	■					
QTC(U)(S) 2,5...	6	■	■	■	■				
Bolt connection terminals									
RT(O) 3...	12	■	■	■	■	■	■	■	
RT(O) 5...	16	■	■	■	■	■	■	■	■
RT(O) 8...	20	■	■	■	■	■	■	■	■
HV M.../1, HV M.../2	>13	■	■	■	■	■	■	■	
UHV 25-240	>26	■	■	■	■	■	■	■	■
COMBI connectors									
UPBV 2,5...	5	■	■	■					
UP 4..., UPBV 4...	6	■	■	■	■				
PP-H 1,5/S..., PPC 1,5/S...	3.5	■							
PP-H 2,5/...	5	■	■	■					
SP(V) 2,5..., SP(D)B 2,5..., SC 2,5...	5	■	■	■					
SP 4..., SC 4...	6	■	■	■	■				
DPB 1,5...	5	■	■	■					
QP 1,5...	5	■	■	■					

All PIT terminal blocks can also be labeled with the UniSheet material US-TM 100 in the central groove and US-TMF 100 in the lateral groove.

All terminal blocks can also be labeled with the UniSheet material US-TMF 100.

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

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

Terminal block marking for Weidmüller

		UCT1-TM 5	UCT1-TM 6	UCT1-TMF 5	UCT1-TMF 6
Sheet, WH		**0829482**	**0829483**	**0829237**	**0829243**
	Pitch	5	6	5	6
Screw terminal blocks					
AKZ 1,5/AKZ 2,5	5			■	
AKZ 4/AKE 4	6			■	■
DLD(A)2,5.../MAK 2,5/VLI 2,5	6			■	■
SAK 10/16/35/95//EK 10/16/35	5	■		■	
SAK 2,5/4//EK 2,5/4	6	■	■	■	■
SAKS.../SAK 6//EK 6	8	■	■	■	■
WDK 2,5/4...	5			■	
WDL 2,5...	6	■	■	■	■
WDT...	5	■		■	
WDU (WPE) 1,5/2,5...	5	■		■	
WDU (WPE) 4...	6	■	■	■	■
WDU (WPE) 6-240...	8	■	■	■	■
WF…	8	■	■	■	■
WFF...	6	■	■	■	■
WNT 2,5	5	■		■	
WNT 4	6	■	■	■	■
WNT 6-WNT 70N	8	■	■	■	■
WSI 4	6	■	■	■	■
WSI 6	6	■	■	■	■
WTL 4/6	6	■	■	■	■
WTR 2,5...	5	■		■	
WTR 4...	6	■	■	■	■

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

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

Terminal block marking for Weidmüller

		UCT1-TM 5	UCT1-TM 6	UCT1-TMF 5	UCT1-TMF 6
Sheet, WH		**0829482**	**0829483**	**0829237**	**0829243**
	Pitch	5	6	5	6
Spring-cage terminal blocks					
ZDK 2,5 (PE).../ZDLD 2,5.../ZMAK 2,5	5			■	
ZDK 4 (PE)...	6			■	■
ZDK 6/S	8			■	■
ZDL 2,5/S.../ZDL 4/S...	5			■	
ZDT 2,5 (PE).../ZT (PE) 2,5.../ZP 2,5...	5			■	
ZDU (ZPE) 10...- ZDU (ZPE) 35/ZEI 16...	5			■	
ZDU (ZPE) 2,5...	5			■	
ZDU (ZPE) 4...	6	■	■	■	■
ZDU (ZPE) 6.../ZEI 6	8	■	■	■	■
ZNT 2,5/10/16/35...	5	■		■	
ZNT 4	6	■	■	■	■
ZNT 6	8	■	■	■	■
ZPV 1,5.../ZIA 1,5.../ZVL 1,5...	5			■	
ZSI 2,5.../ZSI 6...	5	■		■	
ZSI 6-2/FC	6	■	■	■	■
ZT (PE) 4.../ZP 4...	6	■	■	■	■
ZDT 6/ZTL 6	6	■	■	■	■
ZTR 2,5.../ZDTR 2,5.../ZDL 2,5...	5			■	
IDC terminal blocks					
IDU (IPE 1,5) N.../ITR 1,5 N.../IDK 1,5 N (PE)...	5	■		■	
IDU (IPE) 2,5 N.../ITR 2,5 N...	6	■	■	■	■
IT 1,5.../IEK 1,5 N (PE).../IAK 1,5 N.../IIK 1,5 N...	5	■		■	
Push-in terminal blocks					
PDL 4...	5			■	
PDU (PPE) 2,5/4.../PDK 2,5/4 (PE)...	5	■		■	
PDU (PPE) 6/10.../PDU (PPE) 16.../PEI 16...	8	■	■	■	■
PNT 2,5/4	5	■		■	
PNT 6/10/16	8	■	■	■	■

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

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

Terminal block marking for Wago

		UCT2-TM 5/6	UCT1-TMF 5	UCT1-TMF 6
Sheet, WH		**0829249**	**0829237**	**0829243**
	Pitch	5	5	6
Spring-cage terminal blocks				
2001...	4			
2002..., 2003...	5	■	■	
2004..., 2005..., 2006...	6	■	■	■
2010..., 2016...	8	■	■	■
261..., 264...	6		■	■
270...	5		■	
279...	4			
280...	5	■		
280-8...	5		■	
281...	6	■		
282..., 283..., 284..., 285...	8	■		
290...	5	■		
727...	6	■		
769...	5		■	
775..., 776..., 777...	6	■		
780...	5	■		
781...	6	■		
782..., 783..., 784..., 785...	8	■		
869..., 870..., 880...	5	■	■	

All terminal blocks can also be labeled with the UniSheet material US2-TM 100.

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

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

Terminal block marking for Wieland

		UCT3- TM 5	UCT3- TM 6
Sheet, WH		**0829251**	**0829252**
	Pitch	5	6
Screw terminal blocks			
9700 A/5…	5		
9700 A/6…	6		
9700 A/8…	8		
9700 A/10…	10		
9700 A/12…	12		
9700 A/16…	16		
9700 A/6 ETK…	6		
9700 A/8 ETK…	8		
9700 A/10 ETK…	10		
WK(M) 2,5…	5		
WK 4…, WKI 4…, WKM 4…	6		
WK 6…	8		
WKN 10…, WKI 10…	10		
WKN 16…, WKI 16…	12		
WKN 35…, WKI 35…	16		
WKN 70…	24		
WKN 150…	28		
9785 U/…, 9786 U/…	12		

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

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

Terminal block marking for Wieland

			UCT- TM 4	UCT3- TM 5	UCT3- TM 6
Sheet, WH			**0828732**	**0829251**	**0829252**
	Pitch		4	5	6
Spring-cage terminal blocks					
WKF 1,5…	4				
WKF 1,5 KOI…, WKF 1,5 KOA…	5				
WK(I)F 2,5…, WKFN 2,5…	5				
WKF 4…, WKFN 4…	6				
WKF 6…	8				
WKF 10…	10				
WK(I)F 16…	12				
WKF 35…	16				
Fast connection terminal blocks					
WKC 1…	5				
WKC 2,5…	6				
WKF 16…WKC	12				

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

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

Terminal block marking for Conta-Clip

		UCT1-TM 5	UCT1-TM 6	UCT1-TMF 5	UCT1-TMF 6
Sheet, WH		**0829482**	**0829483**	**0829237**	**0829243**
	Pitch	5	6	5	6
Spring-cage terminal blocks					
Z(S)RK 2,5..., ZSL 2,5...	5			■	
ZRK 4..., ZSL 4...	6			■	■
ZRK (ZSL) 6..., ZRK (ZSL) 10..., ZRK (ZSL) 16...	8	■	■	■	■
ZRKD 2,5..., ZSLD 2,5...	5			■	
ZIKD 2,5..., ZVMAK 2,5...	5			■	
ZTRK 2,5...	5			■	
ZIZA 1,5...	5			■	
ZS...	5			■	
Push-in terminal blocks					
FRK 1,5.../FSL 1,5...	4				
FRK 2,5.../FSL 2,5...	5			■	
FRK 4.../FSL 2,5...	6			■	■
FRKD 2,5.../FSLD 2,5...	5			■	
FDLIS 2,5...	5			■	
FTRK 2,5...	5			■	
HSK...	8	■	■	■	■

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

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

Terminal block marking for Conta-Clip

		UCT1-TM 5	UCT1-TM 6	UCT1-TMF 5	UCT1-TMF 6
Sheet, WH		**0829482**	**0829483**	**0829237**	**0829243**
	Pitch	5	6	5	6
Screw terminal blocks					
RK 1,5-4...	6				
RK 2,5...	5				
RK 2,5-4...	6				
RK 6-10.../16.../35...	8				
RK 50...-RK 240...	8				
SL...	5				
RKD 2,5...	5				
RKD 4...	6				
DLI 2,5..., VMAK 2,5...	6				
IK (D) 2,5...	5				
TRK 1,5...	5				
TK.../STK...	8				
PTK...	8				
SIK 10...	8				
STK...	6				
SK...	8				
TSK 2,5	5				
FF.../SF...	6				
DLIS.../DLI...	6				
NT...	6				
RKA 2,5...	5				
RKA 4...	6				
RKA 10...	8				
RKB 4...	5				
KBL 2,5...	5				
KBL 2,5-4...	6				
KBL 6-10...	8				

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

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

Terminal block marking for Klemsan

		UCT1-TM 5	UCT1-TM 6	UCT1-TMF 5	UCT1-TMF 6
Sheet, WH		**0829482**	**0829483**	**0829237**	**0829243**
	Pitch	5	6	5	6
Screw terminal blocks					
AVK 2,5/PEK 2,5 K/WGT 2,5	5	■		■	
AVK 4.../AVK 2,5/4T/PEK 2,5/PEK 4/WGT 4	6	■	■	■	■
AVK 6-240/PEK 6-35	8	■	■	■	■
AVK 6/10T-16/35T//WGT 6/WGT 10	8	■	■	■	■
PIK 2,5...	5	■		■	
PIK 4...	6	■	■	■	■
PIK 3...	6			■	■
ASK 2	8			■	■
ASK 3	6	■	■	■	■
ASK 4/AVK 4 FS	8	■	■	■	■
ASK 4S/ASK 4 LD	6	■	■	■	■
WGO...	8	■	■	■	■
AYK 4...	6	■	■	■	■
AYK 10...	8			■	■
MVK 2,5 (T)	5			■	
MVK 4 (T)	6			■	■
Spring-cage terminal blocks					
YBK 2,5 (T)	5	■		■	
YBK 4 (T)	6	■	■	■	■
YBK 6 (T) (YBK 10 (T)	8	■	■	■	■
MYK 2,5 (T).../MYPPK 2,5...	5			■	
YBK 2,5 F.../YBK 3...	5			■	
YBK 4...	6	■	■	■	■
YBK S.../YBK I...	8			■	■
YBK 2,5 A.../YBK 2,5 E.../YBK 2,5 C...	5	■		■	
PCY 2,5...	5			■	

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

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

Terminal block marking for Cabur

		UCT5- TM 5	UCT5- TM 6
Sheet, WH		**0828750**	**0828752**
	Pitch	5	6
Screw terminal blocks			
AFO.2/1+2	6.5		
AFO.2/2+2	6.5		
CBC.2	5		
CBC.4	6		
CBC.6	8		
CBC.16	12		
CBC.35	16		
CBD.2	5.5		
CBD.4	6.5		
CBD.6	8		
CBD.10	10		
CBD.16	12		
CBD.35	16		
CBD.50	18		
CBD.70	20.5		
CBE.2	5		
CBR.2	5		
CVF.2	5		
CVF.4	6		
DAS.4	5		
DBC.2	5		
DSFA.4	6		
DSS.4	6		
EDM.2	5.5		
EDM.4	6.5		
EDM.6	8		
EDM.10	10		
EDM.16	12		
EDM.25	16		
EDM.35	18.5		
EDM.70	21		

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

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

Terminal block marking for Cabur

		UCT5- TM 5	UCT5- TM 6
Sheet, WH		**0828750**	**0828752**
	Pitch	5	6
Screw terminal blocks			
FDP.2	6.5		
FFS.4	6.5		
FPC.10	12		
FPL.10	12		
FVS.4	6.5		
GPA.70	20.5		
GPA.95	26		
GPA.150	31		
GPA.240	37		
MPFA.4	6		
MPS.2/SV	5.5		
MPS.2/SW	5.5		
MPS.2/SWP	5.5		
MPS.4	6		
PDF.2	6.5		
RN.2	5		
RP.4	6		
SCB.4	6.5		
SCB.6	8		
SFO.4	8		
SFR.4	8		
SFR.6	10		
SV.2	5.5		
SV.4	7		
SV.6	8		
SV.10	10.5		

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

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

Terminal block marking for Cabur

		UCT5- TM 5	UCT5- TM 6
Sheet, WH		**0828750**	**0828752**
	Pitch	5	6
Screw terminal blocks			
TE.6	8		
TE.10	10		
TE.16	12		
TE.35	16		
TEC.6	8		
TEC.10	10		
TEC.16	12		
TEC.35	16		
TEC.70	20.5		
TED.4	6.5		
TEO.2	5.5		
TEO.4	6.5		
TC/DIN	5.5		
TC/PO	5.5		
TDE.2	6		
TLD.2	6		
TLE.2	6		
TLS.2	6		
TR.2	5		
TR.4	7.3		
VPC.2	5		
VPD.2	5		
Spring-cage terminal block			
HCD.1	5.08		
Push-in connection terminal blocks			
NCS	6		
NCV	6		

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

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

Device marking for Phoenix Contact...

	UCT-TM 3,5	UCT-TM 4 TMT 4 R	UCT-TM 5 TMT 5 R	UCT-TM 6 TMT 6 R	UCT-TM 16	UCT-TMF 5 TMT 5 R	UCT-TM 6 TMT 6 R	UCT-TMF8 TMT 8 R	UCT-TMF 10 TMT 10 R	UCT-TMF 12	UCT-TMF 16	US-EMP (20 x 9)	EMT (62 x 10) R	EMT (62 x 46) R
INTERFACE														
Sensor box with M12 slots PSR-SACB											■			
INTERFACE Relay PLC-B…, PLC-O…, PLC-R…				■										
Relay terminal block DEK-REL…				■										
Special relay DEK-OE…				■										
Inverter module DEK-TR…				■								■		
Compact-LINE UM45…														
PROCESS INTERFACE PI-EX…														

	UCT-TM 3,5	UCT-TM 4 TMT 4 R	UCT-TM 5 TMT 5 R	UCT-TM 6 TMT 6 R	UCT-TM 16	UCT-TMF 5 TMT 5 R	UCT-TMF 6 TMT 6 R	UCT-TMF8 TMT 8 R	UCT-TMF 10 TMT 10 R	UCT-TMF 12	UCT-TMF 16	US-EMP (20 x 9)	EMT (62 x 10) R	EMT (62 x 46) R
PLUSCON														
SACB with M8 slots									■					
SACB with M12 slots											■			
SACB with M5 slots		■												
Sensor/actuator cabling accessories														
Data connector VS-SCRJ…, VS-IL-2X…								■						
AS interface distributor ASI CC DIST…								■						
Data front plate VS-SI…														
Modular contact insert HC-M…														
Heavy connector HEAVYCON HC-KA-B…				■										
Heavy connector HEAVYCON HC-KA-D…	■													

Device marking for Phoenix Contact...

	UCT-TM 3,5	UCT-TM 4 TMT 4 R	UCT-TM 5 TMT 5 R	UCT-TM 6 TMT 6 R	UCT-TM 16	UCT-TMF 5 TMT 5 R	CT-TMF 6 TMT 6 R	UCT-TMF8 TMT 8 R	UCT-TMF 10 TMT 10 R	UCT-TMF 12	UCT-TMF 16	US-EMP (20 x 9)	EMT (62 x 10) R	EMT (62 x 46) R
TRABTECH														
Lightning arrester FLASHTRAB compact PLUS											■			
Lightning arrester FLASHTRAB PLUS											■			
Lightning arrester FLASHTRAB compact											■			
Surge arrester VALVETRAB compact														
Surge arrester VALVETRAB MS						■					■			
Device protection MAINS-PLUGTRAB											■			
Pluggable surge protection cascade PLUGTRAB PT…					■									
Modular terminal blocks with surge protection elements TT...														
Basic terminal blocks TT-PI…							■							

	UCT-TM 3,5	UCT-TM 4 TMT 4 R	UCT-TM 5 TMT 5 R	UCT-TM 6 TMT 6 R	UCT-TM 16	UCT-TMF 5 TMT 5 R	UCT-TMF 6 TMT 6 R	UCT-TMF8 TMT 8 R	UCT-TMF 10 TMT 10 R	UCT-TMF 12	UCT-TMF 16	US-EMP (20 x 9)	EMT (62 x 10) R	EMT (62 x 46) R
AUTOMATION														
Inline Modular							■							
Inline Block IO							■						■	■
Interbus ST…				■										
Fieldline Stand-Alone M12										■				
Fieldline Modular M12										■				
Fieldline Modular M8								■						
Fieldline Extension M8								■						
Fieldline Wireless IO M12										■				

UniSheet device marking for marker carriers from Phoenix Contact ...

	US-EMP (17 x 15)	US-EMP (27 x 8)	US-EMP (27 x 12.5)	US-EMP (27 x 15)	US-EMP (27 x 18)	US-EMP (27 x 27)	US-EMP (49 x 15)	US-EMP (60 x 15)	US-EMP (60 x 30)	US-EMP (85.6 x 54)	US-EMLP (27 x 8)	US-EMLP (27 x 12.5)	US-EMLP (27 x 15)	US-EMLP (27 x 18)	US-EMLP (27 x 27)
Phoenix Contact															
CARRIER-EMP 22 (27 x 8)		■													
CARRIER-EMP 22 (27 x 12.5)			■												
CARRIER-EMP 22 (27 x 15)				■											
CARRIER-EMP 22 (27 x 18)					■										
CARRIER-EMP 22 (27 x 27)						■									
CARRIER-EMP (17 x 15)	■														
CARRIER-EMP (27 x 15)				■											
CARRIER-EMP (49 x 15)							■								
CARRIER-EMP (60 x 15)								■							
CARRIER-EMP (60 x 30)									■						
CARRIER-EMP (85.6 x 54)										■					
CARRIER-EMLP 22 (27 x 8)											■				
CARRIER-EMLP 22 (27 x 12.5)												■			
CARRIER-EMLP 22 (27 x 15)													■		
CARRIER-EMLP 22 (27 x 18)														■	
CARRIER-EMLP 22 (27 x 27)															■

Device marking for Siemens controllers

	EMT (50/28 x 13) R...	EMT (50 x 26) R...	EMT (103 x 17) R...	EMT (103 x 23) R...
ET 200S				
S7-300				

Type	Order No.	Page
A		
AK-DST/DIK	1000779	37
AK-DST/UK	1000708	37
C		
CARRIER-EMLP 22 (27 x 12,5)	0828985	41
CARRIER-EMLP 22 (27 x 15)	0828986	41
CARRIER-EMLP 22 (27 x 18)	0828987	41
CARRIER-EMLP 22 (27 x 27)	0828988	41
CARRIER-EMLP 22 (27 x 8)	0828984	41
CARRIER-EMP (1000 x 15) COVER	0829520	41
CARRIER-EMP (1000 x 15) GY	0829366	41
CARRIER-EMP (1000 x 15) TR	0829530	41
CARRIER-EMP (17 x 15)	0827450	41
CARRIER-EMP (27 x 15)	0827451	41
CARRIER-EMP (49 x 15)	0827452	41
CARRIER-EMP (60 x 15)	0827453	41
CARRIER-EMP (60 x 30)	0827454	41
CARRIER-EMP (85,6 x 54)	0829365	41
CARRIER-EMP 22 (27 x 12,5)	0827446	41
CARRIER-EMP 22 (27 x 15)	0827447	41
CARRIER-EMP 22 (27 x 18)	0827448	41
CARRIER-EMP 22 (27 x 27)	0827449	41
CARRIER-EMP 22 (27 x 8)	0827445	41
CARRIER/L-EMP (1000 x 15) GY	0829559	41
CARRIER/L-EMP (1000 x 15) TR	0829560	41
CLIP-PROJECT ADVANCED	5146040	8
CLIP-PROJECT PROFESSIONAL	5146053	8
E		
EML (100 x 73)R	0817125	32
EML (100 x 73)R SR	0817112	32
EML (100 x 73)R YE	0817138	32
EML (100 x 90)R	0817154	32
EML (100 x 90)R SR	0817141	32
EML (100 x E)RL SR	0815787	33
EML (101,6 x 25,4)RL SR	0815790	32
EML (10 x 4)R	0815583	32
EML (10 x 7)R	0816663	32
EML (10 x 7)R YE	0816676	32
EML (15 x 9)R	0815677	32
EML (15 x 9)R SR	0816032	32
EML (15 x 9)R YE	0816045	32
EML (16,5 x 5)R	0816702	32
EML (16,5 x 5)R YE	0816728	32
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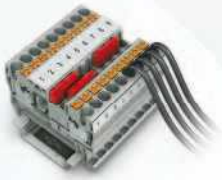

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INSPIRING INNOVATIONS

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
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