# UC-TM 4 CUS - Marker for terminal blocks

0824573

https://www.phoenixcontact.com/us/products/0824573

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Marker for terminal blocks, can be ordered: by sheet, white (RAL 9010), labeled according to customer specifications, mounting type: latching, for terminal block width: 4.2 mm, Number of individual labels: 120, text field height: 10.5 mm, text field width: 3.6 mm

## Your advantages

- The UC-TM ... UniCard labeling range includes markers for products with tall marker grooves
- The multi-section marking strips are easy to fit and can be easily separated if required
- Marking service: Phoenix Contact can custom-mark all UniCard markers according to your specifications
- The markers support multi-line labeling
- The format automatically ensures printing with a high degree of positioning accuracy
- The sheets provide space for including function texts

## Commercial data

| | |
|---|---|
| Item number | 0824573 |
| Packing unit | 1 pc |
| Minimum order quantity | 10 pc |
| Note | Made to order (non-returnable) |
| Sales key | BG24 |
| Product key | BG8117 |
| GTIN | 4046356356817 |
| Weight per piece (including packing) | 12.4 g |
| Weight per piece (excluding packing) | 10.95 g |
| Customs tariff number | 49119900 |
| Country of origin | PL |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Terminal marker |
| Pitch | 4.2 mm |

Marking

| | |
|---|---|
| Number of individual labels | 120 |
| Number of individual labels per row | 15 |
| Marking groove | high |
| Identification technology | UV LED technology |

### Dimensions

| | |
|---|---|
| Width | 3.60 mm |
| Height | 10.50 mm |
| Depth | 4.30 mm |
| Pitch | 4.2 mm |

Text field

| | |
|---|---|
| Text field width | 3.6 mm |
| Text field height | 10.5 mm |

### Material specifications

| | |
|---|---|
| Color | white (RAL 9010) |
| Material | PA |
| Flammability rating according to UL 94 | V2 |
| Base element material | PA |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 2 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 2 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 2 |
| Components | free from silicone and halogen |

### Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -40 °C ... 120 °C |
| Recommended ambient temperature (storage/transport) | 23 °C |
| Recommended humidity (storage/transport) | 50 % (Storage in a dry and dark place in the original packaging is recommended) |

Test for substances that would hinder coating with paint or varnish

| | |
|---|---|
| Testing for paint wetting impairment substances (LABS-conformity) | VDMA 24364-A1-L:2018-05 |
| Result | Test passed |

Test for substances that would hinder coating with paint or varnish

| | |
|---|---|
| Testing for paint wetting impairment substances (LABS-conformity) | VW PV 3.10.7:2005-02 |
| Result | Test passed |

Scratch resistance

| | |
|---|---|
| Specification | EN ISO 1518-1:2023 (following) |
| Requirements | ≥ 5 N |
| Result | Test passed |

Tesafilm test

| | |
|---|---|
| Specification | DIN EN ISO 2409:2020-12 (following) |
| Result | Test passed |

UV resistance

| | |
|---|---|
| Specification | DIN EN ISO 4892-2:2021-11 (following) |
| Result | Test passed |
| Test duration | 96 h |
| Procedure | Artificial irradiation. |

Temperature resistance

| | |
|---|---|
| Specification | ANSI/UL 969-2018:03 (following) |
| Test duration | 240 h |
| Rating 125 °C (150 °C) | Test passed |

Wipe resistance of inscriptions

| | |
|---|---|
| Specification | DIN EN 61010-1 (VDE 0411-01):2020-03 |
| | DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropanol (99%) [67-63-0] | Test passed |
| n-Hexane<br>[CAS No. 110-54-3] | Test passed |
| Water + Petroleum ether<br>[CAS No. 64742-82-1] | Test passed |
| Sodium hydroxide 0.1 mol/l<br>[CAS No. 1310-73-2] | Test passed |
| Ethanol (99 %)<br>[CAS No. 64-17-5] | Test passed |
| Acetone (99 %)<br>[CAS No. 67-64-1] | Test passed |

Immersion in chemicals, oil & fuel

| | |
|---|---|
| Specification | ISO 175:2010 (following) |
| Test duration | 168 h |
| Sodium hydroxide 0.1 mol/l<br>[CAS No. 1310-73-2] | Test passed |
| Saltwater (saturated 350 g/l)<br>[CAS No. - ] | Test passed |
| Ethanol (99 %)<br>[CAS No. 64-17-5] | Test passed |
| Acetone (99 %)<br>[CAS No. 67-64-1] | Test passed |

| | |
|---|---|
| Methylethylketone (MEK)<br>[CAS No. 78-93-3] | Test passed |
| Gasoline<br>[CAS No. 64742-49-0] | Test passed |
| Diesel<br>[CAS No. 68476-34-6] | Test passed |
| IRM 901 | Test passed |
| IRM 902 | Test passed |
| IRM 903 | Test passed |

Testing in a condensation changing climate in the presence of sulfur dioxide

| | |
|---|---|
| Specification | EN ISO 22479:2022-06 |
| Result | Test passed |
| Procedure | Method B |
| Cycles | 2 |

Salt spray test

| | |
|---|---|
| Specification | DIN EN IEC 60068-2-11 (VDE 0468-2-11):2022-10 |
| Result | Test passed |
| Test duration | 96 h |

## Standards and regulations

| | |
|---|---|
| Wipe resistance | DIN EN 61010-1 (VDE 0411-1) |

Standards

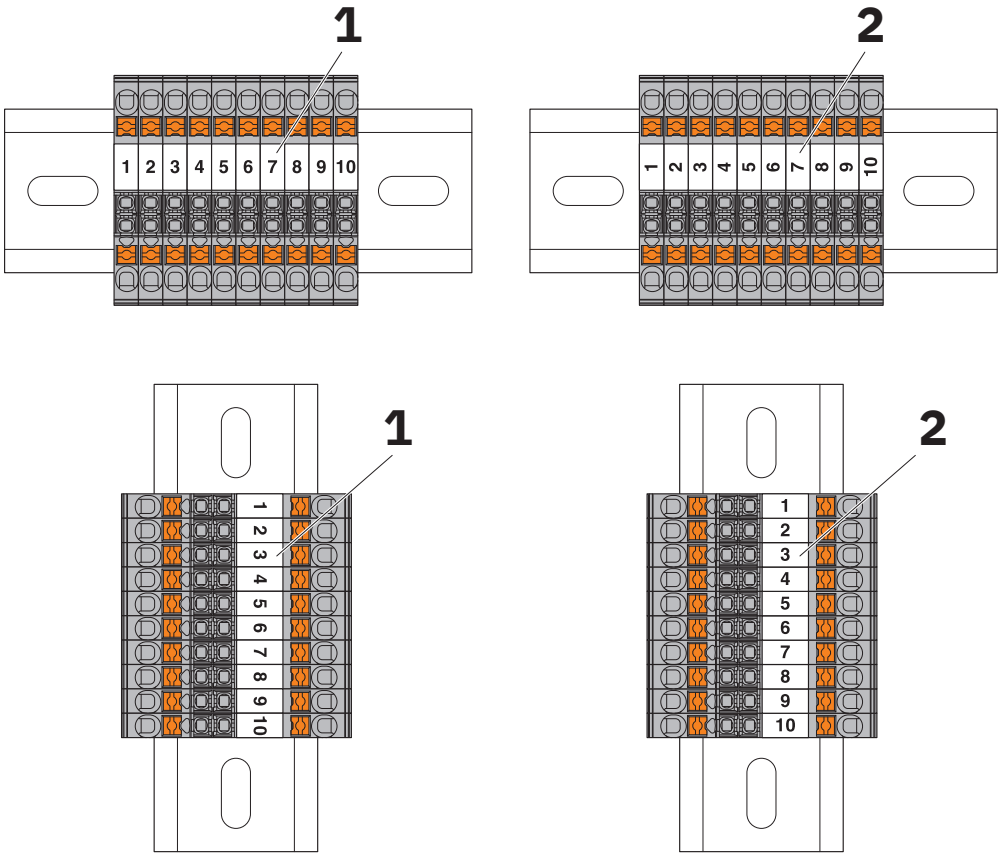
| | |
|---|---|
| Standards/regulations | EN 45545-2 |

## Mounting

| | |
|---|---|
| Mounting type | latching |

## Drawings

Schematic diagram




① Horizontal
② Vertical

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27281101 |
| ECLASS-15.0 | 27281101 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC000761 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39131500 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.093 kg CO2e |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