

# UC-TMF 16 RD - Marker for terminal blocks



0817824

<https://www.phoenixcontact.com/us/products/0817824>

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Marker for terminal blocks, Sheet, red (RAL 3001), unmarked, can be labeled with: BLUEMARK E.CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 16 mm, Number of individual labels: 32, text field height: 4.8 mm, text field width: 15.45 mm

## Your advantages

- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK printing systems
- The UC-TM ... UniCard labeling range includes terminal markers for Phoenix Contact products with flat marker grooves
- The multi-section marking strips are easy to fit and can be easily separated if required
- The markers support multi-line labeling
- The sheets provide space for including function texts
- Marking service: Phoenix Contact can custom-mark all UniCard markers according to your specifications

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 0817824       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | NULL          |
| Product key                          | BG2117        |
| GTIN                                 | 4046356108195 |
| Weight per piece (including packing) | 7.31 g        |
| Weight per piece (excluding packing) | 5.99 g        |
| Customs tariff number                | 39269097      |
| Country of origin                    | PL            |

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## Technical data

### Product properties

|                |                 |
|----------------|-----------------|
| Product type   | Terminal marker |
| Product family | UC-TMF          |
| Pitch          | 16 mm           |

### Marking

|                                     |                   |
|-------------------------------------|-------------------|
| Number of individual labels         | 32                |
| Number of individual labels per row | 4                 |
| Slot type                           | flat              |
| Identification technology           | UV LED technology |

### Dimensions

|        |          |
|--------|----------|
| Width  | 15.45 mm |
| Height | 6.50 mm  |
| Depth  | 1.60 mm  |
| Pitch  | 16 mm    |

### Text field

|                   |          |
|-------------------|----------|
| Text field width  | 15.45 mm |
| Text field height | 4.8 mm   |

### Material specifications

|                                                        |                                |
|--------------------------------------------------------|--------------------------------|
| Color                                                  | red (RAL 3001)                 |
| 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

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|                                                                   |                      |
|-------------------------------------------------------------------|----------------------|
| 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<br>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              |

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|                                              |             |
|----------------------------------------------|-------------|
| 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

Standards

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

## Mounting

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

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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## 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                                 | 0.059 kg CO2e              |

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