

# UC-WMCO 2,1 (12X3) - Conductor marker



0827120

<https://www.phoenixcontact.com/gb/products/0827120>

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Conductor marker, Sheet, white, unlabeled, can be labeled with: BLUEMARK E.CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, cable diameter range: 1.6 ... 2.1 mm, mounting type: slide-on, Number of individual labels: 40, text field height: 3 mm, text field width: 12 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-WMCO ... UniCard labeling range includes thread-on markers for the subsequent labeling of conductors by simply sliding them on using the UC-WMCO ... TOOL
- The format automatically ensures printing with a high degree of positioning accuracy
- Secure tight fit even in the event of vibrations
- Large-surface labeling option in a space-saving design
- 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                          | 0827120             |
| Packing unit                         | 10 pc               |
| Minimum order quantity               | 10 pc               |
| Sales key                            | BG2217              |
| Product key                          | BG2217              |
| Catalog page                         | Page 198 (C-3-2019) |
| GTIN                                 | 4046356440226       |
| Weight per piece (including packing) | 8.36 g              |
| Weight per piece (excluding packing) | 8.36 g              |
| Customs tariff number                | 39269097            |
| Country of origin                    | PL                  |

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## Technical data

### Product properties

|              |                   |
|--------------|-------------------|
| Product type | Conductor marking |
| Type         | Card form         |

### Marking

|                                     |                   |
|-------------------------------------|-------------------|
| Number of individual labels         | 40                |
| Number of individual labels per row | 10                |
| Identification technology           | UV LED technology |

### Dimensions

|        |        |
|--------|--------|
| Width  | 12 mm  |
| Height | 3.2 mm |
| Depth  | 3.3 mm |

### External dimensions

|                  |                   |
|------------------|-------------------|
| Outside diameter | 1.6 mm ... 2.1 mm |
|------------------|-------------------|

### Text field

|                   |       |
|-------------------|-------|
| Text field width  | 12 mm |
| Text field height | 3 mm  |

### Material specifications

|                                                                         |                                |
|-------------------------------------------------------------------------|--------------------------------|
| RoHS compliant                                                          | yes                            |
| Color                                                                   | white (RAL 9010)               |
| Material                                                                | PA                             |
| Flammability rating according to UL 94                                  | V2                             |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 120 °C                         |
| 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 |

### Cable/line

|                         |                   |
|-------------------------|-------------------|
| External cable diameter | 1.6 mm ... 2.1 mm |
|-------------------------|-------------------|

### Environmental and real-life conditions

Test for substances that would hinder coating with paint or varnish

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

### UV resistance

|               |                                |
|---------------|--------------------------------|
| Specification | ISO 4892-2:2013-03 (following) |
| Result        | Test passed                    |

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|               |      |
|---------------|------|
| Test duration | 96 h |
|---------------|------|

## Wipe resistance of inscriptions

|                                                 |                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------|
| Specification                                   | DIN EN 61010-1 (VDE 0411-1):2011-07<br>DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropyl<br>[CAS No. 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                                                                           |

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

|               |                   |
|---------------|-------------------|
| Specification | DIN 50018:2013-05 |
| Result        | Test passed       |
| Climate level | AHT 1.0 S         |
| Cycles        | 2                 |

## Salt spray test

|               |                           |
|---------------|---------------------------|
| Specification | DIN EN 60068-2-11:2000-02 |
| Result        | Test passed               |

## Ambient conditions

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

## Standards and regulations

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

## Standards

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

## Mounting

|               |          |
|---------------|----------|
| Mounting type | slide-on |
|---------------|----------|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27281102 |
|-------------|----------|

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001530 |
|----------|----------|

### 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% |
|-------------------------------------|----------------------------|

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