

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



0827120

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

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Conductor marker, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: slide-on, cable diameter range: 1.6 ... 2.1 mm, lettering field size: 12 x 3 mm, Number of individual labels: 40

## 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                         | 1 pc                |
| Minimum order quantity               | 10 pc               |
| Sales Key                            | BG10                |
| 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 |

### Marking technology

|              |                       |
|--------------|-----------------------|
| Device       | 5147999 BLUEMARK CLED |
| Printability | UV LED technology     |

### Dimensions

|        |       |
|--------|-------|
| Width  | 3 mm  |
| Length | 12 mm |

### External dimensions

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

### Material specifications

|                                                                         |                                |
|-------------------------------------------------------------------------|--------------------------------|
| RoHS compliant                                                          | yes                            |
| Color                                                                   | white                          |
| 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                    |
| Test duration | 96 h                           |

#### Wipe resistance of inscriptions

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|               |                                                |
|---------------|------------------------------------------------|
| Specification | DIN EN 61010-1 (VDE 0411-1):2011-07            |
|               | DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |

## 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) |
|-----------------|-----------------------------|

## Mounting

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

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27281102 |
| ECLASS-12.0 | 27281102 |
| ECLASS-13.0 | 27281102 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC001530 |
|----------|----------|

### UNSPSC

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

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## Accessories

### BLUEMARK ID - Printer

1003334

<https://www.phoenixcontact.com/us/products/1003334>



Monochrome printer with UV LED technology, with integrated "MARKING SYSTEM APP" marking software on board. 7" touch color display for printing plastic tags in UC, UCT, US, and UM format, as well as metal plates.

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### BLUEMARK ID COLOR - Printer

1002329

<https://www.phoenixcontact.com/us/products/1002329>



CMYK multicolor printer with UV LED technology, with integrated "MARKING SYSTEM APP" marking software on board, 7" touch color display for printing plastic tags in UC, UCT, US, and UM format, as well as metal plates.

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## BLUEMARK CLED - Printer

5147999

<https://www.phoenixcontact.com/us/products/5147999>

Printers with LED-UV technology for printing plastic labels in UniCard format.



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## BM ID-CLEANING CARTR. - Cleaning cartridge

1044350

<https://www.phoenixcontact.com/us/products/1044350>

Replacement cleaning cartridge



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### CMS-PEN 0,25 - Marker pen

5067815

<https://www.phoenixcontact.com/us/products/5067815>

Marker pen, incl. adapter, ink tank and reservoir, 0.25 mm nib



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### CMS-PEN 0,35 - Marker pen

5067828

<https://www.phoenixcontact.com/us/products/5067828>

Marker pen, incl. adapter, ink tank and reservoir, 0.35 mm nib



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## CMS-PEN 0,50 - Marker pen

5067831

<https://www.phoenixcontact.com/us/products/5067831>

Marker pen, incl. adapter, ink tank and reservoir, 0.5 mm nib



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## CMS-INK-TR-C5 - Ink cartridge

5146684

<https://www.phoenixcontact.com/us/products/5146684>

Ink cartridge, special black ink, 5 cartridges of 1 ml each, for high demands



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## UC-WMCO 2,1 TOOL - Alignment tool for cable markers

0827803

<https://www.phoenixcontact.com/us/products/0827803>



Alignment tool for cable markers, orange, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: slide-on, cable diameter range: 1.6 ... 2.1 mm

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## UC-WMCO TOOL SET - Alignment tool for cable markers

0827807

<https://www.phoenixcontact.com/us/products/0827807>



Alignment tool for cable markers, orange, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: slide-on, cable diameter range: 1.6 ... 7 mm

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## P1 UC-MAG 7 - Magazine

5146568

<https://www.phoenixcontact.com/us/products/5146568>

Magazine, for CMS-P1-PLOTTER and PLOTMARK, for accommodating: UC-WMCO...



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## BLUEMARK CLED-FLUID-CARTR. - Ink cartridge

5146662

<https://www.phoenixcontact.com/us/products/5146662>

Cartridge, for replacement, 20 ml UV color, black, including cleaning cartridge



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## BLUEMARK FLUID-CARTRIDGE - Ink cartridge

5147421

<https://www.phoenixcontact.com/us/products/5147421>

Cartridge, for replacement, 28 ml UV color, black including cleaning cartridge



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## BM ID-CARTR. BK - Ink cartridge

1044345

<https://www.phoenixcontact.com/us/products/1044345>

Replacement UV fluid, 23 ml, color: black



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## BM ID-CARTR. CY - Ink cartridge

1044346

<https://www.phoenixcontact.com/us/products/1044346>

Replacement UV fluid, 23 ml, color: cyan



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## BM ID-CARTR. YE - Ink cartridge

1044348

<https://www.phoenixcontact.com/us/products/1044348>

Replacement UV fluid, 23 ml, color: yellow



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