

# UC-EMLP (49X15)-EX - Plastic label



0803227

<https://www.phoenixcontact.com/us/products/0803227>

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Plastic label, Sheet, white (RAL 9010), unmarked, can be labeled with: BLUEMARK E.CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: adhesive, Number of individual labels: 4, text field height: 15 mm, text field width: 49 mm

## Your advantages

- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK printing system
- The UC-EMLP ...-EX self-adhesive device markers have been specifically developed for marking various types of equipment in the Ex area
- The format automatically ensures printing with a high degree of positioning accuracy
- The wide temperature range means that the labels can be used in control cabinets as well as the field
- The sheets provide space for including function texts
- The marking requirements in terms of legibility, adhesion, and wipe resistance in potentially explosive areas (ATEX), according to IEC/EN 60079-0, can also be ensured following storage in typical gas atmospheres. Phoenix Contact developed these labels especially for process engineering, which is where these requirements typically arise
- These labels meet the requirements for wipe resistance in accordance with DIN EN 61010-1 against aggressive media such as acetone, ethanol, and MEK
- Thanks to the special surface and adhesive, the marker meets the demanding requirements of process engineering

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 0803227       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Product key                          | BG2617        |
| GTIN                                 | 4046356938402 |
| Weight per piece (including packing) | 10.055 g      |
| Weight per piece (excluding packing) | 9.99 g        |
| Country of origin                    | PL            |

## Technical data

### Product properties

|                  |                               |
|------------------|-------------------------------|
| Product type     | Device marker                 |
| Product property | highly resistant to chemicals |

### Marking

|                                     |                   |
|-------------------------------------|-------------------|
| Number of individual labels         | 4                 |
| Number of individual labels per row | 1                 |
| Identification technology           | UV LED technology |

### Dimensions

|        |          |
|--------|----------|
| Width  | 48.95 mm |
| Height | 14.95 mm |
| Depth  | 1.15 mm  |

### Text field

|                   |       |
|-------------------|-------|
| Text field width  | 49 mm |
| Text field height | 15 mm |

### Material specifications

|   |                                |
|---|--------------------------------|
| Adhesive strength   | 50 µm                          |
| Adhesive  | Acrylic                        |
| Color   | white (RAL 9010)               |
| Material  | PA                             |
| Flammability rating according to UL 94                                  | V2                             |
| Base element material   | PA                             |
| 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 |

### Environmental and real-life conditions

#### Ambient conditions

|   |   |
|---|---|
| Ambient temperature (operation)                     | -40 °C ... 90 °C  |
| Recommended ambient temperature (storage/transport) | 20 °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             |

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## 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.               |

## 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  |

## 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 | adhesive |
|---------------|----------|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27281103 |
| ECLASS-15.0 | 27281103 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001288 |
|-----------|----------|

### 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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