# US-EMP (60X30) - Snap-in markers

0828782

https://www.phoenixcontact.com/us/products/0828782

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Snap-in markers, Card, white (RAL 9010), unmarked, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, THERMOMARK PRIME 2.0, mounting type: latching, Number of individual labels: 4, text field height: 30 mm, text field width: 60 mm

## Your advantages

- The markers, which are supplied in uniform sheets, can be labeled quickly, easily, and cost-effectively using the THERMOMARK CARD
- The perforated markers and labels are easy to separate and can be easily fitted
- The sheets provide space for including function texts
- The US-EMP ... UniSheet labeling range includes markers that can be fitted into existing CARRIER EMP ... label frames

## Commercial data

| | |
|---|---|
| Item number | 0828782 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | BG09 |
| Product key | BG2419 |
| GTIN | 4046356558655 |
| Weight per piece (including packing) | 15.304 g |
| Weight per piece (excluding packing) | 14.84 g |
| Customs tariff number | 39269097 |
| Country of origin | DE |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Device marker |

### Marking

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

## Dimensions

| | |
|---|---|
| Width | 59.70 mm |
| Height | 29.80 mm |
| Depth | 0.50 mm |

### Text field

| | |
|---|---|
| Text field width | 60 mm |
| Text field height | 30 mm |

## Material specifications

| | |
|---|---|
| RoHS compliant | yes |
| Foil strength | 500 µm |
| Color | white (RAL 9010) |
| Flammability rating according to UL 94 | V0 |
| Base element material | PVC |
| Components | Silicone-free |

## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -30 °C ... 80 °C |
| Recommended ambient temperature (storage/transport) | 10 °C |
| Recommended humidity (storage/transport) | 35 % ... 65 % |

### 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 |

### UV resistance

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

### Wipe resistance of inscriptions

| | |
|---|---|
| Specification | IEC 61010-1:2010-06 |
| | 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 | DIN EN ISO 22479:2022-08 |
| 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 |

## Mounting

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

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27281106 |
| ECLASS-15.0 | 27281106 |

### ETIM

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

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39131700 |

## 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 | 0.055 kg CO2e |

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