# EML (70X50)R - Label

0817099

https://www.phoenixcontact.com/us/products/0817099

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Label, Roll, white (RAL 9010), unmarked, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 400, text field height: 50 mm, text field width: 70 mm

## Your advantages

- The EML … self-adhesive device markers are particularly suitable for identification of various types of equipment in controller, system, and control cabinet building
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences
- The EML ... materials are UL-listed
- A wide range of marker sizes and colors are available for custom designs
- Labeling service: Phoenix Contact can custom-label all EM ... markers in accordance with your requirements

## Commercial data

| | |
|---|---|
| Item number | 0817099 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BG16 |
| Product key | BG2411 |
| GTIN | 4046356107594 |
| Weight per piece (including packing) | 352.092 g |
| Weight per piece (excluding packing) | 352.092 g |
| Customs tariff number | 39269097 |
| Country of origin | PL |

# Technical data

## Product properties

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

Marking

| | |
|---|---|
| Number of individual labels | 400 |
| Number of individual labels per row | 1 |
| Identification technology | Thermal transfer |

## Dimensions

| | |
|---|---|
| Width | 70.00 mm |
| Height | 50.00 mm |
| Depth | 0.08 mm |

Text field

| | |
|---|---|
| Text field width | 70 mm |
| Text field height | 50 mm |

## Material specifications

| | |
|---|---|
| Foil strength | 50 µm |
| Adhesive strength | 20 µm |
| Adhesive | Acrylic |
| Color | white (RAL 9010) |
| Material | Polyester |
| Base element material | Polyester |
| Components | free from silicone and halogen |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -40 °C ... 150 °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 24364:2018-05 |
| Result | Test passed |

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. |

Temperature resistance

| | |
|---|---|
| Specification | ANSI/UL 969-2018:03 (following) |
| Test duration | 240 h |
| Rating 150 °C (180 °C) | Test passed |

Wipe resistance of inscriptions

| | |
|---|---|
| Specification | DIN EN 61010-1 (VDE 0411-01):2020-03 |
| | DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropanol (99%) [67-63-0] | Test passed (not applicable for 0829542 THERMOMARK-RIBBON 110 GN) |
| 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 |

Immersion in chemicals, oil & fuel

| | |
|---|---|
| Specification | ISO 175:2010 (following) |
| Test duration | 168 h |
| Saltwater (saturated 350 g/l)<br>[CAS No. - ] | Test passed |
| Ethanol (99 %)<br>[CAS No. 64-17-5] | 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 |
| 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) |

## Mounting

| | |
|---|---|
| Mounting type | adhesive |

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/0817099

**cULus Recognized**
Approval ID: MH48542

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## 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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