# EML-ESD (25,4X12,7)R - Equipment marking

0830570

https://www.phoenixcontact.com/us/products/0830570

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Equipment marking, 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: 2500, text field height: 12.7 mm, text field width: 25.4 mm

## Your advantages

- The EML-ESD label is well suited for marking sensitive components on printed-circuit boards
- The label includes an adhesive that dissipates static electricity, which prevents the transmission of electrostatic voltages and protects the component
- When combined with the right ink ribbon, the marking is highly resistant to solvents
- The EML-ESD ... materials are UL-listed
- Labeling service: Phoenix Contact can custom-label all EML-ESD ... markers in accordance with your requirements

## Commercial data

| | |
|---|---|
| Item number | 0830570 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BG16 |
| Product key | BG2411 |
| GTIN | 4046356720090 |
| Weight per piece (including packing) | 294.4 g |
| Weight per piece (excluding packing) | 290 g |
| Customs tariff number | 39269097 |
| Country of origin | DE |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Device marker |
| Product property | ESD safe |

### Marking

| | |
|---|---|
| Number of individual labels | 2500 |
| Number of individual labels per row | 3 |
| Identification technology | Thermotransfer |

## Dimensions

| | |
|---|---|
| Width | 25.40 mm |
| Height | 12.70 mm |
| Depth | 0.08 mm |

### Text field

| | |
|---|---|
| Text field width | 25.4 mm |
| Text field height | 12.7 mm |

## Material specifications

| | |
|---|---|
| Foil strength | 52 µm |
| Adhesive strength | 24 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-A1-L: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 |
| 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 |
| Diesel<br>[CAS No. 68476-34-6] | 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 | 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 |
| 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/0830570

**UL 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% |


Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com



Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com