

EML-ESD (8X8)R - Equipment marking



0830564

<https://www.phoenixcontact.com/us/products/0830564>

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Equipment marking, Roll, white, unlabeled, 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, lettering field size: 8 x 8 mm, Number of individual labels: 4000

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 | 0830564 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BG16 |
| Product key | BG2411 |
| Catalog page | Page 336 (C-3-2019) |
| GTIN | 4046356719131 |
| Weight per piece (including packing) | 143 g |
| Weight per piece (excluding packing) | 143 g |
| Customs tariff number | 39269097 |
| Country of origin | DE |

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Technical data

Product properties

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

Data management status

| | |
|------------------|----|
| Article revision | 03 |
|------------------|----|

Marking

| | |
|-------------------------------------|----------------------------|
| Number of individual labels | 4000 |
| Number of individual labels per row | 4 |
| Identification technology | Thermal transfer for rolls |

Mounting

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

Material specifications

| | |
|-------------------|--------------------------------|
| Foil strength | 52 µm |
| Adhesive strength | 24 µm |
| Adhesive | Acrylic |
| Color | white (RAL 9010) |
| Material | Polyester |
| Components | free from silicone and halogen |

Environmental and real-life conditions

Test for substances that would hinder coating with paint or varnish

| | |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

Test for substances that would hinder coating with paint or varnish

| | |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

Scratch test for the determining scratch resistance

| | |
|---------------|---------------------------------------|
| Specification | DIN EN ISO 1518-1:2019-10 (following) |
| Requirements | ≥ 5 N |
| Result | Test passed |

Tesafilm test

| | |
|---------------|----------------------------------|
| Specification | DIN EN ISO 2409:2013 (following) |
| Result | Test passed |

UV resistance

| | |
|---------------|--------------------------------|
| Specification | ISO 4892-2:2013-03 (following) |
| Result | Test passed |
| Test duration | 96 h |

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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) |
| Isopropyl [CAS No. 67-63-0] | Test passed |
| n-Hexane [CAS No. 110-54-3] | Test passed |
| Water + Petroleum ether [CAS No. 64742-82-1] | Test passed |
| Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2] | Test passed |
| Ethanol (99 %) [CAS No. 64-17-5] | Test passed |
| Specification | ISO 175:2010 (following) |
| Test duration | 168 h |
| Ethanol (99 %) [CAS No. 64-17-5] | Test passed |
| Diesel [CAS No. 68476-34-6] | Test passed |
| IRM 901 | Test passed |
| IRM 902 | Test passed |

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 |
| Test duration | 96 h |

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -40 °C ... 150 °C |
| Ambient temperature (assembly) | > 4 °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) |
| Shelf life | 2 years |

Dimensions

| | |
|-------|------|
| Width | 8 mm |
|-------|------|

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| | |
|-------------------|---------|
| Text field width | 8.00 mm |
| Text field height | 8.00 mm |
| Length | 8 mm |

Standards and regulations

| | |
|-----------------|-----------------------------|
| Wipe resistance | DIN EN 61010-1 (VDE 0411-1) |
|-----------------|-----------------------------|

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0830564>



UL Recognized

Approval ID: MH48542

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27281103 |
| ECLASS-12.0 | 27281103 |
| ECLASS-13.0 | 27281103 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | 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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