

EML-HT (25X8)R - High-temperature label



0830647

<https://www.phoenixcontact.com/us/products/0830647>

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High-temperature label, for thermal transfer printers, resistant for 60 s at up to 300°C



Your advantages

- The EML-HT label is made of an acrylate film that is highly temperature-resistant. It can be used for marking printed circuit boards and in all industrial soldering processes
- Continuous temperature range of -40 °C ... 180 °C, 300 °C for up to 60 seconds
- When combined with the ink ribbon THERMOMARK-RIBBON 110 EML-HT, the marking is highly resistant to high temperatures and chemicals
- The EML-HT ... materials are UL-listed
- Labeling service: Phoenix Contact can custom-label all EML-HT ... markers in accordance with your requirements

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 0830647 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | BG16 |
| Product key | BG2411 |
| GTIN | 4046356718417 |
| Weight per piece (including packing) | 426 g |
| Weight per piece (excluding packing) | 400 g |
| Customs tariff number | 39269092 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|------------------|---------------------------------|
| Product type | Device marker |
| Product property | Highly resistant to temperature |

Marking

| | |
|-------------------------------------|----------------|
| Number of individual labels | 4000 |
| Number of individual labels per row | 2 |
| Identification technology | Thermotransfer |

Dimensions

| | |
|--------|-------|
| Width | 25 mm |
| Length | 8 mm |

Text field

| | |
|-------------------|-------|
| Text field width | 25 mm |
| Text field height | 8 mm |

Material specifications

| | |
|-------------------|--------------------------------|
| RoHS compliant | yes |
| Foil strength | 50 µm |
| Adhesive strength | 20 µm |
| Adhesive | Acrylic |
| Color | white (RAL 9010) |
| Material | Acrylate |
| Components | free from silicone and halogen |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 180 °C |
|---------------------------------|-------------------|

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

Wipe resistance of inscriptions

| | |
|-----------------------------|--|
| Specification | DIN EN 61010-1 (VDE 0411-1):2011-07 |
| | DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropanol (99%) [67-63-0] | Test passed |

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| | |
|---|-------------|
| n-Hexane [CAS No. 110-54-3] | Test passed |
| Water + Petroleum ether [CAS No. 64742-82-1] | Test passed |

Testing in a condensation changing climate in the presence of sulfur dioxide

| | |
|---------------|-------------------------------|
| Specification | DIN 50018:2013-05 (following) |
| 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 |

Standards and regulations

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

Mounting

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

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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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