

# EML-HT (25,4X12,7)R - High-temperature label



0830648

<https://www.phoenixcontact.com/us/products/0830648>

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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	0830648
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BG16
Product key	BG2411
GTIN	4046356718424
Weight per piece (including packing)	324.7 g
Weight per piece (excluding packing)	324.7 g
Customs tariff number	39269092
Country of origin	DE

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## Technical data

### Product properties

Product type	Gerätemarker
Product property	Highly resistant to temperature

### Marking

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

### Dimensions

Width	25.4 mm
Length	12.7 mm

### Material specifications

RoHS compliant	yes
Foil strength	50 µm
Adhesive strength	20 µm
Adhesive	Acrylic
Color	white
Material	Acrylate
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
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#### 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)
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

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

Specification	DIN 50018:2013-05 (following)
Result	Test passed

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Climate level	AHT 1.0 S
Cycles	2

## Salt spray test

Specification	DIN EN 60068-2-11:2000-02
Result	Test passed

## Ambient conditions

Ambient temperature (operation)	-40 °C ... 180 °C
Ambient temperature (assembly)	> 4 °C
Short-term temperature	300 °C (1 minute, maximum)
Recommended storage conditions	23 °C / 50 % relative humidity. Storage in poly bags is recommended prior to processing.
Shelf life	2 years

## Standards and regulations

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