

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

0830657

<https://www.phoenixcontact.com/us/products/0830657>

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.



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

The figure shows a version of the article

## 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	0830657
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BG16
Product key	BG2411
GTIN	4046356719315
Weight per piece (including packing)	850.4 g
Weight per piece (excluding packing)	713.3 g
Customs tariff number	39269097
Country of origin	DE

## Technical data

### Product properties

Product type	Device marker
Product property	Highly resistant to temperature

### Marking

Number of individual labels	10000
Number of individual labels per row	1
Identification technology	Thermotransfer

### Dimensions

Width	25.4 mm
Length	12.7 mm

### Text field

Text field width	25.4 mm
Text field height	12.7 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
Recommended ambient temperature (storage/transport)	23 °C
Recommended humidity (storage/transport)	50 %

#### 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

#### Scratch resistance

Specification	DIN EN ISO 1518-1:2019-10 (following)
---------------	---------------------------------------

#### Tesafilm test

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

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



0830657

<https://www.phoenixcontact.com/us/products/0830657>

## UV resistance

Specification	ISO 4892-2:2013-03 (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 125 °C (150 °C)	Test passed

## 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
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

## Immersion in chemicals, oil & fuel

Specification	ISO 175:2010 (following)
Test duration	168 h
Saltwater (saturated 350 g/l) [CAS No. - ]	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 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
Test duration	96 h

## Standards and regulations

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

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



0830657

<https://www.phoenixcontact.com/us/products/0830657>

## Mounting

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

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



0830657

<https://www.phoenixcontact.com/us/products/0830657>

## Classifications

### ECLASS

ECLASS-13.0

27281103

### ETIM

ETIM 9.0

EC001288

### UNSPSC

UNSPSC 21.0

39131500

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



0830657

<https://www.phoenixcontact.com/us/products/0830657>

## 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](mailto:info@phoenixcon.com)