

EML-HA (100X90)R - Label for rough surfaces



0830732

<https://www.phoenixcontact.com/us/products/0830732>

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.



Label for rough surfaces, Roll, white, 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: 250, text field height: 90 mm, text field width: 100 mm

Your advantages

- The EML-HA ... self-adhesive device markers are suitable for identification of various types of equipment in controller, system, and control cabinet building
- The EML-HA features a special adhesive with a very high bonding strength. This means it can be stuck onto rough, textured, and low-energy surfaces
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences
- The EML-HA ... materials are UL-listed
- Marking service: Phoenix Contact can custom-mark all EML-HA ... markers according to your requirements

Commercial data

Item number	0830732
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BG16
Product key	BG2411
GTIN	4046356738750
Weight per piece (including packing)	568 g
Weight per piece (excluding packing)	545.8 g
Customs tariff number	39269097
Country of origin	PL

EML-HA (100X90)R - Label for rough surfaces



0830732

<https://www.phoenixcontact.com/us/products/0830732>

Technical data

Product properties

Product type	Device marking
Product property	highly adhesive

Marking

Number of individual labels	250
Number of individual labels per row	1
Identification technology	Thermal transfer for rolls

Mounting

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

Material specifications

RoHS compliant	yes
Foil strength	50 µm
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
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
Procedure	Artificial irradiation.

Weathering-resistance

Specification	ISO 4892-2:2013-03
Result	Test passed
Test duration	4500 h

EML-HA (100X90)R - Label for rough surfaces



0830732

<https://www.phoenixcontact.com/us/products/0830732>

Procedure	A
-----------	---

Outdoor exposure

Specification	DIN EN ISO 877-2 (2011-03-00)
Result	Test passed
Test duration	9048 h

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 0411-01):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
Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2]	Test passed
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
---------------------------------	-------------------

EML-HA (100X90)R - Label for rough surfaces



0830732

<https://www.phoenixcontact.com/us/products/0830732>

Ambient temperature (assembly)	> 15 °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	100.00 mm
Height	90.00 mm
Depth	0.11 mm

Standards and regulations

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

EML-HA (100X90)R - Label for rough surfaces



0830732

<https://www.phoenixcontact.com/us/products/0830732>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0830732>



CSA

Approval ID: 70191766



cULus Recognized

Approval ID: MH48542

EML-HA (100X90)R - Label for rough surfaces



0830732

<https://www.phoenixcontact.com/us/products/0830732>

Classifications

ECLASS

ECLASS-13.0	27281103
ECLASS-15.0	27281103

ETIM

ETIM 9.0	EC001288
----------	----------

UNSPSC

UNSPSC 21.0	39131500
-------------	----------

EML-HA (100X90)R - Label for rough surfaces



0830732

<https://www.phoenixcontact.com/us/products/0830732>

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 2025 © - 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