

# EML-ESD (45X5)R - Equipment marking

0830574

<https://www.phoenixcontact.com/us/products/0830574>



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Equipment marking, 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: 2500

## 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	0830574
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BG16
Product key	BG2411
GTIN	4046356720137
Weight per piece (including packing)	318 g
Weight per piece (excluding packing)	318 g
Customs tariff number	39269092
Country of origin	DE

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## Technical data

### Product properties

Product type	Gerätemarker
Product property	ESD safe

### Marking

Number of individual labels	2500
Number of individual labels per row	2
Identification technology	Thermotransfer

### Dimensions

Width	45 mm
Length	5 mm

### Material specifications

RoHS compliant	yes
Foil strength	52 µm
Adhesive strength	24 µm
Adhesive	Acrylic
Color	white
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
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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
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 ... 150 °C
Ambient temperature (storage/transport)	22 °C
Ambient temperature (assembly)	> 4 °C
Permissible humidity (storage/transport)	50 %
Recommended storage conditions	23 °C / 50 % relative humidity
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
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### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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