EMLP-AL (27X18) - Equipment marking

0830509

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Equipment marking, Aluminum label, unmarked, can be labeled with: BLUEMARK E.CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, mounting type: adhesive, Number of individual labels: 1, text field height: 18 mm, text field width: 27 mm

Product description

Note:
Due to the current challenges of the global procurement market, Phoenix Contact has unfortunately been forced to accept an aluminum alloy material quality that may cause the appearance to deviate from the homogenous surface quality that was previously expected. This has no impact on the quality of the aluminum labels themselves or the durability of the printing. The effect is purely visual.

Your advantages

- The markers can be marked quickly, easily, and inexpensively with the BLUEMARK CLED
- Aluminum equipment marking for sticking on
- Identification made from metal, high strength in a lightweight design
- Increased durability due to the decoratively anodized surface

Commercial data

Item number	0830509
Packing unit	90 pc
Minimum order quantity	90 pc
Sales key	BG18
Product key	BG241B
GTIN	4046356718318
Weight per piece (including packing)	1.288 g
Weight per piece (excluding packing)	1.288 g
Customs tariff number	76169990
Country of origin	DE

Technical data

Product properties

Product type	Device marker

Marking

Number of individual labels	1
Number of individual labels per row	1
Identification technology	UV LED technology

Dimensions

Width	27.00 mm
Height	17.60 mm
Depth	1.05 mm

Text field

Text field width	27 mm
Text field height	18 mm

Material specifications

Adhesive strength	250 µm
Adhesive	Acrylic
Color	aluminum color
Base element material	Aluminum
Components	Free from silicone and cadmium

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 120 °C (> +80 °C slight changes of the material surface possible)
Recommended ambient temperature (storage/transport)	5 °C
Recommended humidity (storage/transport)	50 % (Storage in a dry and dark place in the original packaging is recommended)

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

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	EN ISO 1518-1:2023 (following)
Requirements	≥ 5 N

Result	Test passed

Tesafilm test

Specification	DIN EN ISO 2409:2020-12 (following)
Result	Test passed

UV resistance

Specification	DIN EN ISO 4892-2:2021-11 (following)
Result	Test passed
Test duration	96 h
Procedure	Artificial irradiation.

Weathering-resistance

Specification	DIN EN ISO 4892-2:2021-11
Result	Test passed
Test duration	1500 h
Procedure	A

Temperature resistance

Specification	ANSI/UL 969-2018:03 (following)
Test duration	240 h
Rating 150 °C (180 °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)
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
Acetone (99 %) [CAS No. 67-64-1]	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
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

IRM 903	Test passed

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

Specification	EN ISO 22479:2022-06
Result	Test passed
Procedure	Method B
Cycles	2

Salt spray test

Specification	DIN EN IEC 60068-2-11 (VDE 0468-2-11):2022-10
Result	Test passed
Test duration	96 h

High pressure test

Specification	ISO 20653:2013-02
Result	Test passed
IP-Code	IP X9K

Mounting

Mounting type	adhesive

Classifications

ECLASS

ECLASS-13.0	27281103
ECLASS-15.0	27281103

ETIM

ETIM 10.0	EC001288

UNSPSC

UNSPSC 21.0	39131500

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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