LS-EMLP-AL (49X15) BK - Device marker

0831591

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Device marker, Aluminum label, black (RAL 9005), unmarked, can be labeled with: TOPMARK NEO, TOPMARK LASER, mounting type: adhesive, Number of individual labels: 24, text field height: 15 mm, text field width: 49 mm

Your advantages

- 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	0831591
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BG19
Product key	BG241D
GTIN	4046356925426
Weight per piece (including packing)	81.32 g
Weight per piece (excluding packing)	81.3 g
Customs tariff number	76169990
Country of origin	CN

Technical data

Product properties

Product type	Device marker

Marking

Number of individual labels	24
Identification technology	Direct laser marking

Dimensions

Width	48.70 mm
Height	14.80 mm
Depth	1.05 mm

Text field

Text field width	49 mm
Text field height	15 mm

Material specifications

Foil strength	800 µm
Adhesive strength	250 µm
Adhesive	Acrylic
Color	black (RAL 9005)
Material	Aluminum
Base element material	Aluminum
Components	free from silicone, halogen, and cadmium

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 125 °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)

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	1000 h
Procedure	A

Temperature resistance

Note	The information does not apply to the color fastness of the material.
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)
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

Acetone (99 %) [CAS No. 67-64-1]	Test passed
Methylethylketone (MEK) [CAS No. 78-93-3]	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

Standards and regulations

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

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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