LS-EMSP-AL (50X30) OG - Device marker

0831641

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Device marker, Aluminum label, orange (RAL 2003), unmarked, can be labeled with: TOPMARK NEO, TOPMARK LASER, mounting type: screw, rivet, Number of individual labels: 10, text field height: 30 mm, text field width: 50 mm

Your advantages

- Aluminum equipment marking for screwing or riveting
- Identification made from metal, high strength in a lightweight design
- Increased durability due to the decoratively anodized surface

Commercial data

Item number	0831641
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BG19
Product key	BG241D
GTIN	4046356925853
Weight per piece (including packing)	80.71 g
Weight per piece (excluding packing)	80.71 g
Customs tariff number	76169990
Country of origin	CN

Technical data

Product properties

Product type	Device marker

Marking

Number of individual labels	10
Identification technology	Direct laser marking

Dimensions

Width	59.70 mm
Height	29.80 mm
Depth	0.80 mm
Length	29.8 mm

Text field

Text field width	50 mm
Text field height	30 mm

Material specifications

Color	orange (RAL 2003)
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 24364:2018-05
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	2000 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	screw, rivet

Classifications

ECLASS

ECLASS-13.0	27281103

ETIM

ETIM 9.0	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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