

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



0831649

<https://www.phoenixcontact.com/us/products/0831649>

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.

Device marker, Aluminum label, green, 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	0831649
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BG19
Product key	BG241D
GTIN	4046356925891
Weight per piece (including packing)	79.9 g
Weight per piece (excluding packing)	79.9 g
Customs tariff number	76169990
Country of origin	CN

Technical data

Product properties

Product type	Gerätemarker
--------------	--------------

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

Material specifications

Color	green (RAL 6021)
Base element material	Aluminum
Components	free from silicone, halogen, and cadmium

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	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
Test duration	2000 h
Procedure	A

Temperature resistance

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



0831649

<https://www.phoenixcontact.com/us/products/0831649>

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)
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
Acetone (99 %) [CAS No. 67-64-1]	Test passed
Specification	ISO 175:2010 (following)
Test duration	168 h
Ethanol (99 %) [CAS No. 64-17-5]	Test passed
Acetone (99 %) [CAS No. 67-64-1]	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	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

Ambient conditions

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

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



0831649

<https://www.phoenixcontact.com/us/products/0831649>

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	1 Year

Standards and regulations

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

Mounting

Mounting type	screw, rivet
---------------	--------------

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



0831649

<https://www.phoenixcontact.com/us/products/0831649>

Classifications

ECLASS

ECLASS-13.0	27281103
-------------	----------

ETIM

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

UNSPSC

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

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



0831649
<https://www.phoenixcontact.com/us/products/0831649>

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