

LS-EMSP-V4A (90X60) - Device marker



0831657

<https://www.phoenixcontact.com/us/products/0831657>

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, Stainless steel label, silver, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, mounting type: screw, rivet, lettering field size: 90 x 60 mm, Number of individual labels: 2



Your advantages

- Stainless steel device marking for screwing or riveting
- Easy-to-clean and permanent identification that also meets stringent hygiene requirements
- High resistance to corrosion, acids, and temperatures

Commercial data

Item number	0831657
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BG19
Product key	BG241D
Catalog page	Page 282 (C-3-2019)
GTIN	4046356925969
Weight per piece (including packing)	96.776 g
Weight per piece (excluding packing)	92.6 g
Customs tariff number	73269098
Country of origin	CN

Technical data

Product properties

Product type	Device marking
Type	Laser sheet

Marking

Number of individual labels	2
Identification technology	Direct laser marking

Mounting

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

Material specifications

RoHS compliant	yes
Color	silver
Material	V4A (1.4404; AISI 316L)
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
--------	-------------

Scratch test for the determining scratch resistance

Specification	DIN EN ISO 1518-1:2019-10 (following)
---------------	---------------------------------------

Tesafilm test

Specification	DIN EN ISO 2409:2013 (following)
Result	Test passed

UV resistance

Specification	ISO 4892-2:2013-03 (following)
Result	Test passed
Test duration	96 h
Specification	IEC 60068-2-2:2007-07
Result	Test passed
Duration	240 h
Temperature for testing	350 °C

Temperature resistance

Specification	ANSI/UL 969-2018:03 (following)
Test duration	240 h
Rating 225 °C (250 °C)	Test passed

Wipe resistance of inscriptions

Specification	DIN EN 61010-1 (VDE 0411-1):2011-07
---------------	-------------------------------------

LS-EMSP-V4A (90X60) - Device marker



0831657

<https://www.phoenixcontact.com/us/products/0831657>

	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
IRM 901	Test passed
IRM 902	Test passed

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

Specification	DIN 50018:2013-05 (following)
Result	Test passed
Climate level	AHT 1.0 S
Cycles	2

Salt spray test

Specification	DIN EN 60068-2-11:2000-02
Result	Test passed
Test duration	96 h

Salt spray test

Specification	ISO 9227:2017-03
Result	Test passed
Test duration	336 h

Ambient conditions

Ambient temperature (operation)	-80 °C ... 350 °C
Recommended storage conditions	23 °C/50 % relative humidity. Storage in a dry and dark place in the original packaging is recommended.
Recommended ambient temperature (storage/transport)	23 °C
Recommended humidity (storage/transport)	50 %
Shelf life	24 months

Dimensions

LS-EMSP-V4A (90X60) - Device marker



0831657

<https://www.phoenixcontact.com/us/products/0831657>

Dimensional drawing	
Width	100 mm
Length	60 mm
Hole diameter	3.20 mm
Material strength	0.50 mm

Standards and regulations

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

LS-EMSP-V4A (90X60) - Device marker



0831657

<https://www.phoenixcontact.com/us/products/0831657>

Classifications

ECLASS

ECLASS-11.0	27281103
ECLASS-12.0	27281103
ECLASS-13.0	27281103

ETIM

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

UNSPSC

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

Phoenix Contact 2024 © - 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