

# LS-EMSP-V4A (39X15) CUS - Device marker



0831939

<https://www.phoenixcontact.com/us/products/0831939>

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Device marker, Stainless steel label, can be ordered: Piece, labeled according to customer specifications, mounting type: screw, rivet, Number of individual labels: 24, text field height: 15 mm, text field width: 39 mm



## 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	0831939
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	BG814D
GTIN	4046356930666
Weight per piece (including packing)	96.45 g
Weight per piece (excluding packing)	96 g
Country of origin	PL

## Technical data

### Product properties

Product type	Device marker
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### Marking

Number of individual labels	24
Identification technology	Direct laser marking

### Dimensions

Width	48.70 mm
Height	14.80 mm
Depth	0.50 mm
Length	14.8 mm

### Text field

Text field width	39 mm
Text field height	15 mm

### Material specifications

Color	silver-colored
Material	V4A
Base element material	V4A (1.4404; AISI 316L)
Components	free from silicone, halogen, and cadmium

### Environmental and real-life conditions

#### Ambient conditions

Ambient temperature (operation)	-80 °C ... 350 °C
Recommended ambient temperature (storage/transport)	23 °C
Recommended humidity (storage/transport)	50 %

#### 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)
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#### 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

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Test duration	96 h
Procedure	Artificial irradiation.

## Temperature storage

Specification	IEC 60068-2-2:2007-07
Result	Test passed
Procedure	Test Bb
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 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	DIN EN ISO 22479:2022-08
Result	Test passed
Procedure	Method B

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Cycles	2
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## Salt spray test

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

## Salt spray test

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

## Standards and regulations

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

Mounting type	screw, rivet
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## Classifications

### ECLASS

ECLASS-13.0	27281103
ECLASS-15.0	27281103

### ETIM

ETIM 10.0	EC001288
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### UNSPSC

UNSPSC 21.0	39131500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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