

# LS-EMLP (13X9) SR CUS - Device marker



0831992

<https://www.phoenixcontact.com/us/products/0831992>

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Device marker, Sheet, silver, labeled according to customer specifications, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 221



## Your advantages

- Stick-on device marking

## Commercial data

Item number	0831992
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	BG814D
Catalog page	Page 259 (NTK-2014)
GTIN	4046356931205
Weight per piece (including packing)	40 g
Weight per piece (excluding packing)	40 g
Country of origin	PL

## Technical data

### Product properties

Product type	Labeled device marker
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### Marking

Number of individual labels	221
Identification technology	Direct laser marking

### Environmental and real-life conditions

#### Test for substances that would hinder coating with paint or varnish

Result	Test passed
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#### Test for substances that would hinder coating with paint or varnish

Result	Test passed
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#### Scratch test for the determining scratch resistance

Specification	DIN EN ISO 1518-1:2019-10 (following)
Requirements	≥ 5 N
Result	Test passed

#### Tesa film test

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

#### UV resistance

Specification	DIN EN ISO 4892-2:2021-11 (following)
Result	Test passed
Test duration	96 h

#### Temperature resistance

Specification	ANSI/UL 969-2018:03 (following)
Test duration	240 h

#### Wipe resistance of inscriptions

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

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Specification	ISO 175:2010 (following)
Test duration	168 h
Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2]	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	ISO 22479:2019-05
Result	Test passed
Cycles	2

## Salt spray test

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

## Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °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)
Shelf life	1 Year

## Mounting

Mounting type	adhesive
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## Material specifications

Foil strength	800 µm
Adhesive strength	50 µm
Adhesive	Acrylic
Color	silver
Material	ABS
Components	free from silicone and halogen

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### Test for substances that would hinder coating with paint or varnish

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Specification	DIN EN ISO 1518-1:2019-10 (following)
Requirements	≥ 5 N

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Result	Test passed
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## Tesa film test

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

## UV resistance

Specification	DIN EN ISO 4892-2:2021-11 (following)
Result	Test passed
Test duration	96 h

## Temperature resistance

Specification	ANSI/UL 969-2018:03 (following)
Test duration	240 h

## Wipe resistance of inscriptions

Specification	DIN EN 61010-1 (VDE 0411-1):2011-07 DIN EN 62208 (VDE 0660-511):2012-06 (in parts)
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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

## Dimensions

Width	13 mm
Length	9 mm
Material strength	0.80 mm

## Standards and regulations

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

### ECLASS

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

### ETIM

ETIM 9.0	EC001288
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### UNSPSC

UNSPSC 21.0	39131500
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