

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



0831653

<https://www.phoenixcontact.com/us/products/0831653>

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Device marker, Stainless steel label, unmarked, can be labeled with: TOPMARK NEO, TOPMARK LASER, 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 | 0831653 |
| Packing unit | 5 pc |
| Minimum order quantity | 5 pc |
| Sales key | BG19 |
| Product key | BG241D |
| GTIN | 4046356925914 |
| Weight per piece (including packing) | 113.94 g |
| Weight per piece (excluding packing) | 104.28 g |
| Customs tariff number | 73269098 |
| Country of origin | CN |

Technical data

Product properties

| | |
|--------------|---------------|
| Product type | Device marker |
|--------------|---------------|

Marking

| | |
|-----------------------------|----------------------|
| Number of individual labels | 24 |
| Identification technology | Direct laser marking |

Dimensions

| | |
|--------|----------|
| Width | 48.70 mm |
| Height | 14.80 mm |
| Depth | 0.50 mm |

Text field

| | |
|-------------------|-------|
| Text field width | 39 mm |
| Text field height | 15 mm |

Material specifications

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

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

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|---|--------------------------|
| 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 |
|--------|---|

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) |
|-----------------|-----------------------------|

Mounting

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

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27281103 |
| ECLASS-15.0 | 27281103 |

ETIM

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|-----------|----------|
| ETIM 10.0 | EC001288 |
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UNSPSC

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

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

EU REACH SVHC

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

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