

LS-EMLP (45X14) YE - Device marker



0831747

<https://www.phoenixcontact.com/us/products/0831747>

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Device marker, Sheet, yellow (RAL 1018), unmarked, can be labeled with: TOPMARK NEO, TOPMARK LASER, mounting type: adhesive, Number of individual labels: 33, text field height: 14 mm, text field width: 45 mm



Your advantages

- Stick-on device marking
- Prefabricated device markers in the proven laser-sheet format for ideal positioning in the marking device
- High contrast due to the yellow top layer with black marking

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 0831747 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | BG19 |
| Product key | BG241D |
| GTIN | 4046356926867 |
| Weight per piece (including packing) | 38.6 g |
| Weight per piece (excluding packing) | 38.6 g |
| Customs tariff number | 39203000 |
| Country of origin | DE |

Technical data

Product properties

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

Marking

| | |
|-----------------------------|----------------------|
| Number of individual labels | 33 |
| Identification technology | Direct laser marking |

Dimensions

| | |
|--------|-------|
| Width | 45 mm |
| Length | 14 mm |

Text field

| | |
|-------------------|-------|
| Text field width | 45 mm |
| Text field height | 14 mm |

Material specifications

| | |
|-------------------|--------------------------------|
| Foil strength | 800 µm |
| Adhesive strength | 50 µm |
| Adhesive | Acrylic |
| Color | yellow (RAL 1018) |
| Material | ABS |
| Components | free from silicone and halogen |

Environmental and real-life conditions

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) |

Test for substances that would hinder coating with paint or varnish

| | |
|---|----------------------|
| Testing for paint wetting impairment substances (LABS-conformity) | VW PV 3.10.7:2005-02 |
| Result | Test passed |

Test for substances that would hinder coating with paint or varnish

| | |
|---|--------------------|
| Testing for paint wetting impairment substances (LABS-conformity) | VDMA 24364:2018-05 |
| Result | Test passed |

Scratch resistance

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

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Tesafilm 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 |
| Procedure | Artificial irradiation. |

Weathering-resistance

| | |
|---------------|---------------------------|
| Specification | DIN EN ISO 4892-2:2021-11 |
| Result | Test passed |
| Test duration | 6500 h |
| Procedure | A |

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) |
| 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 |

Immersion in chemicals, oil & fuel

| | |
|---|--------------------------|
| Specification | ISO 175:2010 (following) |
| Test duration | 168 h |
| Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2] | Test passed |
| Saltwater (saturated 350 g/l) [CAS No. -] | Test passed |
| Diesel [CAS No. 68476-34-6] | 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 | EN ISO 22479:2022-06 |
|---------------|----------------------|

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| | |
|-----------|-------------|
| Result | Test passed |
| Procedure | Method B |
| Cycles | 2 |

Salt spray test

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

Standards and regulations

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

Mounting

| | |
|---------------|----------|
| Mounting type | adhesive |
|---------------|----------|

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Classifications

ECLASS

ECLASS-13.0

27281103

ETIM

ETIM 9.0

EC001288

UNSPSC

UNSPSC 21.0

39131500

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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% |
|-------------------------------------|----------------------------|

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com