

EMLS (70X32)R SR CUS - Safety label with special adhesive

0830174

<https://www.phoenixcontact.com/us/products/0830174>

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Safety label with special adhesive, Roll, can be ordered: by line, labeled according to customer specifications, mounting type: adhesive, Number of individual labels: 1, text field height: 32 mm, text field width: 70 mm

Your advantages

- The EMLS is a tamper-proof label that can be used as a rating plate or a sealing label
- When detaching, a part of the metallized layer separates. It leaves a triangular pattern on the label and substrate. The safety function is reliable up to 80°C
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences
- Labeling service: Phoenix Contact can custom-label all EMLS ... markers according to your requirements
- The EMLS ... materials are UL-listed

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 0830174 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | BG8141 |
| GTIN | 4046356628051 |
| Weight per piece (including packing) | 0.94 g |
| Weight per piece (excluding packing) | 0.94 g |
| Country of origin | PL |

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Technical data

Product properties

| | |
|------------------|---------------|
| Product type | Device marker |
| Product property | tamper-proof |

Marking

| | |
|-------------------------------------|---|
| Number of individual labels | 1 |
| Number of individual labels per row | 1 |

Dimensions

| | |
|--------|----------|
| Width | 70.00 mm |
| Height | 32.00 mm |
| Depth | 0.06 mm |
| Length | 32 mm |

Text field

| | |
|-------------------|-------|
| Text field width | 70 mm |
| Text field height | 32 mm |

Material specifications

| | |
|-----------------------|--------------------------------|
| Color | silver-colored |
| Base element material | Polyester |
| Components | free from silicone and halogen |

Environmental and real-life conditions

Ambient conditions

| | |
|---|--|
| Ambient temperature (operation) | -40 °C ... 150 °C (Functionality of the "triangle symbol" up to approx. +80°C) |
| Recommended ambient temperature (storage/transport) | 10 °C |
| Recommended humidity (storage/transport) | 35 % ... 65 % (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 | EN ISO 1518-1:2023 (following) |
| Requirements | ≥ 5 N |
| Result | Test passed |

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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 |
| Test duration | 96 h |
| Procedure | Artificial irradiation. |

Temperature resistance

| | |
|------------------------|---------------------------------|
| Specification | ANSI/UL 969-2018:03 (following) |
| Test duration | 240 h |
| Rating 125 °C (150 °C) | Test passed |

Wipe resistance of inscriptions

| | |
|---|--|
| Specification | DIN EN 61010-1 (VDE 0411-01):2020-03 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

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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 |
| 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 |
| Cycles | 2 |

Salt spray test

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

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| | |
|---------------|------|
| Test duration | 96 h |
|---------------|------|

Mounting

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

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0830174>



cULus Recognized

Approval ID: MH48542

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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

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

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