

# EMLF (108XE)R TR CUS - Label, highly flexible



0830186

<https://www.phoenixcontact.com/us/products/0830186>

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Label, highly flexible, Roll, can be ordered: by line, labeled according to customer specifications, mounting type: adhesive, Number of individual labels: 1, roll length: 48 m, text field height: 108 mm, text field width: 40000 mm

## Your advantages

- EMLF labels consists of soft, highly flexible PVC film that molds itself to uneven surfaces
- Outdoor-durable for up to 8 years when subject to a temperature range of -40 °C ... 90 °C
- Extremely high-quality appearance
- 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 EMLF ... markers according to your requirements

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 0830186                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | BG8141                         |
| GTIN                                 | 4046356628280                  |
| Weight per piece (including packing) | 1.99 g                         |
| Weight per piece (excluding packing) | 1.99 g                         |
| Country of origin                    | PL                             |

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## Technical data

### Product properties

|                  |                 |
|------------------|-----------------|
| Product type     | Device marker   |
| Product property | Highly flexible |

### Marking

|                                     |                |
|-------------------------------------|----------------|
| Number of individual labels         | 1              |
| Number of individual labels per row | 1              |
| Identification technology           | Thermotransfer |

### Dimensions

|                |         |
|----------------|---------|
| Length of roll | 48.00 m |
| Height         | 108 mm  |
| Depth          | 0.07 mm |

### Text field

|                   |          |
|-------------------|----------|
| Text field width  | 40000 mm |
| Text field height | 108 mm   |

### Material specifications

|                       |               |
|-----------------------|---------------|
| Foil strength         | 60 µm         |
| Adhesive strength     | 25 µm         |
| Adhesive              | Acrylic       |
| Color                 | transparent   |
| Material              | PVC           |
| Base element material | PVC           |
| Components            | Silicone-free |

### Environmental and real-life conditions

#### Ambient conditions

|   |  |
|---|--|
| Ambient temperature (operation)                     | -40 °C ... 100 °C  |
| Recommended ambient temperature (storage/transport) | 22 °C  |
| Recommended humidity (storage/transport)            | 50 % ... 55 % (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          |

#### 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.               |

## Wipe resistance of inscriptions

|   |  |
|---|--|
| Specification                                   | DIN EN 61010-1 (VDE 0411-01):2020-03<br>DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropanol (99%) [67-63-0]                     | Test passed  |
| n-Hexane<br>[CAS No. 110-54-3]                  | Test passed  |
| Water + Petroleum ether<br>[CAS No. 64742-82-1] | 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                                   |
| Test duration | 96 h  |

## Mounting

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

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## Classifications

### ECLASS

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

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | 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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