

# LS-EMLP (20X7) YE - Device marker



0831738

<https://www.phoenixcontact.com/us/products/0831738>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Device marker, Sheet, yellow (RAL 1018), unmarked, can be labeled with: TOPMARK NEO, TOPMARK LASER, mounting type: adhesive, Number of individual labels: 176, text field height: 7 mm, text field width: 20 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                          | 0831738       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | BG19          |
| Product key                          | BG241D        |
| GTIN                                 | 4046356926775 |
| Weight per piece (including packing) | 37.39 g       |
| Weight per piece (excluding packing) | 37.38 g       |
| Customs tariff number                | 39203000      |
| Country of origin                    | DE            |

## Technical data

### Product properties

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

### Marking

|                             |                      |
|-----------------------------|----------------------|
| Number of individual labels | 176                  |
| Identification technology   | Direct laser marking |

### Dimensions

|        |          |
|--------|----------|
| Width  | 20.00 mm |
| Height | 7.00 mm  |
| Depth  | 0.85 mm  |

### Text field

|                   |       |
|-------------------|-------|
| Text field width  | 20 mm |
| Text field height | 7 mm  |

### Material specifications

|                       |                                |
|-----------------------|--------------------------------|
| Foil strength         | 800 µm                         |
| Adhesive strength     | 50 µm                          |
| Adhesive              | Acrylic                        |
| Color                 | yellow (RAL 1018)              |
| Material              | ABS                            |
| Base element 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 %             |

#### 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                          |

# LS-EMLP (20X7) YE - Device marker



0831738

<https://www.phoenixcontact.com/us/products/0831738>

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

## Tesafilem 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.               |

## 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<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   |
| Sodium hydroxide 0.1 mol/l<br>[CAS No. 1310-73-2] | Test passed   |
| Ethanol (99 %)<br>[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<br>[CAS No. 1310-73-2] | Test passed              |
| Saltwater (saturated 350 g/l)<br>[CAS No. - ]     | Test passed              |
| Diesel<br>[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

# LS-EMLP (20X7) YE - Device marker



0831738

<https://www.phoenixcontact.com/us/products/0831738>

|               |                      |
|---------------|----------------------|
| Specification | EN ISO 22479:2022-06 |
| 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  |

## Standards and regulations

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

## Mounting

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

# LS-EMLP (20X7) YE - Device marker



0831738

<https://www.phoenixcontact.com/us/products/0831738>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

# LS-EMLP (20X7) YE - Device marker



0831738

<https://www.phoenixcontact.com/us/products/0831738>

## 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% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

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