

# EML (80X20)R - Label



0803138

<https://www.phoenixcontact.com/gb/products/0803138>

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.



Label, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 1000, text field height: 20 mm, text field width: 80 mm

## Your advantages

- The EML ... self-adhesive device markers are particularly suitable for identification of various types of equipment in controller, system, and control cabinet building
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences
- The EML ... materials are UL-listed
- A wide range of marker sizes and colors are available for custom designs
- Labeling service: Phoenix Contact can custom-label all EM ... markers in accordance with your requirements

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 0803138             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BG2411              |
| Product key                          | BG2411              |
| Catalog page                         | Page 324 (C-3-2019) |
| GTIN                                 | 4046356977104       |
| Weight per piece (including packing) | 448 g               |
| Weight per piece (excluding packing) | 381.95 g            |
| Customs tariff number                | 39269097            |
| Country of origin                    | PL                  |

## Technical data

### Product properties

|                                     |                            |
|-------------------------------------|----------------------------|
| Product type                        | Device marking             |
| Marking                             |                            |
| Number of individual labels         | 1000                       |
| Number of individual labels per row | 1                          |
| Identification technology           | Thermal transfer for rolls |

### Mounting

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

### Material specifications

|                   |                                |
|-------------------|--------------------------------|
| Foil strength     | 50 µm                          |
| Adhesive strength | 20 µm                          |
| Adhesive          | Acrylic                        |
| Color             | white (RAL 9010)               |
| Material          | Polyester                      |
| Components        | free from silicone and halogen |

### Environmental and real-life conditions

#### Test for substances that would hinder coating with paint or varnish

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

#### Test for substances that would hinder coating with paint or varnish

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

#### Scratch test for the determining scratch resistance

|               |                                |
|---------------|--------------------------------|
| Specification | EN ISO 1518-1:2023 (following) |
| Requirements  | ≥ 5 N                          |
| Result        | Test passed                    |

#### 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                                  |

#### Temperature resistance

|                        |                                 |
|------------------------|---------------------------------|
| Specification          | ANSI/UL 969-2018:03 (following) |
| Test duration          | 240 h                           |
| Rating 150 °C (180 °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)                    |
| Isopropyl<br>[CAS No. 67-63-0]                    | Test passed (not applicable for 0829542 THERMOMARK-RIBBON 110 GN) |
| 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                                                       |
| Specification                                     | ISO 175:2010 (following)                                          |
| Test duration                                     | 168 h                                                             |
| Ethanol (99 %)<br>[CAS No. 64-17-5]               | Test passed                                                       |
| IRM 901                                           | Test passed                                                       |
| IRM 902                                           | Test passed                                                       |

## Testing in a condensation changing climate in the presence of sulfur dioxide

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

## Ambient conditions

|                                                     |                                                                                 |
|-----------------------------------------------------|---------------------------------------------------------------------------------|
| Ambient temperature (operation)                     | -40 °C ... 150 °C                                                               |
| Ambient temperature (assembly)                      | > 5 °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) |
| Shelf life                                          | 2 years                                                                         |

## Dimensions

|        |       |
|--------|-------|
| Width  | 80 mm |
| Length | 20 mm |

## Text field

|                   |       |
|-------------------|-------|
| Text field width  | 80 mm |
| Text field height | 20 mm |

## Standards and regulations

# EML (80X20)R - Label

0803138

<https://www.phoenixcontact.com/gb/products/0803138>



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

# EML (80X20)R - Label

0803138

<https://www.phoenixcontact.com/gb/products/0803138>



## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/0803138>



**CSA**

Approval ID: 70191766



**cULus Recognized**

Approval ID: MH48542

# EML (80X20)R - Label

0803138

<https://www.phoenixcontact.com/gb/products/0803138>



## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27281103 |
| ECLASS-12.0 | 27281103 |
| ECLASS-13.0 | 27281103 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001288 |
|----------|----------|

### UNSPSC

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

# EML (80X20)R - Label



0803138  
<https://www.phoenixcontact.com/gb/products/0803138>

## 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 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)