

# MM-EML (15X9)R C1 YE/BK - Label

1116199

<https://www.phoenixcontact.com/us/products/1116199>



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Label, Roll, yellow/black, unmarked, can be labeled with: THERMOMARK GO, mounting type: adhesive, Number of individual labels: 285, text field height: 9 mm, text field width: 15 mm

## Product description

The MM-EML... polyester self-adhesive labels are available as pre-punched material for equipment marking.

## Your advantages

- The pre-punched self-adhesive labels are particularly suitable for the professional and permanent marking of various components and equipment in control cabinet, controller, and systems manufacturing
- The material is cUL certified
- High-quality and solvent-resistant marking solution for industrial applications that is created by means of thermal transfer printing
- Easy and efficient material cartridge system: Includes both the material to be printed and the corresponding ink ribbon
- No visible difference between retrospective marking and existing markings created with a desktop roll printer
- The pre-punched geometry enables easy and convenient use
- Thanks to the innovative material composition, each label can be printed which results in zero wastage

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1116199       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BG23          |
| Product key                          | BG241E        |
| GTIN                                 | 4063151042035 |
| Weight per piece (including packing) | 67.2 g        |
| Weight per piece (excluding packing) | 55 g          |
| Customs tariff number                | 96121010      |
| Country of origin                    | CN            |

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## Technical data

### Product properties

| Product type                | Gerätemarker     |
|-----------------------------|------------------|
| Marking                     |                  |
| Number of individual labels | 285              |
| Identification technology   | Thermal transfer |

### Dimensions

|        |          |
|--------|----------|
| Width  | 15.00 mm |
| Height | 9.00 mm  |
| Depth  | 0.06 mm  |

### Material specifications

|               |  |
|---------------|--|
| Foil strength | 50 µm                                    |
| Adhesive      | Acrylic                                  |
| Color         | multicolored                             |
|               | yellow (RAL 1018)                        |
|               | black (RAL 9005)                         |
| Material      | Polyester                                |
| Components    | free from silicone, halogen, and cadmium |

### Environmental and real-life conditions

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

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

#### UV resistance

|               |                                |
|---------------|--------------------------------|
| Specification | ISO 4892-2:2013-03 (following) |
| Result        | Test passed                    |
| Test duration | 96 h                           |
| Procedure     | Artificial irradiation.        |

#### Wipe resistance of inscriptions

|   |  |
|---|--|
| Specification                                   | DIN EN 61010-1 (VDE 0411-1):2011-07            |
|   | DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropyl<br>[CAS No. 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 50018:2013-05 |
| Result        | Test passed       |

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|               |           |
|---------------|-----------|
| Climate level | AHT 1.0 S |
| Cycles        | 2         |

## Salt spray test

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

## Ambient conditions

|   |   |
|---|---|
| Ambient temperature (operation)                     | -40 °C ... 150 °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  | 24 months   |

## Standards and regulations

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

## Mounting

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

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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1116199>



**cULus Recognized**

Approval ID: MH48542

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## Environmental product compliance

### EU RoHS

|   |                    |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|  | No hazardous substances above the limits |

### EU REACH SVHC

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

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