

# EML-RM (45X5)R - Label, can be removed



0830538

<https://www.phoenixcontact.com/us/products/0830538>

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Label, can be removed, Roll, white (RAL 9010), unmarked, 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: 2500, text field height: 5 mm, text field width: 45 mm

## Your advantages

- The EML-RM label is ideal for temporary marking
- This label features solid and reliable adhesion, but can also be easily removed again without any leftover residue. Once removed, it cannot be re-used
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences
- The EML-RM ... materials are UL-listed
- Labeling service: Phoenix Contact can custom-label all EML-RM ... markers in accordance with your requirements

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 0830538       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BG16          |
| Product key                          | BG2411        |
| GTIN                                 | 4046356720502 |
| Weight per piece (including packing) | 255 g         |
| Weight per piece (excluding packing) | 255 g         |
| Customs tariff number                | 39269097      |
| Country of origin                    | US            |

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## Technical data

### Product properties

|                  |               |
|------------------|---------------|
| Product type     | Device marker |
| Product property | removable     |

### Marking

|                                     |                |
|-------------------------------------|----------------|
| Number of individual labels         | 2500           |
| Number of individual labels per row | 2              |
| Identification technology           | Thermotransfer |

### Dimensions

|        |          |
|--------|----------|
| Width  | 45.00 mm |
| Height | 5.00 mm  |
| Depth  | 0.07 mm  |

### Text field

|                   |       |
|-------------------|-------|
| Text field width  | 45 mm |
| Text field height | 5 mm  |

### Material specifications

|                       |                                |
|-----------------------|--------------------------------|
| Foil strength         | 50 µm                          |
| Adhesive strength     | 16 µm                          |
| Adhesive              | Acrylic                        |
| Color                 | white (RAL 9010)               |
| Material              | Polyester                      |
| Base element material | Polyester                      |
| Components            | free from silicone and halogen |

### Environmental and real-life conditions

#### Ambient conditions

|                                                     |                                                                                          |
|-----------------------------------------------------|------------------------------------------------------------------------------------------|
| Ambient temperature (operation)                     | -20 °C ... 80 °C                                                                         |
| Recommended ambient temperature (storage/transport) | 20 °C                                                                                    |
| Recommended humidity (storage/transport)            | 40 % ... 50 % (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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## Tesa film 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 storage

|                         |                       |
|-------------------------|-----------------------|
| Specification           | IEC 60068-2-2:2007-07 |
| Result                  | Test passed           |
| Procedure               | Test Bb               |
| Duration                | 96 h                  |
| Temperature for testing | 120 °C                |

## 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 | 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 |
|---------------|----------|

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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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