

# EML (16X7)R - Label

0818001

<https://www.phoenixcontact.com/us/products/0818001>



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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, lettering field size: 16 x 7 mm, Number of individual labels: 10000

## 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                          | 0818001             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BG16                |
| Product key                          | BG2411              |
| Catalog page                         | Page 324 (C-3-2019) |
| GTIN                                 | 4046356125505       |
| Weight per piece (including packing) | 511.8 g             |
| Weight per piece (excluding packing) | 511 g               |
| Customs tariff number                | 39269097            |
| Country of origin                    | PL                  |

## Technical data

### Product properties

|                                     |                            |
|-------------------------------------|----------------------------|
| Product type                        | Device marking             |
| Data management status              |                            |
| Article revision                    | 04                         |
| Marking                             |                            |
| Number of individual labels         | 10000                      |
| Number of individual labels per row | 5                          |
| Identification technology           | Thermal transfer for rolls |

### Mounting

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

### Material specifications

|                   |                                |
|-------------------|--------------------------------|
| RoHS compliant    | yes                            |
| Foil strength     | 50 µm                          |
| Adhesive strength | 20 µm                          |
| Adhesive          | Acrylic                        |
| Color             | white                          |
| 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 |
|--------|-------------|

#### Scratch test for the determining scratch resistance

|               |                                       |
|---------------|---------------------------------------|
| Specification | DIN EN ISO 1518-1:2019-10 (following) |
| Requirements  | ≥ 5 N                                 |
| Result        | Test passed                           |

#### Tesafilm test

|               |                                  |
|---------------|----------------------------------|
| Specification | DIN EN ISO 2409:2013 (following) |
| Result        | Test passed                      |

#### UV resistance

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

#### Temperature resistance

|               |                                 |
|---------------|---------------------------------|
| Specification | ANSI/UL 969-2018:03 (following) |
| Test duration | 240 h                           |

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|                        |             |
|------------------------|-------------|
| 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 | DIN 50018:2013-05 |
| Result        | Test passed       |
| Climate level | AHT 1.0 S         |
| 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 storage conditions                      | 23 °C/50 % relative humidity. Storage in a dry and dark place in the original packaging is recommended. |
| Recommended ambient temperature (storage/transport) | 23 °C                                                                                                   |
| Recommended humidity (storage/transport)            | 50 %                                                                                                    |
| Shelf life                                          | 2 years                                                                                                 |

## Dimensions

|                   |          |
|-------------------|----------|
| Width             | 16 mm    |
| Text field width  | 16.00 mm |
| Text field height | 7.00 mm  |
| Length            | 7 mm     |

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## Standards and regulations

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


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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0818001>



**CSA**  
Approval ID: 70191766



**cULus Recognized**  
Approval ID: MH48542

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | 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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## Accessories

### THERMOMARK E.300 D US - Thermal transfer printer

1287033

<https://www.phoenixcontact.com/us/products/1287033>



Thermal transfer printer with internal rewinder for printing all materials in roll format with a print resolution of 300 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.

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### THERMOMARK E.300 US - Thermal transfer printer

1287021

<https://www.phoenixcontact.com/us/products/1287021>



Thermal transfer printer for printing all materials in roll format with a print resolution of 300 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.



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## THERMOMARK E.600 D US - Thermal transfer printer

1287040

<https://www.phoenixcontact.com/us/products/1287040>



Thermal transfer printer with internal rewinder for printing all materials in roll format with a print resolution of 600 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.

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## THERMOMARK E.600 US - Thermal transfer printer

1287029

<https://www.phoenixcontact.com/us/products/1287029>



Thermal transfer printer for printing all materials in roll format with a print resolution of 600 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.

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## THERMOMARK ROLL 2.0 - Thermal transfer printer

1085260

<https://www.phoenixcontact.com/us/products/1085260>



Thermal transfer printer for material off the roll, incl. Euro/US power cable and USB cable. Operating instructions printed in German and English. 1 roll of labels EML (20x8)R white = 1000 labels, ink ribbon = 50 m

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## THERMOMARK-RIBBON 110 - Ink ribbon

5145384

<https://www.phoenixcontact.com/us/products/5145384>



Ink ribbon, for roll printers for printing the product groups TML..., WML..., WML HF..., WML-FLAG..., EML..., EML-ESD..., EML-RM..., EML-HA..., EMLS..., EMLC..., EMLP... and PMM..., length: 300 m, roll length: 300 m, width: 110 mm, color: black

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### THERMOMARK-RIBBON 110 BU - Ink ribbon

0829544

<https://www.phoenixcontact.com/us/products/0829544>

Ink ribbon, length: 300 m, roll length: 300 m, width: 110 mm, color: blue



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### THERMOMARK-RIBBON 110 GN - Ink ribbon

0829542

<https://www.phoenixcontact.com/us/products/0829542>

Ink ribbon, length: 300 m, roll length: 300 m, width: 110 mm, color: green



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## THERMOMARK-RIBBON 110 RD - Ink ribbon

0829543

<https://www.phoenixcontact.com/us/products/0829543>

Ink ribbon, length: 300 m, roll length: 300 m, width: 110 mm, color: red



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## THERMOMARK-RIBBON 110/50 - Ink ribbon

0800687

<https://www.phoenixcontact.com/us/products/0800687>

Ink ribbon, for roll printers for printing the product groups TML..., WML..., WML HF..., WML-FLAG..., EML..., EML-ESD..., EML-RM..., EML-HA..., EMLS..., EMLC..., EMLP... and PMM..., length: 50 m, roll length: 50 m, width: 110 mm, color: black



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## THERMOMARK ROLLMASTER 300 - Thermal transfer printer

0804501

<https://www.phoenixcontact.com/us/products/0804501>



Thermal transfer printer for material off the roll, incl. Euro/US power cable and USB cable. Support CD includes user manuals in several languages, links to firmware, drivers, and planning and marking software. Operating instructions printed in German and English. 1 roll of labels EML (20x8)R white = 1000 labels, ink ribbon = 50 m

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## THERMOMARK ROLLMASTER 600 - Thermal transfer printer

0804663

<https://www.phoenixcontact.com/us/products/0804663>



Thermal transfer printer for material off the roll, incl. Euro/US power cable and USB cable. Support CD includes user manuals in several languages, links to firmware, drivers, and planning and marking software. Operating instructions printed in German and English. 1 roll of labels EML (20x8)R white = 1000 labels, ink ribbon = 50 m

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## THERMOMARK ROLL - Thermal transfer printer

5146477

<https://www.phoenixcontact.com/us/products/5146477>



Thermal transfer printer, 300 dpi, incl. European power cable, US power cable, and USB cable. DVD with CLIP PROJECT advanced planning and marking software, user manuals in various languages, Windows® printer driver, and firmware. German/English user manual in DIN A5 format, EML (20x8)R roll of labels, white, with 1000 labels, and ink ribbon: 50 m

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## THERMOMARK X1.2 - Thermal transfer printer

5146231

<https://www.phoenixcontact.com/us/products/5146231>



Thermal transfer printer, weight: 10 kg, length: 0.446 m, width: 242 mm, height: 274 mm, color: gray

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