

# E-WM (EX23)R - Marking foil



1234231

<https://www.phoenixcontact.com/us/products/1234231>

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Marking foil, Roll, white, unlabeled, can be labeled with: THERMOMARK E.WIRE, THERMOMARK E.300 (D)/600 (D), mounting type: welding, cable diameter range: 1.8 ... 5.6 mm, lettering field size: 3 lettering fields with variable height x 22.1 mm, roll length: 100 m

## Product description

The marking foil in the E-WM... product family is designed for automated processing with the THERMOMARK E.WIRE applicator. During the automated printing and application process, the E.WIRE transforms the material in continuous format into radially and axially movable markers that can be printed on three sides. The hot-sealed joint ensures that the markers remain captive on the wires/cables.

## Your advantages

- The continuous format means that one material can cover all wire and cable diameters ranging from 1.8 mm ... 5.6 mm (0.07" ... 0.22"). It is therefore not necessary to change materials
- Thanks to the three-sided printing and sliding action of the markers on the wires/cables, the marking is clearly visible once installed
- Due to the triangular shape of the markers, different information can be printed on each of the three marking areas
- The very strong heat-sealed joint ensures that the markers remain captive
- Permanent identification of single-core wires, wires, cables, twisted cable bundles, and other cylindrical objects
- The E-WM marking foil is available in three different widths

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1234231       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BG17          |
| Product key                          | BG2211        |
| GTIN                                 | 4063151337049 |
| Weight per piece (including packing) | 413.8 g       |
| Weight per piece (excluding packing) | 413.8 g       |
| Customs tariff number                | 39199080      |
| Country of origin                    | CH            |

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## Technical data

### Product properties

|                           |                            |
|---------------------------|----------------------------|
| Product type              | Conductor marking          |
| Data management status    |                            |
| Article revision          | 02                         |
| Marking                   |                            |
| Identification technology | Thermal transfer for rolls |

### Dimensions

|                |          |
|----------------|----------|
| Width          | 22.4 mm  |
| Length of roll | 100.00 m |

### Material specifications

|                |                                       |
|----------------|---------------------------------------|
| RoHS compliant | yes                                   |
| Color          | white (RAL 9010)                      |
| Material       | PET + thermoplastic hot-melt adhesive |
| Components     | free from silicone and halogen        |

### Cable/line

|                         |                   |
|-------------------------|-------------------|
| External cable diameter | 1.8 mm ... 5.6 mm |
|-------------------------|-------------------|

### 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                           |

#### Wipe resistance of inscriptions

|               |                                                |
|---------------|------------------------------------------------|
| Specification | DIN EN 61010-1 (VDE 0411-01):2020-03           |
|               | DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |

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|                                                 |             |
|-------------------------------------------------|-------------|
| 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       |
| 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 ... 80 °C |
| Recommended ambient temperature (storage/transport) | 23 °C            |
| Recommended humidity (storage/transport)            | 50 %             |
| Shelf life                                          | 1 Year           |

## Mounting

|               |         |
|---------------|---------|
| Mounting type | welding |
|---------------|---------|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27281102 |
| ECLASS-12.0 | 27281102 |
| ECLASS-13.0 | 27281102 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001530 |
|----------|----------|

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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 E.WIRE - Applicator

1203216

<https://www.phoenixcontact.com/us/products/1203216>



Applicator for the efficient printing and application of movable E-WM... markers on wires and cables in a single automated process step

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## THERMOMARK E.WIRE SET US - Applicator set

1287046

<https://www.phoenixcontact.com/us/products/1287046>



Equipment set consisting of the E.WIRE applicator and the compatible THERMOMARK E.300 BASIC printing system for printing and applying movable E-WM... markers to wires and cables.

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## TM-RIBBON 30 BK 103 - Ink ribbon

1309076

<https://www.phoenixcontact.com/us/products/1309076>



Ink ribbon, for the E-WM... product group in combination with the THERMOMARK E.WIRE applicator, length: 300 m, roll length: 300 m, width: 30 mm, color: black

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## TM E.WIRE/E.SLEEVE-PR - Pressure roller

1259203

<https://www.phoenixcontact.com/us/products/1259203>



Pressure roller for all E-WM... and E-WMS... materials (for material width of up to 30 mm/1.18")

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## TM E.300/E.600-TEAR OFF PLATE - Demolition plate

1263118

<https://www.phoenixcontact.com/us/products/1263118>

Tear-off plate for all roll printers in the THERMOMARK E SERIES



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## TM E.300/E.600-FRONT COVER - Front plate

1285305

<https://www.phoenixcontact.com/us/products/1285305>

Front panel for all roll printers in the THERMOMARK E SERIES



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## THERMOMARK ROLL-ERH - Media hub

5146448

<https://www.phoenixcontact.com/us/products/5146448>



External media hub, for the THERMOMARK ROLL, for roll diameter of 150 to 400 mm

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## THERMOMARK-ERH 500 - Media hub

5146309

<https://www.phoenixcontact.com/us/products/5146309>



External media hub, for the THERMOMARK ROLL, for roll diameter of up to 500 mm

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