

# E-WM (EX15)R - Marking foil

1233940

<https://www.phoenixcontact.com/us/products/1233940>

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Marking foil, Roll, white (RAL 9010), unmarked, can be labeled with: THERMOMARK E.WIRE, cable diameter range: 1.8 ... 5.6 mm, mounting type: welding, Number of individual labels: 1, roll length: 100 m, text field height: 15 mm

## 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	1233940
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BG17
Product key	BG2211
GTIN	4063151337568
Weight per piece (including packing)	298.2 g
Weight per piece (excluding packing)	290 g
Customs tariff number	39199080
Country of origin	CH

## Technical data

### Product properties

Product type	Conductor marker
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### Marking

Number of individual labels	1
Identification technology	Thermotransfer

### Dimensions

Length of roll	100.00 m
Height	14.8 mm
Depth	0.11 mm

### Text field

Text field height	15 mm
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### Material specifications

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

### Cable/line

External cable diameter	1.8 mm ... 5.6 mm
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### Environmental and real-life conditions

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C
Recommended ambient temperature (storage/transport)	23 °C
Recommended humidity (storage/transport)	50 %

#### 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

#### Tesafilm test

Specification	DIN EN ISO 2409:2020-12 (following)
Result	Test passed

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## UV resistance

Specification	DIN EN ISO 4892-2:2021-11 (following)
Result	Test passed
Test duration	96 h
Procedure	Artificial irradiation.

## Wipe resistance of inscriptions

Specification	DIN EN 61010-1 (VDE 0411-01):2020-03 DIN EN 62208 (VDE 0660-511):2012-06 (in parts)
Isopropanol (99%) [67-63-0]	Test passed
n-Hexane [CAS No. 110-54-3]	Test passed
Water + Petroleum ether [CAS No. 64742-82-1]	Test passed

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

Specification	DIN EN ISO 22479:2022-08
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

## Mounting

Mounting type	welding
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## Classifications

### ECLASS

ECLASS-13.0	27281102
ECLASS-15.0	27281102

### ETIM

ETIM 10.0	EC001530
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### UNSPSC

UNSPSC 21.0	39131500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### EU REACH SVHC

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