

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, cable diameter range: 1.8 ... 5.6 mm, mounting type: welding, Number of individual labels: 1, roll length: 100 m, text field height: 23 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	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
Marking	
Number of individual labels	1
Identification technology	Thermal transfer for rolls

Dimensions

Width	22.4 mm
Length of roll	100.00 m

Text field

Text field height	23 mm
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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
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Environmental and real-life conditions

Test for substances that would hinder coating with paint or varnish

Result	Test passed
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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 [CAS No. 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 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-13.0	27281102
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ETIM

ETIM 9.0	EC001530
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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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