E-WM (EX23)R - Marking foil

1234231

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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: 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

Technical data

Product properties

Product type	Conductor marker

Marking

Number of individual labels	1
Identification technology	Thermotransfer

Dimensions

Length of roll	100.00 m
Height	22.5 mm
Depth	0.11 mm

Text field

Text field height	23 mm

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

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

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

Classifications

ECLASS

ECLASS-13.0	27281102
ECLASS-15.0	27281102

ETIM

ETIM 10.0	EC001530

UNSPSC

UNSPSC 21.0	39131500

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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