MM-WMS 3,2 (EX5)R C1 WH/BK - Shrink sleeve

0803923

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Shrink sleeve, white (RAL 9010), unmarked, can be labeled with: THERMOFOX, THERMOMARK GO, THERMOMARK GO.K, cable diameter range: 1 ... 3.2 mm, mounting type: slide-on, Number of individual labels: 1, roll length: 1.8 m, text field height: 3.1 mm, text field width: 1800 mm, The product is being prepared for compliance with the Cyber Resilience Act (CRA)

Your advantages

- High-quality and solvent-resistant marking solution for industrial applications that is created by means of thermal transfer printing
- Thanks to the continuous format, a shrink sleeve marker of the appropriate length can be created flexibly for the relevant application
- Easy and efficient material cartridge system: Includes both the material to be printed and the corresponding ink ribbon
- No visible difference between retrospective marking and existing markings created with a desktop roll printer
- The shrink sleeve material provides additional electrical insulation and mechanical protection for conductors
- The conductor to be marked is simply threaded through the sleeve and fixed by shrinking the sleeve
- The material is cUL certified

Commercial data

Item number	0803923
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BG23

Product key	BG221E
GTIN	4055626212036
Weight per piece (including packing)	45.5 g
Weight per piece (excluding packing)	44.4 g
Customs tariff number	39173200
Country of origin	CN

Technical data

Notes

Note on application

Note on application	As things stand now, we are preparing the product so that, as of December 11, 2027, it will comply with the requirements of the EU Cyber Resilience Act (CRA) based on the information currently available regarding the CRA.

Product properties

Product type	Shrink sleeve
Area of application	Railway industry
Special properties	The product is being prepared for compliance with the Cyber Resilience Act (CRA)

Marking

Number of individual labels	1
Number of individual labels per row	1
Identification technology	Thermal transfer

Dimensions

Length of roll	1.80 m
Height	6.1 mm

Text field

Text field width	1800 mm
Text field height	3.1 mm

Material specifications

Color (Label)	white (RAL 9010)
Color (Marking text)	black (RAL 9005)
Base element material	polyolefine
Shrink rate	3:1
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Components	free from silicone, halogen, and cadmium

Cable/line

External cable diameter	1 mm ... 3.2 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-55 °C ... 125 °C
Recommended ambient temperature (storage/transport)	23 °C
Recommended humidity (storage/transport)	50 % (Storage in a dry and dark place in the original packaging is recommended)

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

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 0411-1):2011-07
	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

Mounting

Mounting type	slide-on

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/0803923

cULus Recognized
Approval ID: E310982

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

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

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

EF3.1 Climate Change

CO2e kg	1.356 kg CO2e

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https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com