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WMS-2 HF 12,7 (60X20)RL YE - Shrink sleeve

0833201

https://www.phoenixcontact.com/gb/products/0833201

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Shrink sleeve, Roll, yellow, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLLMASTER 300/600, THERMOMARK ROLL X1, THERMOMARK ROLL, THERMOMARK ROLL 2.0, THERMOMARK W, THERMOMARK X1.2, unperforated, mounting type: slide-on, cable diameter range: 6.4 ... 12.7 mm, Number of individual labels: 500, text field height: 20 mm, text field width: 60 mm

Product description

Due to their ladder-style format, the preassembled shrink sleeves in the WMS-2 HF... product family provide a good overview and facilitate quick use. After the printing and applying process, you have the option of shrinking the marked shrink sleeves by applying heat manually and thus fixing them on the cable/wire.

Your advantages

- Permanent and captive identification of single-core wires, wires, cables, pneumatic hoses, and other cylindrical objects
- Ladder style design: For a good overview and to facilitate quick use, the sleeves are preassembled in cut lengths: 15 mm, 30 mm, or 60 mm
- As an option, the sleeves can be shrunk by applying heat manually to fix the sleeve in position
- High diameter coverage with a shrink ratio of 2:1
- Widely used and proven worldwide in the railway industry

Commercial data

Item number	0833201
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BG2216
Product key	BG2216
Catalog page	Page 221 (C-3-2019)
GTIN	4055626044484
Weight per piece (including packing)	1,088.5 g
Weight per piece (excluding packing)	99.99 g
Customs tariff number	39173200
Country of origin	DK

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Technical data

Notes

Material information	The specified minimum wire diameter of the shrink sleeve refers to its use as a marking material and does not guarantee any insulation characteristics once shrunk. Depending on the processed material batch, as well as the storage and processing conditions, the maximum insertable wire diameter may be reduced.

Product properties

Product type	Shrink sleeve
Area of application	Railway industry
Type	Shrink sleeve

Data management status

Article revision	00

Marking

Number of individual labels	500
Number of individual labels per row	1
Identification technology	Thermal transfer for rolls

Dimensions

Width	20 mm
Text field width	60.00 mm
Text field height	20.00 mm
Length	60 mm

External dimensions

Outside diameter	6.4 mm ... 12.7 mm

Material specifications

Color	yellow (RAL 1018)
Material	Polyolefine
Base element material	polyolefine
Shrink rate	2:1
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Components	halogen-free
Shrink temperature	> 90 °C

Cable/line

External cable diameter	6.4 mm ... 12.7 mm

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Environmental and real-life conditions

Test for substances that would hinder coating with paint or varnish

Result	Test passed

Test for substances that would hinder coating with paint or varnish

Result	Test passed

Scratch test for the determining 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

Temperature resistance

Specification	ANSI/UL 969-2018:03 (following)
Test duration	240 h
Rating 100 °C (121 °C)	Test passed

Wipe resistance of inscriptions

Specification	DIN EN 61010-1 (VDE 0411-01):2020-03
	DIN EN 62208 (VDE 0660-511):2012-06 (in parts)
Isopropyl [CAS No. 67-63-0]	Test passed
Water + Petroleum ether [CAS No. 64742-82-1]	Test passed
Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2]	Test passed
Ethanol (99 %) [CAS No. 64-17-5]	Test passed
Specification	ISO 175:2010 (following)
Test duration	168 h
Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2]	Test passed
Ethanol (99 %) [CAS No. 64-17-5]	Test passed
Diesel [CAS No. 68476-34-6]	Test passed
IRM 901	Test passed
IRM 902	Test passed

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

Specification	ISO 22479:2019-05
Result	Test passed
Procedure	Method B
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)	-30 °C ... 105 °C
Recommended ambient temperature (storage/transport)	10 °C ... 25 °C
Recommended humidity (storage/transport)	45 % ... 55 % (Storage in a dry and dark place in the original packaging is recommended)
Shelf life	2 years

Standards and regulations

Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Mounting

Mounting type	slide-on

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC001530

UNSPSC

UNSPSC 21.0	39131500

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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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