

WMS-2 HF 38,1 (60X60)RL - Shrink sleeve



0833206

<https://www.phoenixcontact.com/us/products/0833206>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Shrink sleeve, Roll, white (RAL 9010), unmarked, 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, cable diameter range: 19.1 ... 38.1 mm, unperforated, mounting type: slide-on, Number of individual labels: 375, text field height: 60 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	0833206
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BG14
Product key	BG2216
GTIN	4055626044538
Weight per piece (including packing)	2,640.1 g
Weight per piece (excluding packing)	2,640.1 g
Customs tariff number	39173200
Country of origin	DK

WMS-2 HF 38,1 (60X60)RL - Shrink sleeve



0833206

<https://www.phoenixcontact.com/us/products/0833206>

Technical data

Notes

Material information	<p>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.</p> <p>Depending on the processed material batch, as well as the storage and processing conditions, the maximum insertable wire diameter may be reduced.</p>
----------------------	---

Product properties

Product type	Shrink sleeve
Area of application	Railway industry

Marking

Number of individual labels	375
Number of individual labels per row	1
Identification technology	Thermotransfer

Dimensions

Width	60 mm
Length	60 mm

Text field

Text field width	60 mm
Text field height	60 mm

Material specifications

Color	white (RAL 9010)
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	19.1 mm ... 38.1 mm
-------------------------	---------------------

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-30 °C ... 105 °C
Recommended ambient temperature (storage/transport)	10 °C

WMS-2 HF 38,1 (60X60)RL - Shrink sleeve



0833206

<https://www.phoenixcontact.com/us/products/0833206>

Recommended humidity (storage/transport)	45 %
--	------

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

Test for substances that would hinder coating with paint or varnish

Testing for paint wetting impairment substances (LABS-conformity)	VDMA 24364:2018-05
Result	Test passed

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
Procedure	Artificial irradiation.

Temperature resistance

Specification	ANSI/UL 969-2018:03 (following)
Test duration	240 h
Rating 125 °C (150 °C)	Test passed

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
Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2]	Test passed
Ethanol (99 %) [CAS No. 64-17-5]	Test passed

Immersion in chemicals, oil & fuel

Specification	ISO 175:2010 (following)
Test duration	168 h
Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2]	Test passed

WMS-2 HF 38,1 (60X60)RL - Shrink sleeve



0833206

<https://www.phoenixcontact.com/us/products/0833206>

Saltwater (saturated 350 g/l) [CAS No. -]	Test passed
Ethanol (99 %) [CAS No. 64-17-5]	Test passed
Acetone (99 %) [CAS No. 67-64-1]	Test passed
Methylethylketone (MEK) [CAS No. 78-93-3]	Test passed
Diesel [CAS No. 68476-34-6]	Test passed
IRM 901	Test passed
IRM 902	Test passed
IRM 903	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

Standards and regulations

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

Mounting

Mounting type	slide-on
---------------	----------

WMS-2 HF 38,1 (60X60)RL - Shrink sleeve



0833206

<https://www.phoenixcontact.com/us/products/0833206>

Classifications

ECLASS

ECLASS-13.0

27281102

ETIM

ETIM 9.0

EC001530

UNSPSC

UNSPSC 21.0

39131500

WMS-2 HF 38,1 (60X60)RL - Shrink sleeve



0833206

<https://www.phoenixcontact.com/us/products/0833206>

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

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