

# MM-WMTB HF (55X25)R C1 WH/BK - Cable marker



1116209

<https://www.phoenixcontact.com/us/products/1116209>

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Cable marker, Roll, white/black, unlabeled, can be labeled with: THERMOMARK GO, mounting type: Assembly with cable ties, cable diameter range: 6 ... 115 mm, lettering field size: 55 x 22 mm, Number of individual labels: 20

## Product description

Prepunched, halogen-free MM-WMTB HF conductor markers made of polyurethane are attached to the conductor with a cable tie.

## Your advantages

- The pre-punched geometry enables easy and convenient use
- Thanks to the innovative material composition, each label can be printed which results in zero wastage
- 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 cable markers are mounted very easily using a cable tie. Alternatively, a large number of conductors can also be bundled together in this way
- High-quality and solvent-resistant marking solution for industrial applications that is created by means of thermal transfer printing

## Commercial data

Item number	1116209
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BG23
Product key	BG221E
GTIN	4063151042318
Weight per piece (including packing)	81.8 g
Weight per piece (excluding packing)	78 g
Customs tariff number	96121010
Country of origin	CN

## Technical data

### Product properties

Product type	Conductor marking
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### Marking

Number of individual labels	20
Number of individual labels per row	1
Identification technology	Thermal transfer

### Dimensions

Width	75 mm
Length	26 mm
Material strength	0.45 mm

### External dimensions

Outside diameter	≥ 6 mm
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### Material specifications

Color	white/black
Material	PUR
Flammability rating according to UL 94	HB
Components	free from silicone, halogen, and cadmium

### Cable/line

External cable diameter	6 mm ... 115 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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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

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Test duration	96 h
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## 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
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
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

## 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)	-25 °C ... 80 °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)
Shelf life	2 years

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## Standards and regulations

Wipe resistance

DIN EN 61010-1 (VDE 0411-1)

## Mounting

Mounting type

Assembly with cable ties

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## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC001530
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### UNSPSC

UNSPSC 21.0	39131500
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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