

# MM-WMTB HF (55X15)R C1 WH/BK - Cable marker



1116207

<https://www.phoenixcontact.com/us/products/1116207>

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Cable marker, Roll, white (RAL 9010), unmarked, can be labeled with: THERMOMARK GO, cable diameter range: 6 ... 115 mm, mounting type: Assembly with cable ties, Number of individual labels: 20, text field height: 13.4 mm, text field width: 55 mm

## 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  | 1116207 |
| Packing unit | 1 pc    |

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|                                      |               |
|--------------------------------------|---------------|
| Minimum order quantity               | 1 pc          |
| Sales key                            | BG23          |
| Product key                          | BG221E        |
| GTIN                                 | 4063151041847 |
| Weight per piece (including packing) | 77.3 g        |
| Weight per piece (excluding packing) | 78 g          |
| Customs tariff number                | 96121010      |
| 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

Conductor marker

#### Marking

##### Number of individual labels

20

##### Number of individual labels per row

1

##### Identification technology

Thermal transfer

### Dimensions

#### Width

75 mm

#### Height

14.4 mm

#### Depth

0.45 mm

#### Text field

##### Text field width

55 mm

##### Text field height

13.4 mm

### Material specifications

#### Foil strength

450 µm

#### Color (Label)

white (RAL 9010)

#### Color (Marking text)

black (RAL 9005)

#### Flammability rating according to UL 94

HB

#### Base element material

PUR

#### Components

free from silicone, halogen, and cadmium

### Cable/line

#### External cable diameter

6 mm ... 115 mm

### Environmental and real-life conditions

#### 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)

#### Test for substances that would hinder coating with paint or varnish

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|                                                                   |                      |
|-------------------------------------------------------------------|----------------------|
| 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-A1-L:2018-05 |
| 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.               |

## 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) |
| Isopropanol (99%) [67-63-0]                       | Test passed                                    |
| n-Hexane<br>[CAS No. 110-54-3]                    | Test passed                                    |
| Water + Petroleum ether<br>[CAS No. 64742-82-1]   | Test passed                                    |
| Sodium hydroxide 0.1 mol/l<br>[CAS No. 1310-73-2] | Test passed                                    |
| Ethanol (99 %)<br>[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<br>[CAS No. 1310-73-2] | Test passed              |
| Saltwater (saturated 350 g/l)<br>[CAS No. - ]     | Test passed              |

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|                                     |             |
|-------------------------------------|-------------|
| Ethanol (99 %)<br>[CAS No. 64-17-5] | Test passed |
| Gasoline<br>[CAS No. 64742-49-0]    | Test passed |
| Diesel<br>[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 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 | Assembly with cable ties |
|---------------|--------------------------|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27281102 |
| ECLASS-15.0 | 27281102 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001530 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39131500 |
|-------------|----------|

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## 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 | 1.769 kg CO2e |
|---------|---------------|

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