

# WMS 9,5 (20X16)RXL - Shrink sleeve

0804452

<https://www.phoenixcontact.com/us/products/0804452>

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Shrink sleeve, Roll, 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: 3.2 ... 9.5 mm, perforated, mounting type: slide-on, Number of individual labels: 7500, text field height: 16 mm, text field width: 20 mm

## 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 3:1
- Widely used and proven worldwide in control cabinet and machine building, the oil and gas industry, and the railway industry

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 0804452       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BG14          |
| Product key                          | BG2216        |
| GTIN                                 | 4055626337920 |
| Weight per piece (including packing) | 2,242 g       |
| Weight per piece (excluding packing) | 1,908 g       |
| Customs tariff number                | 39173200      |
| Country of origin                    | CN            |

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## Technical data

### Notes

|         |  |
|---------|--|
| General | For the THERMOMARK ROLL and THERMOMARK ROLL 2.0 roll printers, this material can only be processed with an external media hub. |
|---------|--|

### Product properties

|              |               |
|--------------|---------------|
| Product type | Shrink sleeve |
|--------------|---------------|

### Marking

|                                     |                |
|-------------------------------------|----------------|
| Number of individual labels         | 7500           |
| Number of individual labels per row | 3              |
| Identification technology           | Thermotransfer |

### Dimensions

|        |       |
|--------|-------|
| Width  | 16 mm |
| Length | 20 mm |

### Text field

|                   |       |
|-------------------|-------|
| Text field width  | 20 mm |
| Text field height | 16 mm |

### Material specifications

|                       |              |
|-----------------------|--------------|
| RoHS compliant        | yes          |
| Color                 | white        |
| Material              | Polyolefine  |
| Base element material | polyolefine  |
| Shrink rate           | 3:1          |
| Components            | halogen-free |
| Shrink temperature    | > 85 °C      |

### Cable/line

|                         |                   |
|-------------------------|-------------------|
| External cable diameter | 3.2 mm ... 9.5 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 %              |

#### 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             |

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## 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 0411-01):2020-03<br>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  |
| Acetone (99 %)<br>[CAS No. 67-64-1]               | 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              |
| Ethanol (99 %)<br>[CAS No. 64-17-5]               | Test passed              |
| Acetone (99 %)<br>[CAS No. 67-64-1]               | Test passed              |
| Methylethylketone (MEK)<br>[CAS No. 78-93-3]      | Test passed              |

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|                                  |             |
|----------------------------------|-------------|
| 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 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 |
|---------------|----------|

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## Classifications

### ECLASS

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

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39131504 |
|-------------|----------|

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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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