

# WMS 12,7 (EX20)RL YE - Shrink sleeve



0800333

<https://www.phoenixcontact.com/gb/products/0800333>

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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, cable diameter range: 4.2 ... 12.7 mm, unperforated, mounting type: slide-on, Number of individual labels: 1, roll length: 80 m, text field height: 20 mm, text field width: 80000 mm

## Product description

The continuous shrink sleeves in the WMS... product family can be assembled to create individual marker lengths using the THERMOMARK E. CUTTER or E.CUTTER/P. After the printing, assembly, 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
- High flexibility, as individual marker lengths ranging from 3.45 mm ... 2000 mm (0.14" ... 78.7") can be realized in combination with the cutter and perforation cutter
- 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                          | 0800333             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BG2216              |
| Product key                          | BG2216              |
| Catalog page                         | Page 227 (C-3-2019) |
| GTIN                                 | 4046356626125       |
| Weight per piece (including packing) | 1,094 g             |
| Weight per piece (excluding packing) | 840 g               |
| Customs tariff number                | 39173200            |
| Country of origin                    | CN                  |

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## Technical data

### Notes

|                      |                                                                                                                                                                                                                                                                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note on application  | For the THERMOMARK ROLL and THERMOMARK ROLL 2.0 roll printers, this material can only be processed with an external media hub.                                                                                                                                                                                                      |
| 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 |
| Type         | Shrink sleeve |

### Marking

|                             |                            |
|-----------------------------|----------------------------|
| Number of individual labels | 1                          |
| Identification technology   | Thermal transfer for rolls |

### Dimensions

|                |         |
|----------------|---------|
| Width          | 20 mm   |
| Length of roll | 80.00 m |

### External dimensions

|                  |                    |
|------------------|--------------------|
| Outside diameter | 4.2 mm ... 12.7 mm |
|------------------|--------------------|

### Text field

|                   |          |
|-------------------|----------|
| Text field width  | 80000 mm |
| Text field height | 20 mm    |

### Material specifications

|                       |                   |
|-----------------------|-------------------|
| Color                 | yellow (RAL 1018) |
| Material              | Polyolefine       |
| Base element material | polyolefine       |
| Shrink rate           | 3:1               |
| Components            | halogen-free      |
| Shrink temperature    | > 85 °C           |

### Cable/line

|                         |                    |
|-------------------------|--------------------|
| External cable diameter | 4.2 mm ... 12.7 mm |
|-------------------------|--------------------|

### Environmental and real-life conditions

Test for substances that would hinder coating with paint or varnish

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

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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                    |

Tesafilem test

|               |                                     |
|---------------|-------------------------------------|
| Specification | DIN EN ISO 2409:2020-12 (following) |
| Result        | Test passed                         |

UV resistance

|               |                                |
|---------------|--------------------------------|
| Specification | ISO 4892-2:2013-03 (following) |
| Result        | Test passed                    |
| Test duration | 96 h                           |

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           |
|                                                   | DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropyl<br>[CAS No. 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                                    |
| Specification                                     | ISO 175:2010 (following)                       |
| Test duration                                     | 168 h                                          |
| 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                                    |
| Diesel<br>[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 | EN ISO 22479:2022-06 |
| 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                                          |

## Ambient conditions

|                                                     |                                                                                 |
|-----------------------------------------------------|---------------------------------------------------------------------------------|
| Ambient temperature (operation)                     | -55 °C ... 125 °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                                          | 5 years                                                                         |

## Standards and regulations

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

## Mounting

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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/0800333>



**CSA**

Approval ID: 252259



**cULus Recognized**

Approval ID: E310982\_Vol2\_Sec1

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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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