

# WMS-OT HF 3,2 (EX5)R YE - Marking sleeve



1044239

<https://www.phoenixcontact.com/it/products/1044239>

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Marking sleeve, Roll, yellow, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK W, cable diameter range: 1 ... 3.2 mm, unperforated, mounting type: slide-on, Number of individual labels: 1, text field height: 5 mm, text field width: 30000 mm

## Your advantages

- Permanent and captive identification of single-core wires, wires, cables, pneumatic hoses, and other cylindrical objects
- Non-shrinkable halogen-free marking sleeve on rolls, in an oval design, for marking conductors and cables
- The oval design and the large opening enable rapid fitting onto the conductor or cable
- Through the use of the cutting or perforation unit, the marking sleeve can be cut to or perforated at the desired length (max. 1 m)
- Widely used and proven worldwide in the railway industry

## Commercial data

Item number	1044239
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BGE
Product key	BGE22F
Catalog page	Page 228 (C-3-2019)
GTIN	4055626621135
Weight per piece (including packing)	443 g
Weight per piece (excluding packing)	461 g
Customs tariff number	39173200
Country of origin	CN

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## Technical data

### Notes

Material information	For the THERMOMARK ROLL, THERMOMARK ROLL 2.0, THERMOMARK ROLLMASTER 300/600, and THERMOMARK E.300 (D)/E.600 (D) roll printers, this material can only be processed with an external media hub.
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### Product properties

Product type	Conductor marking
Area of application	Railway industry

### Marking

Number of individual labels	1
Identification technology	Thermal transfer for rolls

### Dimensions

Width	5 mm
Length	30 m

### External dimensions

Outside diameter	1 mm ... 3.2 mm
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### Text field

Text field width	30000 mm
Text field height	5 mm

### Material specifications

Color	yellow (RAL 1018)
Material	Polyolefine
Flammability rating according to UL 94	V0
Base element material	polyolefine
Components	halogen-free

### Cable/line

External cable diameter	1 mm ... 3.2 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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#### Scratch test for the determining scratch resistance

Specification	EN ISO 1518-1:2023 (following)
Requirements	≥ 5 N
Result	Test passed

#### Tesafilm test

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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
Specification	IEC 60068-2-2:2007-07
Result	Test passed
Duration	96 h
Temperature for testing	120 °C

## 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

## 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)	-30 °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)
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## Mounting

Mounting type	slide-on
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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

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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## Accessories

### THERMOMARK E.300 - Thermal transfer printer

1285306

<https://www.phoenixcontact.com/it/products/1285306>



Thermal transfer printer for printing all materials in roll format with a print resolution of 300 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.

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### THERMOMARK E.300 D - Thermal transfer printer

1004303

<https://www.phoenixcontact.com/it/products/1004303>



Thermal transfer printer with internal rewinder for printing all materials in roll format with a print resolution of 300 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.

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## THERMOMARK E.600 - Thermal transfer printer

1285310

<https://www.phoenixcontact.com/it/products/1285310>



Thermal transfer printer for printing all materials in roll format with a print resolution of 600 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.

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## THERMOMARK E.600 D - Thermal transfer printer

1004304

<https://www.phoenixcontact.com/it/products/1004304>



Thermal transfer printer with internal rewinder for printing all materials in roll format with a print resolution of 600 dpi. Suitable for long-term use in production and for large print volumes, as large rolls can also be processed.

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## THERMOMARK ROLL 2.0 - Thermal transfer printer

1085260

<https://www.phoenixcontact.com/it/products/1085260>



Thermal transfer printer for material off the roll, incl. Euro/US power cable and USB cable. Operating instructions printed in German and English. 1 roll of labels EML (20x8)R white = 1000 labels, ink ribbon = 50 m

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## THERMOMARK E.CUTTER - Cutter

1234241

<https://www.phoenixcontact.com/it/products/1234241>



Cutter for marking materials in continuous format for cutting custom lengths



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## THERMOMARK E.CUTTER/P - Cutter

1201336

<https://www.phoenixcontact.com/it/products/1201336>



Perforation cutter for all shrink sleeve and marking sleeve versions in continuous format for cutting custom lengths

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## THERMOMARK ROLL-CUTTER - Cutter

5146422

<https://www.phoenixcontact.com/it/products/5146422>



Cutter for THERMOMARK ROLL and THERMOMARK ROLL 2.0, cutter width: 110 mm, suitable for: TML, SK, EML-RM, PMM, WMS continuous media, WMS-2 HF continuous media, WMS-OT HF, TMT continuous media, and EMT (EX15)R

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## THERMOMARK ROLL-CUTTER/P - Cutter

5146435

<https://www.phoenixcontact.com/it/products/5146435>



Cutter for THERMOMARK ROLL and THERMOMARK ROLL 2.0, cutter width: 50 mm, suitable for: TML, SK, EML-RM, PMM, WMS continuous material, WMS-2 HF continuous material, WMS-OT HF, TMT continuous material, and EMT (EX15)R

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## THERMOMARK-RIBBON 110-WMSU - Ink ribbon

0801358

<https://www.phoenixcontact.com/it/products/0801358>



Ink ribbon, For roll printer for printing product groups WMS..., WMS-2 HF..., and WMTB HF-HP, length: 300 m, roll length: 300 m, width: 110 mm, color: black

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## THERMOMARK-RIBBON 64-WMSU - Ink ribbon

0801360

<https://www.phoenixcontact.com/it/products/0801360>



Ink ribbon, for roll printer for printing product groups WMS... and WMS-2 HF..., length: 300 m, roll length: 300 m, width: 64 mm, color: black

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## THERMOMARK-RIBBON 25-WMSU - Ink ribbon

0803390

<https://www.phoenixcontact.com/it/products/0803390>



Ink ribbon, for roll printer for printing product groups WMS... and WMS-2 HF..., length: 300 m, roll length: 300 m, width: 25 mm, color: black

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## TM-RIBBON 40 BK 105 - Ink ribbon

1259008

<https://www.phoenixcontact.com/it/products/1259008>



Ink ribbon, for the E-WMS... product group in combination with the THERMOMARK E.SLEEVE applicator and the WMS... and WMS-2 HF... product groups in combination with conventional roll printers, length: 300 m, roll length: 300 m, width: 40 mm, color: black

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## THERMOMARK ROLL-ERH - Media hub

5146448

<https://www.phoenixcontact.com/it/products/5146448>



External media hub, for the THERMOMARK ROLL, for roll diameter of 150 to 400 mm

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## THERMOMARK-ERH 500 - Media hub

5146309

<https://www.phoenixcontact.com/it/products/5146309>



External media hub, for the THERMOMARK ROLL, for roll diameter of up to 500 mm

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## THERMOMARK ROLLMASTER 300 - Thermal transfer printer

0804501

<https://www.phoenixcontact.com/it/products/0804501>



Thermal transfer printer for material off the roll, incl. Euro/US power cable and USB cable. Support CD includes user manuals in several languages, links to firmware, drivers, and planning and marking software. Operating instructions printed in German and English. 1 roll of labels EML (20x8)R white = 1000 labels, ink ribbon = 50 m

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## THERMOMARK ROLLMASTER 600 - Thermal transfer printer

0804663

<https://www.phoenixcontact.com/it/products/0804663>



Thermal transfer printer for material off the roll, incl. Euro/US power cable and USB cable. Support CD includes user manuals in several languages, links to firmware, drivers, and planning and marking software. Operating instructions printed in German and English. 1 roll of labels EML (20x8)R white = 1000 labels, ink ribbon = 50 m

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## THERMOMARK ROLL - Thermal transfer printer

5146477

<https://www.phoenixcontact.com/it/products/5146477>



Thermal transfer printer, 300 dpi, incl. European power cable, US power cable, and USB cable. DVD with CLIP PROJECT advanced planning and marking software, user manuals in various languages, Windows® printer driver, and firmware. German/English user manual in DIN A5 format, EML (20x8)R roll of labels, white, with 1000 labels, and ink ribbon: 50 m

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<https://www.phoenixcontact.com/lt/products/1044239>



## THERMOMARK W2 - Thermal transfer printer

5146147

<https://www.phoenixcontact.com/lt/products/5146147>



Thermal transfer printer for material off the roll, incl. Euro/US power cable, USB cable, and perforation knife. Support CD includes user manuals in several languages, links to firmware, drivers, and planning and marking software. Operating instructions printed in German and English.

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<https://www.phoenixcontact.com>

Phoenix Contact UAB

Svitrigailos str. 11B

03228 Vilnius

+370 5 2106321

[balticinfo@phoenixcontact.com](mailto:balticinfo@phoenixcontact.com)