

# LS-WMTB-AL (40X15) BK - Cable marker



0831509

<https://www.phoenixcontact.com/us/products/0831509>

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Cable marker, Aluminum label, black, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, mounting type: Assembly with cable ties, cable diameter: > 4.6 mm, lettering field size: 40 x 15 mm, Number of individual labels: 16



## Your advantages

- Aluminum cable marking for assembly with cable ties
- Suitable for large-surface marking of wires and cables, > 4.6 mm in diameter
- Identification made from metal, high strength in a lightweight design
- Increased durability due to the decoratively anodized surface

## Commercial data

Item number	0831509
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BG19
Product key	BG231D
Catalog page	Page 189 (C-3-2019)
GTIN	4046356925112
Weight per piece (including packing)	74.6 g
Weight per piece (excluding packing)	41.34 g
Customs tariff number	76169990
Country of origin	CN

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## Technical data

### Product properties

Type	Rectangle
Product type	Conductor marking
Type	Laser sheet

### Marking

Number of individual labels	16
Identification technology	Direct laser marking

### Dimensions

Width	15 mm
Length	58 mm
Material strength	0.80 mm

### External dimensions

Outside diameter	4.6 mm ... 136 mm
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### Material specifications

RoHS compliant	yes
Color	black
Material	Aluminum
Components	free from silicone, halogen, and cadmium

### Cable/line

External cable diameter	> 4.60 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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#### UV resistance

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

#### Wipe resistance of inscriptions

Specification	DIN EN 61010-1 (VDE 0411-1):2011-07 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

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## 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

## Ambient conditions

Ambient temperature (operation)	-25 °C ... 70 °C
Recommended storage conditions	23 °C/50 % relative humidity. Storage in a dry and dark place in the original packaging is recommended.
Recommended ambient temperature (storage/transport)	23 °C
Recommended humidity (storage/transport)	50 %

## Standards and regulations

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