

LS-WMTB-AL (D30) BK - Cable marker



0831513

<https://www.phoenixcontact.com/us/products/0831513>

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Cable marker, Aluminum label, black (RAL 9005), unmarked, can be labeled with: TOPMARK NEO, TOPMARK LASER, mounting type: Assembly with cable ties, cable diameter: > 2.9 mm, diameter: 30 mm, Number of individual labels: 20, text field height: 13 mm, text field width: 26 mm



Your advantages

- Aluminum cable marking for assembly with cable ties
- Suitable for large-surface marking of wires and cables, > 2.9 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	0831513
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BG19
Product key	BG231D
GTIN	4046356925150
Weight per piece (including packing)	77.98 g
Weight per piece (excluding packing)	61.56 g
Customs tariff number	76169990
Country of origin	CN

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Technical data

Product properties

Product type	Conductor marker
Type	circular

Marking

Number of individual labels	20
Slot type	Card form
Identification technology	Direct laser marking

Dimensions

Depth	0.8 mm
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Text field

Text field width	26 mm
Text field height	13 mm

Material specifications

Color	black (RAL 9005)
Base element material	Aluminum
Components	free from silicone, halogen, and cadmium

Cable/line

External cable diameter	> 2.90 mm
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 125 °C (At temperatures above 80 °C there might be a slight change to the material surface)
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

Testing for paint wetting impairment substances (LABS-conformity)	VDMA 24364:2018-05
Result	Test passed

Test for substances that would hinder coating with paint or varnish

Testing for paint wetting impairment substances (LABS-conformity)	VW PV 3.10.7:2005-02
Result	Test passed

Scratch resistance

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

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Result	Test passed
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Tesafilem 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.

Outdoor exposure

Specification	DIN EN ISO 877-2 (2011-03-00)
Test duration	2952 h
Procedure	A

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)
Isopropanol (99%) [67-63-0]	Test passed
n-Hexane [CAS No. 110-54-3]	Test passed
Water + Petroleum ether [CAS No. 64742-82-1]	Test passed
Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2]	Test passed
Ethanol (99 %) [CAS No. 64-17-5]	Test passed
Acetone (99 %) [CAS No. 67-64-1]	Test passed

Immersion in chemicals, oil & fuel

Specification	ISO 175:2010 (following)
Test duration	168 h
Saltwater (saturated 350 g/l) [CAS No. -]	Test passed
Ethanol (99 %) [CAS No. 64-17-5]	Test passed
Acetone (99 %) [CAS No. 67-64-1]	Test passed
Methylethylketone (MEK) [CAS No. 78-93-3]	Test passed
Gasoline [CAS No. 64742-49-0]	Test passed

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Diesel [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	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

High pressure test

Specification	ISO 20653:2013-02
Result	Test passed
IP-Code	IP X9K

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-13.0	27281102
ECLASS-15.0	27281102

ETIM

ETIM 10.0	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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