

# LS-WMTB-V4A (D50) - Cable marker



1099826

<https://www.phoenixcontact.com/us/products/1099826>

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Cable marker, Stainless steel label, silver, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, mounting type: Assembly with cable ties, cable diameter: > 2.9 mm, lettering field size: 44 x 22 mm, Number of individual labels: 9



## Your advantages

- Stainless steel cable marking for assembly with cable ties
- Easy-to-clean and permanent identification that also meets stringent hygiene requirements
- High resistance to corrosion, acids, and temperatures
- Suitable for large-surface marking of wires and cables, > 2.9 mm in diameter

## Commercial data

Item number	1099826
Packing unit	1 pc
Minimum order quantity	5 pc
Sales key	BG19
Product key	BG231D
GTIN	4055626950310
Weight per piece (including packing)	118.7 g
Weight per piece (excluding packing)	107.8 g
Customs tariff number	73269098
Country of origin	CN

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## Technical data

### Product properties

Type	circular
Product type	Conductor marking
Type	Laser sheet

### Marking

Number of individual labels	9
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### Marking technology

Device	1012015 TOPMARK NEO
Printability	Direct laser marking

### Dimensions

Width	50 mm
Length	50 mm
Hole diameter	5.00 mm
Material strength	0.50 mm

### External dimensions

Outside diameter	1 mm ... 136 mm
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### Material specifications

Color	silver
Material	V4A (1.4404; AISI 316L)
Components	free from silicone, halogen, and cadmium

### Cable/line

External cable diameter	> 2.9 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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#### 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	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

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## UV resistance

Specification	ISO 4892-2:2013-03 (following)
Result	Test passed
Test duration	96 h
Specification	IEC 60068-2-2:2007-07
Result	Test passed
Duration	240 h
Temperature for testing	350 °C

## Temperature resistance

Specification	ANSI/UL 969-2018:03 (following)
Test duration	240 h
Rating 225 °C (250 °C)	Test passed
Specification	ISO 175:2010 (following)
Test duration	168 h

## Testing in a condensation changing climate in the presence of sulfur dioxide

Specification	DIN 50018:2013-05 (following)
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

## Salt spray test

Specification	ISO 9227:2017-03
Result	Test passed
Test duration	336 h

## High pressure test

Specification	ISO 20653:2013-02
Result	Test passed

## Ambient conditions

Ambient temperature (operation)	-80 °C ... 350 °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	24 months

## Standards and regulations

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

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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 8.0	EC001530
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### UNSPSC

UNSPSC 21.0	39131500
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## Accessories

### TOPMARK NEO - Laser marker

1012015

<https://www.phoenixcontact.com/us/products/1012015>



Laser marking system for the efficient marking of metal or plastic marking material from the LS..., UCT..., UC.../PP..., UM... product families.

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### TOPMARK LASER - Laser marker

0831831

<https://www.phoenixcontact.com/us/products/0831831>



Laser marker and MARKING NOTEBOOK with German operating system and German keyboard, incl. CLIP-PROJECT PROFESSIONAL software and installed drivers, user manual, sheet magazine, card magazine, and 230 V extraction unit

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## WT-HF 4,5X160 BK - Cable tie

3240757

<https://www.phoenixcontact.com/us/products/3240757>



Cable binders for quick and secure bundling, standard version

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## WT-UV HF 4,5X200 BK - Cable tie

3240834

<https://www.phoenixcontact.com/us/products/3240834>



Cable binders for quick and permanent fastening, UV-resistant and weatherproof (ISO 4892\_QUV-B 600 h)

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## WT-HT HF 4,5X200 BK - Cable tie

3240787

<https://www.phoenixcontact.com/us/products/3240787>



Cable binders for quick and secure bundling, heat stabilized to 125°C (also up to 145°C for brief periods)

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## WT-HT HF 4,5X200 - Cable tie

3240786

<https://www.phoenixcontact.com/us/products/3240786>



Cable binders for quick and secure bundling, heat stabilized to 125°C (also up to 145°C for brief periods)



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## WT-HP HF 4,5X290 - Cable tie

0830984

<https://www.phoenixcontact.com/us/products/0830984>



Cable binders for quick and secure bundling, standard version

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## WT-ID HF 4,5X200 BU - Cable tie

3240797

<https://www.phoenixcontact.com/us/products/3240797>



Cable binders for quick and secure fastening, can be detected using metallic pigments

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## WT-HF 4,5X160 - Cable tie

3240756

<https://www.phoenixcontact.com/us/products/3240756>



Cable binders for quick and secure bundling, standard version

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## TMN-ADAPTER PLATE-LS - Adapter plate

1012104

<https://www.phoenixcontact.com/us/products/1012104>



Adapter plate for LS materials incl. 4 magnets for spot securing of lightweight marking materials

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## TMN-FRAME-LS - Holding plate

0803478

<https://www.phoenixcontact.com/us/products/0803478>

Retaining plate for circumferentially securing lightweight marking materials



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## TOPMARK LASER-MAG SHEET - Magazine

0831836

<https://www.phoenixcontact.com/us/products/0831836>

Sheet magazine for TOPMARK LASER



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## WT-STEEL SH 4,6X150 - Cable tie

3240820

<https://www.phoenixcontact.com/us/products/3240820>



Cable binders, made from rust-free stainless steel (AISI 316), suitable for the harshest of ambient conditions (for example, salt water), with ball lock, for quick and secure bundling and fastening

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## WT-STEEL S 4,6X150 - Cable tie

3240807

<https://www.phoenixcontact.com/us/products/3240807>



Cable binders, made from rust-free stainless steel (AISI 304), suitable for harsh ambient conditions, with ball lock, for quick and secure bundling and fastening

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## TOPMARK LASER DE CH - Laser marker

0803285

<https://www.phoenixcontact.com/us/products/0803285>



Laser marker and MARKING NOTEBOOK with German operating system and German keyboard, incl. CLIP-PROJECT PROFESSIONAL software and installed drivers, user manual, sheet magazine, card magazine, and 230 V extraction unit

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## TOPMARK LASER RU RU - Laser marker

0803286

<https://www.phoenixcontact.com/us/products/0803286>



Laser marker and MARKING NOTEBOOK with Russian operating system and Russian keyboard, incl. CLIP-PROJECT PROFESSIONAL software and installed drivers, user manual, sheet magazine, card magazine, and 230 V extraction unit.

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## TOPMARK LASER SE SE - Laser marker

0803287

<https://www.phoenixcontact.com/us/products/0803287>



Laser marker and MARKING NOTEBOOK with Swedish operating system and Swedish keyboard, incl. CLIP-PROJECT PROFESSIONAL software and installed drivers, user manual, sheet magazine, card magazine, and 230 V extraction unit.

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## TOPMARK LASER DK DK - Laser marker

0803288

<https://www.phoenixcontact.com/us/products/0803288>



Laser marker and MARKING NOTEBOOK with Danish operating system and Danish keyboard, incl. CLIP-PROJECT PROFESSIONAL software and installed drivers, user manual, sheet magazine, card magazine, and 230 V extraction unit

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## TOPMARK LASER CN US - Laser marker

0803289

<https://www.phoenixcontact.com/us/products/0803289>



Laser marker and MARKING NOTEBOOK with Chinese operating system and American keyboard, incl. CLIP-PROJECT PROFESSIONAL software and installed drivers, user manual, sheet magazine, card magazine, and 230 V extraction unit

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## TOPMARK LASER PL US - Laser marker

0803290

<https://www.phoenixcontact.com/us/products/0803290>



Laser marker and MARKING NOTEBOOK with Polish operating system and American keyboard, incl. CLIP-PROJECT PROFESSIONAL software and installed drivers, user manual, sheet magazine, card magazine, and 230 V extraction unit

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### TOPMARK LASER FR FR - Laser marker

0803291

<https://www.phoenixcontact.com/us/products/0803291>



Laser marker and MARKING NOTEBOOK with French operating system and French keyboard, incl. CLIP-PROJECT PROFESSIONAL software and installed drivers, user manual, sheet magazine, card magazine, and 230 V extraction unit

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### TOPMARK LASER IT IT - Laser marker

0803292

<https://www.phoenixcontact.com/us/products/0803292>



Laser marker and MARKING NOTEBOOK with Italian operating system and Italian keyboard, incl. CLIP-PROJECT PROFESSIONAL software and installed drivers, user manual, sheet magazine, card magazine, and 230 V extraction unit



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## TOPMARK LASER ES ES - Laser marker

0803293

<https://www.phoenixcontact.com/us/products/0803293>



Laser marker and MARKING NOTEBOOK with Spanish operating system and Spanish keyboard, incl. CLIP-PROJECT PROFESSIONAL software and installed drivers, user manual, sheet magazine, card magazine, and 230 V extraction unit

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## TOPMARK LASER PT PT - Laser marker

0803295

<https://www.phoenixcontact.com/us/products/0803295>



Laser marker and MARKING NOTEBOOK with Portuguese operating system and Portuguese keyboard, incl. CLIP-PROJECT PROFESSIONAL software and installed drivers, user manual, sheet magazine, card magazine, and 230 V extraction unit

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## TOPMARK LASER US - Laser marker

0803297

<https://www.phoenixcontact.com/us/products/0803297>



Laser marker and MARKING NOTEBOOK with English operating system and English keyboard, incl. CLIP-PROJECT PROFESSIONAL software and installed drivers, user manual, sheet magazine, card magazine, and 120 V extraction unit

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