

# LS-WMTB-V4A (D25) - Cable marker



0831520

<https://www.phoenixcontact.com/us/products/0831520>

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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: 23 x 9.1 mm, Number of individual labels: 30



## 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                          | 0831520             |
| Packing unit                         | 5 pc                |
| Minimum order quantity               | 5 pc                |
| Sales key                            | BG19                |
| Product key                          | BG231D              |
| Catalog page                         | Page 191 (C-3-2019) |
| GTIN                                 | 4046356925303       |
| Weight per piece (including packing) | 103.4 g             |
| Weight per piece (excluding packing) | 103.4 g             |
| Customs tariff number                | 73269098            |
| Country of origin                    | CN                  |

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## Technical data

### Product properties

|              |                   |
|--------------|-------------------|
| Product type | Conductor marking |
| Type         | circular          |
| Type         | Laser sheet       |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 04 |
|------------------|----|

### Marking

|                             |                      |
|-----------------------------|----------------------|
| Number of individual labels | 30                   |
| Identification technology   | Direct laser marking |

### Dimensions

|                   |          |
|-------------------|----------|
| Width             | 25 mm    |
| Text field width  | 23.00 mm |
| Text field height | 9.10 mm  |
| Length            | 25 mm    |
| Hole diameter     | 5.30 mm  |
| Material strength | 0.50 mm  |

### External dimensions

|                  |                 |
|------------------|-----------------|
| Outside diameter | 1 mm ... 136 mm |
|------------------|-----------------|

### Material specifications

|            |                                          |
|------------|------------------------------------------|
| Color      | Steel/stainless steel color              |
| Material   | V4A (1.4404; AISI 316L)                  |
| Components | free from silicone, halogen, and cadmium |

### Cable/line

|                         |           |
|-------------------------|-----------|
| External cable diameter | > 2.90 mm |
|-------------------------|-----------|

### Environmental and real-life conditions

#### Test for substances that would hinder coating with paint or varnish

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

#### Test for substances that would hinder coating with paint or varnish

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

#### Scratch test for the determining scratch resistance

|               |                                       |
|---------------|---------------------------------------|
| Specification | DIN EN ISO 1518-1:2019-10 (following) |
| Requirements  | ≥ 5 N                                 |
| Result        | Test passed                           |

#### Tesafilm test

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|               |                                  |
|---------------|----------------------------------|
| Specification | DIN EN ISO 2409:2013 (following) |
| Result        | Test passed                      |

## 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                     |

## 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<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                                          |
| Ethanol (99 %)<br>[CAS No. 64-17-5]               | Test passed                                    |
| Acetone (99 %)<br>[CAS No. 67-64-1]               | Test passed                                    |
| IRM 901                                           | Test passed                                    |
| IRM 902                                           | Test passed                                    |

## 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

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|               |                           |
|---------------|---------------------------|
| 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) |
|-----------------|-----------------------------|

## 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 |
|----------|----------|

### 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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