# WMTB-AL (D30) CUS - Aluminum label

0830806

https://www.phoenixcontact.com/us/products/0830806

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Aluminum label, Aluminum label, can be ordered: Piece, labeled according to customer specifications, mounting type: Assembly with cable ties, cable diameter: > 2.4 mm, Number of individual labels: 1, text field height: 30 mm, text field width: 30 mm

## Product description

Note:
Due to the current challenges of the global procurement market, Phoenix Contact has unfortunately been forced to accept an aluminum alloy material quality that may cause the appearance to deviate from the homogenous surface quality that was previously expected. This has no impact on the quality of the aluminum labels themselves or the durability of the printing. The effect is purely visual.

## Your advantages

- Aluminum cable marking for assembly with cable ties
- High-quality appearance
- Suitable for large-surface marking of wires and cables, > 2.4 mm in diameter

## Commercial data

| | |
|---|---|
| Item number | 0830806 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | BG813B |
| GTIN | 4046356780827 |
| Weight per piece (including packing) | 1.872 g |
| Weight per piece (excluding packing) | 1.51 g |
| Country of origin | PL |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Conductor marker |

Marking

| | |
|---|---|
| Number of individual labels | 1 |
| Identification technology | UV LED technology |

### Dimensions

| | |
|---|---|
| Width | 30 mm |
| Length | 30 mm |

Text field

| | |
|---|---|
| Text field width | 30 mm |
| Text field height | 30 mm |

### Material specifications

| | |
|---|---|
| Color | aluminum color |
| Base element material | Aluminum |
| Components | free from silicone, halogen, and cadmium |

### Cable/line

| | |
|---|---|
| External cable diameter | > 2.40 mm |

### Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -25 °C ... 120 °C (> +80 °C slight changes of the material surface possible) |
| Recommended ambient temperature (storage/transport) | 5 °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 |
| Result | Test passed |

Tesafilm 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. |

Temperature resistance

| | |
|---|---|
| Specification | ANSI/UL 969-2018:03 (following) |
| Test duration | 240 h |
| Rating 150 °C (180 °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<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 |

Immersion in chemicals, oil & fuel

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

## Standards and regulations

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

## Mounting

| | |
|---|---|
| Mounting type | Assembly with cable ties |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27281102 |
| ECLASS-15.0 | 27281102 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC001530 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39131500 |

## Environmental product compliance

EU RoHS

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|---|---|
| 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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