

# EMP-AL (49X15) CUS - Aluminum label



0830800

<https://www.phoenixcontact.com/us/products/0830800>

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Aluminum label, can be ordered: Piece, aluminum color, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 49 x 15 mm, Number of individual labels: 1



## 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.

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 0830800                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | BG814B                         |
| Catalog page                         | Page 233 (C-5-2013)            |
| GTIN                                 | 4046356780278                  |
| Weight per piece (including packing) | 1.92 g                         |
| Weight per piece (excluding packing) | 1.92 g                         |
| Country of origin                    | PL                             |

## Technical data

### Product properties

|              |                       |
|--------------|-----------------------|
| Product type | Labeled device marker |
|--------------|-----------------------|

### Marking

|                                     |   |
|-------------------------------------|---|
| Number of individual labels         | 1 |
| Number of individual labels per row | 1 |

### 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

|               |                                  |
|---------------|----------------------------------|
| 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                           |

#### Temperature resistance

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Specification                       | ANSI/UL 969-2018:03 (following) |
| Test duration                       | 240 h                           |
| Rating 150 °C (180 °C)              | 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                     |
| Diesel<br>[CAS No. 68476-34-6]      | 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 |
|---------------|-------------------|

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|               |             |
|---------------|-------------|
| 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                      |

## High pressure test

|               |                   |
|---------------|-------------------|
| Specification | ISO 20653:2013-02 |
| Result        | Test passed       |

## 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 ... 25 °C  |
| Recommended humidity (storage/transport)            | 50 % (Storage in a dry and dark place in the original packaging is recommended) |
| Shelf life  | 2 years   |

## Mounting

|               |                             |
|---------------|-----------------------------|
| Mounting type | snapped into marker carrier |
|---------------|-----------------------------|

## Material specifications

|            |  |
|------------|--|
| Color      | aluminum color                           |
| Material   | Aluminum                                 |
| Components | free from silicone, halogen, and cadmium |

## Environmental and real-life conditions

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

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

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|--------|-------------|
| 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

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

### UV resistance

|               |                                |
|---------------|--------------------------------|
| Specification | ISO 4892-2:2013-03 (following) |
| Result        | Test passed                    |

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|               |      |
|---------------|------|
| Test duration | 96 h |
|---------------|------|

## Temperature resistance

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Specification                       | ANSI/UL 969-2018:03 (following) |
| Test duration                       | 240 h                           |
| Rating 150 °C (180 °C)              | Test passed                     |
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| Test duration                       | 168 h                           |
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| Acetone (99 %)<br>[CAS No. 67-64-1] | Test passed                     |
| Diesel<br>[CAS No. 68476-34-6]      | 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 |
| 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                      |

## High pressure test

|               |                   |
|---------------|-------------------|
| Specification | ISO 20653:2013-02 |
| Result        | Test passed       |

## 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 ... 25 °C  |
| Recommended humidity (storage/transport)            | 50 % (Storage in a dry and dark place in the original packaging is recommended) |
| Shelf life  | 2 years   |

## Dimensions

|        |       |
|--------|-------|
| Width  | 49 mm |
| Length | 15 mm |

## Standards and regulations

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

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27281106 |
| ECLASS-12.0 | 27281106 |
| ECLASS-13.0 | 27281106 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001530 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39131700 |
|-------------|----------|

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