

# EMSP-AL (75,6X54) - Equipment marking



0830503

<https://www.phoenixcontact.com/us/products/0830503>

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Equipment marking, Aluminum label, aluminum color, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, mounting type: screw, rivet, lettering field size: 75.6 x 54 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.

## Your advantages

- The markers can be marked quickly, easily, and cost-effectively with the BLUEMARK printing systems
- Aluminum equipment marking for screwing or riveting
- Identification made from metal, high strength in a lightweight design
- Increased durability due to the decoratively anodized surface

## Commercial data

Item number	0830503
Packing unit	15 pc
Minimum order quantity	15 pc
Sales key	BG18
Product key	BG241B
Catalog page	Page 296 (C-3-2019)
GTIN	4046356719018
Weight per piece (including packing)	10.598 g
Weight per piece (excluding packing)	9.369 g
Customs tariff number	76169990
Country of origin	DE

## Technical data

### Product properties

Product type	Device marking
Type	single without screws

### Marking

Number of individual labels	1
Number of individual labels per row	1
Number of bore holes	4
Identification technology	UV LED technology

### Mounting

Mounting type	screw, rivet
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### 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
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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

#### 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

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## Wipe resistance of inscriptions

Specification	DIN EN 61010-1 (VDE 0411-01):2020-03
	DIN EN 62208 (VDE 0660-511):2012-06 (in parts)
Isopropyl [CAS No. 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
Specification	ISO 175:2010 (following)
Test duration	168 h
Ethanol (99 %) [CAS No. 64-17-5]	Test passed
Acetone (99 %) [CAS No. 67-64-1]	Test passed
Diesel [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

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

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## Dimensions

Width	85.6 mm
Length	54 mm
Material strength	0.80 mm

## Standards and regulations

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

### ECLASS

ECLASS-11.0	27281103
ECLASS-12.0	27281103
ECLASS-13.0	27281103

### ETIM

ETIM 9.0	EC001288
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### UNSPSC

UNSPSC 21.0	39131500
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