

# EMP-AL (27X15) - Equipment marking



0830776

<https://www.phoenixcontact.com/in/products/0830776>

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Equipment marking, Aluminum label, aluminum color, unlabeled, can be labeled with: BLUEMARK ID, BLUEMARK ID COLOR, BLUEMARK CLED, mounting type: snapped, lettering field size: 27 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.

## Your advantages

- The markers can be marked quickly, easily, and inexpensively with the BLUEMARK CLED
- Aluminum equipment marking for snapping into marker carriers
- Identification made from metal, high strength in a lightweight design
- Increased durability due to the decoratively anodized surface

## Commercial data

Item number	0830776
Packing unit	90 pc
Minimum order quantity	90 pc
Sales key	BG2
Product key	BG241B
Catalog page	Page 297 (C-3-2019)
GTIN	4046356780193
Weight per piece (including packing)	1.02 g
Weight per piece (excluding packing)	1 g
Customs tariff number	76169990
Country of origin	DE

## Technical data

### Product properties

Product type	Device marking
Data management status	
Article revision	01
Marking	
Number of individual labels	1
Number of individual labels per row	1
Identification technology	UV LED technology

### Mounting

Mounting type	snapped
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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	27 mm
Text field width	27.00 mm
Text field height	15.00 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
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### UNSPSC

UNSPSC 21.0	39131700
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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## Accessories

### BLUEMARK ID - Printer

1003334

<https://www.phoenixcontact.com/in/products/1003334>



Monochrome printer with UV inkjet technology and integrated "MARKING system app" identification software. 7" touch color display for printing plastic labels in UC, UCT, US, and UM format, as well as metal labels.

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### BLUEMARK ID COLOR - Printer

1002329

<https://www.phoenixcontact.com/in/products/1002329>



CMYK multicolor printer with UV inkjet technology, with integrated "MARKING system app" identification software, 7" touch color display for printing plastic labels in UC, UCT, and UM format, as well as metal labels.

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## BM ID-CLEANING CARTR. - Cleaning cartridge

1044350

<https://www.phoenixcontact.com/in/products/1044350>



Replacement cleaning cartridge

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## BLUEMARK CLED-FLUID-CARTR. - Ink cartridge

5146662

<https://www.phoenixcontact.com/in/products/5146662>



Cartridge, for replacement, 20 ml UV color, black, including cleaning cartridge



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## BLUEMARK MAG EM-M (27X15) - Magazine

0802736

<https://www.phoenixcontact.com/in/products/0802736>

Magazine for BLUEMARK printer, to hold EMLP-AL (100x60) and EMSP-AL (90x60)



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## BLUEMARK CLED - Printer

5147999

<https://www.phoenixcontact.com/in/products/5147999>

Printers with LED-UV technology for printing plastic labels in UniCard format.



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