

# LS-EMLP (20X8) WH CUS - Device marker



0831971

<https://www.phoenixcontact.com/us/products/0831971>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Device marker, Sheet, white (RAL 9010), labeled according to customer specifications, mounting type: adhesive, Number of individual labels: 160, text field height: 8 mm, text field width: 20 mm



## Your advantages

- Stick-on device marking

## Commercial data

Item number	0831971
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	BG814D
GTIN	4046356931014
Weight per piece (including packing)	40 g
Weight per piece (excluding packing)	40 g
Country of origin	PL

## Technical data

### Product properties

Product type	Device marker
--------------	---------------

### Marking

Number of individual labels	160
Identification technology	Direct laser marking

### Dimensions

Width	20.00 mm
Height	7.90 mm
Depth	0.85 mm
Length	8 mm

### Text field

Text field width	20 mm
Text field height	8 mm

### Material specifications

Foil strength	800 µm
Adhesive strength	50 µm
Adhesive	Acrylic
Color	white (RAL 9010)
Material	ABS
Base element material	ABS
Components	free from silicone and halogen

### Environmental and real-life conditions

#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °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)

#### 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

#### 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

#### Scratch resistance

# LS-EMLP (20X8) WH CUS - Device marker



0831971

<https://www.phoenixcontact.com/us/products/0831971>

Specification	EN ISO 1518-1:2023 (following)
Requirements	≥ 5 N
Result	Test passed

## Tesa film 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.

## Weathering-resistance

Specification	DIN EN ISO 4892-2:2021-11
Result	Test passed
Test duration	6000 h
Procedure	A

## Temperature resistance

Specification	ANSI/UL 969-2018:03 (following)
Test duration	240 h

## 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 [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

## Immersion in chemicals, oil & fuel

Specification	ISO 175:2010 (following)
Test duration	168 h
Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2]	Test passed
Saltwater (saturated 350 g/l) [CAS No. - ]	Test passed
Diesel [CAS No. 68476-34-6]	Test passed
IRM 901	Test passed
IRM 902	Test passed
IRM 903	Test passed

0831971

<https://www.phoenixcontact.com/us/products/0831971>

## 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	adhesive
---------------	----------

0831971

<https://www.phoenixcontact.com/us/products/0831971>

## Classifications

### ECLASS

ECLASS-13.0	27281103
ECLASS-15.0	27281103

### ETIM

ETIM 10.0	EC001288
-----------	----------

### UNSPSC

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

0831971

<https://www.phoenixcontact.com/us/products/0831971>

## 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)