UC-EMLP (49X15)-EX - Plastic label

0803227

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Plastic label, Card, white (RAL 9010), unmarked, can be labeled with: BLUEMARK E.CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: adhesive, Number of individual labels: 4, text field height: 15 mm, text field width: 49 mm

Your advantages

- The markers, which are supplied in uniform sheets, can be printed onto quickly and easily using the BLUEMARK printing system
- The UC-EMLP ...-EX self-adhesive device markers have been specifically developed for marking various types of equipment in the Ex area
- The format automatically ensures printing with a high degree of positioning accuracy
- The wide temperature range means that the labels can be used in control cabinets as well as the field
- The sheets provide space for including function texts
- The marking requirements in terms of legibility, adhesion, and wipe resistance in potentially explosive areas (ATEX), according to IEC/EN 60079-0, can also be ensured following storage in typical gas atmospheres. Phoenix Contact developed these labels especially for process engineering, which is where these requirements typically arise
- These labels meet the requirements for wipe resistance in accordance with DIN EN 61010-1 against aggressive media such as acetone, ethanol, and MEK
- Thanks to the special surface and adhesive, the marker meets the demanding requirements of process engineering

Commercial data

Item number	0803227
Packing unit	10 pc
Minimum order quantity	10 pc
Product key	BG2617
GTIN	4046356938402
Weight per piece (including packing)	10.055 g
Weight per piece (excluding packing)	9.99 g
Country of origin	PL

Technical data

Product properties

Product type	Device marker
Product property	highly resistant to chemicals

Marking

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

Dimensions

Width	48.95 mm
Height	14.95 mm
Depth	1.15 mm

Text field

Text field width	49 mm
Text field height	15 mm

Material specifications

Adhesive strength	50 µm
Adhesive	Acrylic
Color	white (RAL 9010)
Material	PA
Flammability rating according to UL 94	V2
Base element material	PA
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	120 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 2
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 2
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 2
Components	free from silicone and halogen

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C
Recommended ambient temperature (storage/transport)	20 °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-A1-L: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.

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

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)

Standards

Standards/regulations	EN 45545-2

Mounting

Mounting type	adhesive

Classifications

ECLASS

ECLASS-13.0	27281103
ECLASS-15.0	27281103

ETIM

ETIM 10.0	EC001288

UNSPSC

UNSPSC 21.0	39131500

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%

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