

# EMLS (19X6)R SR CUS - Safety label with special adhesive



0830171

<https://www.phoenixcontact.com/us/products/0830171>

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.



Safety label with special adhesive, can be ordered: by line, silver, labeled according to customer specifications, mounting type: adhesive, lettering field size: 19 x 6 mm

## Your advantages

- The EMLS is a tamper-proof label that can be used as a rating plate or a sealing label
- When detaching, a part of the metallized layer separates. It leaves a triangular pattern on the label and substrate. The safety function is reliable up to 80°C
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences
- Labeling service: Phoenix Contact can custom-label all EMLS ... markers according to your requirements
- The EMLS ... materials are UL-listed

## Commercial data

Item number	0830171
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	BG8141
Catalog page	Page 289 (C-5-2013)
GTIN	4046356628020
Weight per piece (including packing)	1.99 g
Weight per piece (excluding packing)	1.99 g
Country of origin	PL

# EMLS (19X6)R SR CUS - Safety label with special adhesive



0830171

<https://www.phoenixcontact.com/us/products/0830171>

## Technical data

### Product properties

Product type	Labeled device marker
Product property	tamper-proof

### Marking

Number of individual labels per row	4
-------------------------------------	---

### 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

#### Tesa film 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 125 °C (150 °C)	Test passed

#### 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

# EMLS (19X6)R SR CUS - Safety label with special adhesive



0830171

<https://www.phoenixcontact.com/us/products/0830171>

Ethanol (99 %) [CAS No. 64-17-5]	Test passed
Specification	ISO 175:2010 (following)
Test duration	168 h
Ethanol (99 %) [CAS No. 64-17-5]	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

## Ambient conditions

Ambient temperature (operation)	-40 °C ... 150 °C (Functionality of the "triangle symbol" up to approx. +80°C )
Ambient temperature (assembly)	> 5 °C
Recommended ambient temperature (storage/transport)	10 °C ... 25 °C
Recommended humidity (storage/transport)	35 % ... 65 % (Storage in a dry and dark place in the original packaging is recommended)
Shelf life	12 months (see packaging date)

## Mounting

Mounting type	adhesive
---------------	----------

## Material specifications

Color	silver
Material	Polyester
Components	free from silicone and halogen

## 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

# EMLS (19X6)R SR CUS - Safety label with special adhesive



0830171

<https://www.phoenixcontact.com/us/products/0830171>

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

## Tesa film 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 125 °C (150 °C)	Test passed

## 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
Specification	ISO 175:2010 (following)
Test duration	168 h
Ethanol (99 %) [CAS No. 64-17-5]	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

## Ambient conditions

# EMLS (19X6)R SR CUS - Safety label with special adhesive



0830171

<https://www.phoenixcontact.com/us/products/0830171>

Ambient temperature (operation)	-40 °C ... 150 °C (Functionality of the "triangle symbol" up to approx. +80°C )
Ambient temperature (assembly)	> 5 °C
Recommended ambient temperature (storage/transport)	10 °C ... 25 °C
Recommended humidity (storage/transport)	35 % ... 65 % (Storage in a dry and dark place in the original packaging is recommended)
Shelf life	12 months (see packaging date)

## Dimensions

Width	19 mm
Length	6.3 mm

## Standards and regulations

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

# EMLS (19X6)R SR CUS - Safety label with special adhesive



0830171

<https://www.phoenixcontact.com/us/products/0830171>

## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC001288
----------	----------

### UNSPSC

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

Phoenix Contact 2024 © - 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)