

# EMLF (108XE)R RD - Label, highly flexible



0804198

<https://www.phoenixcontact.com/us/products/0804198>

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.



Label, highly flexible, Roll, red (RAL 3001), unmarked, can be labeled with: THERMOMARK E. 300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 1, roll length: 48 m, text field height: 108 mm, text field width: 48000 mm

## Your advantages

- EMLF labels consists of soft, highly flexible PVC film that molds itself to uneven surfaces
- Outdoor-durable for up to 8 years when subject to a temperature range of -40 °C ... 90 °C
- Extremely high-quality appearance
- 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 EMLF ... markers according to your requirements

## Commercial data

Item number	0804198
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BG16
Product key	BG2411
GTIN	4055626234717
Weight per piece (including packing)	1,321 g
Weight per piece (excluding packing)	1,331.3 g
Customs tariff number	39199080
Country of origin	BE

# EMLF (108XE)R RD - Label, highly flexible



0804198

<https://www.phoenixcontact.com/us/products/0804198>

## Technical data

### Product properties

Product type	Device marker
Product property	Highly flexible

### Marking

Number of individual labels	1
Number of individual labels per row	1
Identification technology	Thermal transfer

### Dimensions

Length of roll	48.00 m
Height	108 mm
Depth	0.07 mm

### Text field

Text field width	48000 mm
Text field height	108 mm

### Material specifications

Foil strength	60 µm
Adhesive strength	25 µm
Adhesive	Acrylic
Color	red (RAL 3001)
Material	PVC
Base element material	PVC
Components	Silicone-free

### Environmental and real-life conditions

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 100 °C
Recommended ambient temperature (storage/transport)	22 °C
Recommended humidity (storage/transport)	50 % ... 55 % (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

# EMLF (108XE)R RD - Label, highly flexible



0804198

<https://www.phoenixcontact.com/us/products/0804198>

## 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.

## Temperature storage

Specification	IEC 60068-2-2:2007-07
Result	Test passed
Procedure	Test Bb
Duration	96 h
Temperature for testing	120 °C

## Temperature resistance

Specification	ANSI/UL 969-2018:03 (following)
Test duration	240 h
Rating 100 °C (121 °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)
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
Saltwater (saturated 350 g/l) [CAS No. - ]	Test passed
Diesel [CAS No. 68476-34-6]	Test passed
IRM 901	Test passed

# EMLF (108XE)R RD - Label, highly flexible



0804198

<https://www.phoenixcontact.com/us/products/0804198>

IRM 902	Test passed
IRM 903	Test passed

## Testing in a condensation changing climate in the presence of sulfur dioxide

Specification	DIN EN ISO 22479:2022-08
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

## Mounting

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

# EMLF (108XE)R RD - Label, highly flexible



0804198

<https://www.phoenixcontact.com/us/products/0804198>

## Classifications

### ECLASS

ECLASS-13.0	27281103
ECLASS-15.0	27281103

### ETIM

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

### UNSPSC

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

# EMLF (108XE)R RD - Label, highly flexible



0804198

<https://www.phoenixcontact.com/us/products/0804198>

## 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)