

# MACX-MR-C-10-PT - Monitoring relay



1336512

<https://www.phoenixcontact.com/us/products/1336512>

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.



Current monitoring relay, 24 V AC/DC ... 240 V AC/DC wide range power supply, with adjustable threshold values, response delay, and the functions can be selected by configuration.

## Commercial data

Item number	1336512
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C443
Product key	CK4721
GTIN	4063151636784
Weight per piece (including packing)	197.2 g
Weight per piece (excluding packing)	195 g
Customs tariff number	85364900
Country of origin	CN

# MACX-MR-C-10-PT - Monitoring relay



1336512

<https://www.phoenixcontact.com/us/products/1336512>

## Technical data

### Product properties

Product type	Current monitoring relay
Operating mode	Closed circuit or wire break

### Insulation characteristics: Railway standard

Overvoltage category	III
Pollution degree	3

### Electrical properties

Service life electrical	approx. $1 \times 10^5$ cycles, resistive load 2000 V A
Maximum power dissipation for nominal condition	15 W
Mains type	1-phase

### Railway standard

Rated insulation voltage	600 V
--------------------------	-------

### Electrical isolation

Electrical isolation	300 V
----------------------	-------

### Supply

Supply voltage range	24 V ... 240 V AC -15 % ... +10 %
	24 V ... 240 V DC -25 % ... +30 %
Nominal power consumption	15 VA (1.5 W)

### Input data

Input name	Measuring input
Measured value	DC, AC sine (40 Hz ... 500 Hz)
Input current range	0 A AC/DC ... 10 A AC/DC
Overload capacity	15 A AC/DC
Input resistance current input	5 m $\Omega$
Frequency range	48 Hz ... 400 Hz
Maximum temperature coefficient	0.05 %/K
Setting range for response delay	0 s ... 99.9 s
Function	Undercurrent
	Overcurrent
	Window
Basic accuracy	1 % (>1A, $\pm 10$ mA (0...1A))
Repeat accuracy	0.5 %
Recovery time	200 ms

### Output data

#### Switching

Contact switching type	2 floating changeover contacts
------------------------	--------------------------------

# MACX-MR-C-10-PT - Monitoring relay



1336512

<https://www.phoenixcontact.com/us/products/1336512>

Maximum switching voltage	250 V AC
Interrupting rating (ohmic load) max.	2000 VA (8 A/250 V AC)
Output fuse	8 A (fast-blow)

## Connection data

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 14
Tightening torque	0.5 Nm ... 0.6 Nm (5 lb in ... 7 lb in)

## Dimensions

Width	22.5 mm
Height	109 mm
Depth	114 mm

## Material specifications

Flammability rating according to UL 94	V0
Housing insulation material	PBT

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP40 (Housing) IP20 (Connection terminal blocks)
Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 %

## Approvals

### CE

Identification	CE-compliant
----------------	--------------

### UL, USA/Canada

Identification	UL/C-UL Listed UL 508
----------------	-----------------------

### CCC

Identification	GB/T 14048.5
----------------	--------------

### Electronic devices in rail vehicles

Operating temperature class	OT4
Class of extended operating temperature upon activation	ST2
Temperature change class	H1
Interruption of the power supply/supply changeover	S2 S3/C1

# MACX-MR-C-10-PT - Monitoring relay



1336512

<https://www.phoenixcontact.com/us/products/1336512>

	C2
Hazard levels	HL1
	HL2
	HL3
Protective coating	PC2
Shock (operation)	Category 1
Vibration (operation)	Class B

## EMC data

Low Voltage Directive	Conformance with Low Voltage Directive
Noise immunity	EN 61000-6-2
Electromagnetic compatibility	Conformance with EMC directive
Noise emission	EN 61000-6-4

## Standards and regulations

### Railway standard

Standard designation	EN 50155, GB/T 25119
----------------------	----------------------

## Mounting

Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Mounting position	any

# MACX-MR-C-10-PT - Monitoring relay



1336512

<https://www.phoenixcontact.com/us/products/1336512>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1336512>



CCC

Approval ID: 2022000303000015

# MACX-MR-C-10-PT - Monitoring relay



1336512

<https://www.phoenixcontact.com/us/products/1336512>

## Classifications

### ECLASS

ECLASS-11.0	27371802
ECLASS-13.0	27371802
ECLASS-12.0	27371802

### ETIM

ETIM 9.0	EC001440
----------	----------

# MACX-MR-C-10-PT - Monitoring relay



1336512

<https://www.phoenixcontact.com/us/products/1336512>

## Environmental product compliance

REACH SVHC

Lead 7439-92-1

Phoenix Contact 2023 © - 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)