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Monitoring relay for monitoring single-phase currents of 0 ... 5 A AC or 0 ... 10 A AC, overcurrent/undercurrent or window, 1 PDT, with push-in connection

#### Product description

Safety and system availability requirements are constantly on the increase – across all industries. Processes are becoming more and more complex, not only in machine building and the chemical industry but also in building technology. The demands placed on energy technology are also constantly on the rise.

It is only by continuously monitoring key network and system parameters that error-free and therefore cost-effective operation can be achieved. Electronic monitoring relays from the EMD series are available for a wide range of monitoring tasks so that the consequences of errors can be avoided or kept within limits.

The operating states are signaled via color LEDs and any errors that occur can be sent to a controller via a floating contact or can shut down a section of the system. All device versions are equipped with response delays so that measured values outside the set monitoring range can be briefly tolerated.





### Key commercial data

Packing unit	11
Custom tariff number	85364900
Country of origin	Austria

#### Technical data

#### Dimensions

Width	17.5 mm
Height	88 mm
Depth	65.5 mm

### Ambient conditions

Ambient temperature (operation)	-25 °C 55 °C
Ambient temperature (storage/transport)	-25 °C 70 °C
Degree of protection	IP40 (housing) / IP20 (connection terminal blocks)

#### Connection data

Connection method	Push-in connection



# Technical data

### Connection data

Conductor cross section solid min.	0.14 mm²	
Conductor cross section solid max.	2.5 mm²	
Conductor cross section stranded min.	0.14 mm²	
Conductor cross section stranded max.	2.5 mm <sup>2</sup>	
Conductor cross section AWG/kcmil min.	26	
Conductor cross section AWG/kcmil max	14	
Stripping length	8 mm	

## General

Status display	Yellow LED	
Surge voltage category	III, 300 V basic insulation (DIN EN 60947-5-1)	
Rated insulation voltage	300 V (Supply circuit (DIN EN 60947-5-1))	
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC	
Noise emission	EN 61000-6-3	
Noise immunity	EN 61000-6-2	
Color	gray	
Mounting position	Any	
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715	
Conformance	CE-compliant CE-compliant	

## Classifications

## eCl@ss

eCl@ss 4.0	27371105
eCl@ss 4.1	27371105
eCl@ss 5.0	27371810
eCl@ss 5.1	27371810
eCl@ss 6.0	27371810
eCl@ss 7.0	27371810
eCl@ss 8.0	27371810

## **ETIM**

ETIM 3.0	EC001446
ETIM 4.0	EC001446
ETIM 5.0	EC001446

## UNSPSC

UNSPSC 6.01	30211916



# Classifications

# UNSPSC

UNSPSC 7.0901	39121535
UNSPSC 11	39121535
UNSPSC 12.01	39121535
UNSPSC 13.2	39121535

Approvals
Approvals
Approvals
UL Listed / cUL Listed / cULus Listed
Ex Approvals
Approvals submitted
Approval details
UL Listed (II)

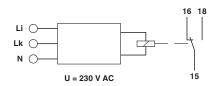
cUL Listed •			

cULus Listed • 🕕 😘			

Drawings



## Block diagram



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