

Monitoring relay - EMD-BL-C-10 - 2903521

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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 screw 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	1 STK
GTIN	 4 046356 747257
GTIN	4046356747257

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	Screw connection
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Technical data

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	2.5 mm ²
Stripping length	8 mm

General

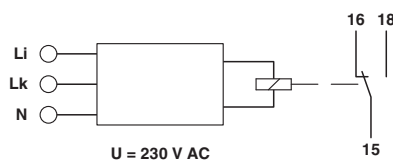
Status display	Yellow LED
Overvoltage category	III, 300 V basic insulation (DIN EN 60947-5-1)
Rated insulation voltage	300 V (Supply circuit (DIN EN 60947-5-1))
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 61000-6-3
Noise immunity	EN 61000-6-2
Color	gray
Mounting position	any
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Conformance	CE-compliant
UL, USA/Canada	UL/C-UL listed UL 508

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 61000-6-3
Noise immunity	EN 61000-6-2
Low Voltage Directive	Conformance with Low Voltage Directive 2006/95/EC (valid until 2016-04-19) / 2014/35/EU (valid from 2016-04-20)
Conformance	CE-compliant
UL, USA/Canada	UL/C-UL listed UL 508

Drawings

Block diagram



Approvals

Approvals

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Approvals

Approvals

UL Listed / cUL Listed / EAC / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 172140

cUL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 172140

EAC



EAC-Zulassung

EAC



RU C-
DE.A*30.B.01082

cULus Listed



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