Monitoring relay - EMD-BL-PH-480 - 2903527

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Monitoring relay for monitoring the phase sequence and asymmetry of 3-phase voltages at 208 ... 480 V AC/120 ... 277 V AC, configurable asymmetry, 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	
GTIN	4046356747233
Weight per Piece (excluding packing)	80.000 g
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

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Technical data

Connection data

Connection method	Screw connection
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	2.5 mm²
Stripping length	8 mm

General

| Status display	Yellow LED
Overvoltage category	III, 300 V basic insulation (DIN EN 60947-5-1)
Rated insulation voltage	519 V (Supply circuit/measuring 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

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Block diagram
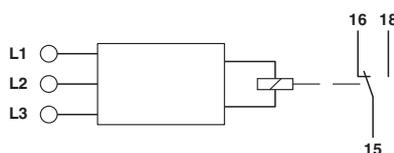
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Classifications

eCl@ss

eCl@ss 5.1	27371800
eCl@ss 6.0	27371800
eCl@ss 7.0	27371803
eCl@ss 8.0	27371803
eCl@ss 9.0	27371803

ETIM

ETIM 4.0	EC001441
ETIM 5.0	EC001441
ETIM 6.0	EC001441

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121535
UNSPSC 11	39121535
UNSPSC 12.01	39121535
UNSPSC 13.2	39121106

Approvals

Approvals

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UL Listed / cUL Listed / 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			RU C-DE.A*30.B.01082

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Approvals

cULus Listed	c (UL) us LISTED