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 pc
GTIN	4 046356 747233
Weight per Piece (excluding packing)	853.2 g
Weight per piece (including packing)	83.2 g
Custom tariff number	85364900
Country of origin	Austria
Sales Key	J1 - MSR Technology

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

Ambient conditions

Degree of protection	IP40 (housing) / IP20 (connection terminal blocks)

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/kcmil min.	20
Conductor cross section AWG/kcmil max	14
Conductor cross section stranded min.	0.5 mm²
Conductor cross section stranded max.	2.5 mm²
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	519 V (Supply circuit/measuring 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

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

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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

cUL Listed

cULus Listed

Drawings

Block diagram