

Monitoring relay - EMD-BL-3V-400 - 2903525

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Monitoring relay for monitoring 3-phase voltages of 400 V AC $\pm 30\%$, window or window with phase sequence, 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 1 |
| Weight per Piece (excluding packing) | 80.0 GRM |
| 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

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Technical data

Connection data

| | |
|--|---------------------|
| Connection method | Screw connection |
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section stranded min. | 0.5 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section AWG/kcmil min. | 20 |
| 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 | 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 |

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Classifications

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211916 |
| 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

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Block diagram

