

## Monitoring relay - EMD-BL-V-230 - 2903523

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Monitoring relay for monitoring 1-phase voltages of 24 V AC/DC or 230 V AC, undervoltage 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 747271
GTIN	4046356747271
Weight per Piece (excluding packing)	80.100 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 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
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/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
UL, USA/Canada	UL/C-UL listed UL 508

### Standards and Regulations

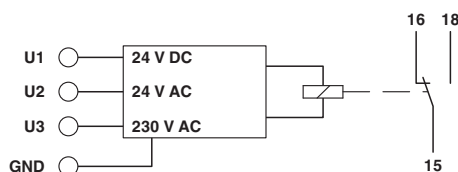
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 61000-6-3
Noise immunity	EN 61000-6-2
Low Voltage Directive	Conformance with LV directive 2006/95/EC
Conformance	CE-compliant
UL, USA/Canada	UL/C-UL listed UL 508

### 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 5.0	27371801
eCl@ss 5.1	27371800
eCl@ss 6.0	27371800
eCl@ss 7.0	27371801
eCl@ss 8.0	27371801
eCl@ss 9.0	27371801

### ETIM

ETIM 2.0	EC001438
ETIM 3.0	EC001438
ETIM 4.0	EC001438
ETIM 5.0	EC001438
ETIM 6.0	EC001438

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121535
UNSPSC 11	39121535
UNSPSC 12.01	39121535
UNSPSC 13.2	41113620

## Approvals

### Approvals


#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

#### Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 172140
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 172140
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### Approvals

EAC		RU C- DE.A*30.B.01082
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cULus Listed		
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