

# UM-8RM/MR-G24/1/SI/PLC - Termination board



2902371

<https://www.phoenixcontact.com/us/products/2902371>

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8-channel VARIOFACE module, with screw connection and 20-pos. flat-ribbon cable connector, status indicator per channel, for connecting I/O card DO810, DO840

## Commercial data

Item number	2902371
Packing unit	1 pc
Minimum order quantity	10 pc
Product key	DK2A91
GTIN	4046356660174
Weight per piece (including packing)	626 g
Weight per piece (excluding packing)	626 g
Country of origin	DE

## Technical data

### Product properties

Product type	Interface module
Insulation characteristics: Air clearances and creepage distances, input/output	
Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Air clearances and creepage distances, input/output	
Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (1.2/50 µs)

### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Input voltage range	19.2 V DC ... 26.4 V DC
Typical input current at $U_N$	10 mA
Typical response time	5 ms
Typical release time	6 ms
Protective circuit	Freewheeling diode
Status display/channel	Yellow LED

### Output data

Switching	
Note	Jumper in the contact relay
Contact switching type	Single contact, 1 N/O contact
Maximum switching voltage	24 V AC/DC
Nominal supply voltage	24 V DC

### Connection data

Supply	
Connection method	Screw connection
Number of positions	6
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

Controller level	
Connection in acc. with standard	IEC 60603-13
Connection method	Flat-ribbon cable connection

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Number of connections	1
Number of positions	20

## Field level

Connection method	Screw connection
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

## Dimensions

Width	116 mm
Height	128 mm
Depth	90 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 50 °C
Altitude	≤ 2000 m

## Standards and regulations

### Air clearances and creepage distances, input/output

Standards/regulations	DIN EN 50178: 1998-04
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## Mounting

Mounting type	DIN rail mounting
Mounting position	any

## Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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