

# UM- 8 RM-S-G24/21/PLC-MSTB - Active module



2311030

<https://www.phoenixcontact.com/us/products/2311030>

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Relay module, with 8 miniature relays, one changeover contact each, plugged in, for 24 V DC (incl. relay)

## Commercial data

Item number	2311030
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C429
Product key	DK2A91
GTIN	4046356134958
Weight per piece (including packing)	505.1 g
Weight per piece (excluding packing)	505 g
Customs tariff number	85389099
Country of origin	DE

## Technical data

### 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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### Product properties

Product type	Relay Module
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#### Insulation characteristics: Air clearances and creepage distances, input/output

Insulation	Reinforced insulation
Overvoltage category	III
Pollution degree	2

#### Insulation characteristics: Air and creepage distances, output/output

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

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

Rated insulation voltage	260 V
Rated surge voltage	6 kV (1.2/50 $\mu$ s)

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

Rated insulation voltage	260 V
Rated surge voltage	2.3 kV (1.2/50 $\mu$ s)

### Input data

Nominal input voltage $U_N$	24 V DC ( $\pm 10$ %)
Typical input current at $U_N$	200 mA (200 mA supply / $\leq 20$ mA input current per signal)

### Output data

#### Switching

Contact switching type	Single contact, 1 changeover contact
Maximum switching voltage	150 V AC/DC (Maximum switching voltage of 230 V AC: the maximum switching voltage of 230 V is only permitted if the same fuse circuit is used. The outputs are not suitable for switching different outer conductors.)
Limiting continuous current	4 A

### Connection data

#### Controller level

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Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	14

## Field level

Connection method	Screw connection
Number of connections	1
Number of positions	12
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 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

## Supply

Connection method	Screw connection
Number of connections	1
Number of positions	2
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 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

## DEROG

Connection method	Screw connection
Number of connections	1
Number of positions	3
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 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	61 mm
Height	126 mm
Depth	146 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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## Air and creepage distances, output/output

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

Mounting type	DIN rail mounting
Mounting position	any

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2311030>



**EAC**

Approval ID: RU\*DE\*08.B.01841/19

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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	EC002780
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	90b00a4a-de71-45f3-9f97-0b9b56758dd0

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