

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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.
--------------------	--

### Product properties

Product type	Relay Module
With components	yes

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

Insulation	Reinforced insulation
Oversupply category	III
Pollution degree	2

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

Insulation	Functional insulation
Oversupply 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 µs)

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

Rated insulation voltage	260 V
Rated surge voltage	2.3 kV (1.2/50 µs)

### 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

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

2311030

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



## Controller level

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

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

2311030

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



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

Air and creepage distances, output/output

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

## Mounting

Mounting type	DIN rail mounting
Mounting position	any

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

2311030

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



## 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

## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 9.0	EC002780
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

## 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

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

### Phoenix Contact USA

586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)