

## RSM

### RSM-16 48V- 1CO Z

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



Similar to illustration

Relay bases (RSM) with common positive and negative to be connected to PLC or other type of controllers. The interfaces are made up of groups of 4, 8 or 16 RCL relays (12.7 mm) or RSS (6.1 mm). The connection to the controller can be set up using pluggable connectors or using direct cabling with IEC 60603-13 connectors. Wide range of options:

- 1 or 2 CO contacts with 16/8/6 A relays
- Voltages from 5 to 230 V
- Screw, tension clamp or PUSH IN connection
- Compatible with Weidmüller's solid-state relays

The range of relays provides galvanic isolation between input/output as well as between the adjacent contacts on the relays. This enables the various voltages in the controllers and those required by the various field elements to be safely adapted.

#### General ordering data

Type	RSM-16 48V- 1CO Z
Order No.	<a href="#">1448350000</a>
Version	Interface, RSM, PUSH IN
GTIN (EAN)	4050118252910
Qty.	1 pc(s).

**RSM**  
**RSM-16 48V- 1CO Z**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data****Dimensions and weights**

Length	259 mm	Length (inches)	10.197 inch
Width	87 mm	Width (inches)	3.425 inch
Height	66 mm	Height (inches)	2.598 inch
Net weight	553.798 g		

**Temperatures**

Operating temperature, max.	50 °C	Operating temperature, min.	-25 °C
Storage temperature, max.	60 °C	Storage temperature, min.	-40 °C
Operating temperature	-25...50 °C	Storage temperature	-40...60 °C

**General data**

LED status display per relay	green	LED status of the supply voltage	yellow
------------------------------	-------	----------------------------------	--------

**Connection data**

Connection on control side	LMFS 5.08 + plug-in connectors in acc. with IEC60603-13 / DIN41651, 20-pin	Connection (field side)	LMFS 5.08 mm
----------------------------	--	-------------------------	--------------

**Rating data**

Mechanical service life	30 x 10 <sup>6</sup> switching cycles
-------------------------	---------------------------------------

**Ratings data input**

Input voltage	48 V DC ± 10%	Input current	8.7 mA
---------------	---------------	---------------	--------

**Ratings data output**

Relay type	RCL	Type of output	Potential-free contact
Contact material	AgNi 90/10	Rated voltage (text)	≤ 250 V AC
Max. AC continuous current	6 A	Minimum contact current	0.1 A
Minimum contact voltage	5 V		

**Insulation coordination (EN50178)**

Pollution severity level	2	Pulse voltage test (1,2/50µs)	6 kV
Insulation test voltage	1.2 kVAC		

**Insulation coordinates (EN50178)**

Rated input insulation voltage	< 50 V AC	Rated output insulation voltage	250 V AC
Overvoltage category input/output	III	Overvoltage category output/output	II
Pollution severity level	2	Pulse voltage test (1,2/50µs)	6 kV
Insulation test voltage	1.2 kVAC	Clearance input/output	≥ 5.5 mm

**Data sheet**

**RSM  
RSM-16 48V- 1CO Z**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data**

**Connection field**

Type of connection	PUSH IN	Clamping range, min.	0.12 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.12 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.02 mm <sup>2</sup>
Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>	Flexible with sleeve, max.	2.5 mm <sup>2</sup>
Min. wire cross-section, AWG	AWG 26	Max. wire cross-section, AWG	AWG 12
Stripping length	10 mm		

**Classifications**

ETIM 6.0	EC002780	ETIM 7.0	EC002780
eClass 9.0	27-14-11-52	eClass 9.1	27-24-22-16
eClass 10.0	27-14-11-52		

**Approvals**

Approvals



ROHS Conform

**Downloads**

Brochure/Catalogue [CAT 4.5 ELECTR 16/17 EN](#)

**RSM  
RSM-16 48V- 1CO Z**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Drawings**

