

RSM
RSM-16 115VAC/DC 2CO S**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

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 115VAC/DC 2CO S
Order No.	1449330000
Version	Interface, RSM, Screw connection
GTIN (EAN)	4050118253238
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Length	290 mm	Length (inches)	11.417 inch
Width	109 mm	Width (inches)	4.291 inch
Height	71 mm	Height (inches)	2.795 inch
Net weight	883.348 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

Connection data

Connection on control side LP 5.08 mm Connection (field side) LP2N 5.08mm

Rating data

Mechanical service life 30 x 10⁶ switching cycles

Ratings data input

Input voltage 115 VAC/DC ± 10% Input current AC 3.3 mA / DC 4.8 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	5 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
Overtoltage category input/output	III	Overtoltage category output/output	III
Pollution severity level	2	Pulse voltage test (1,2/50µs)	6 kV
Insulation test voltage	1.2 kVAC	Clearance input/output	≥ 5.5 mm

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Technical data
Connection field

Type of connection	Screw connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	6 mm ²	Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	6 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²	Flexible with sleeve, max.	2.5 mm ²
Flexible with sleeve, min.	0.5 mm ²	Sleeve with plastic collar, max.	2.5 mm ²
Min. wire cross-section, AWG	AWG 26	Max. wire cross-section, AWG	AWG 12
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Stripping length	6 mm		

Classifications

ETIM 4.0	EC000237	ETIM 5.0	EC002780
ETIM 6.0	EC002780	eClass 6.2	27-14-11-52
eClass 7.1	27-14-11-52	eClass 8.1	27-14-11-52
eClass 9.0	27-14-11-52	eClass 9.1	27-24-22-16

Approvals

Approvals



ROHS

Conform

Downloads

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

Data sheet

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Drawings

