

## RSM

### RSM-8 115VAC/DC 2CO Z

**Weidmüller Interface GmbH & Co. KG**

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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-8 115VAC/DC 2CO Z
Order No.	<a href="#">1449070000</a>
Version	Interface, RSM, Tension clamp connection
GTIN (EAN)	4050118253801
Qty.	1 pc(s).

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

Length	149 mm	Length (inches)	5.866 inch
Width	109 mm	Width (inches)	4.291 inch
Height	66 mm	Height (inches)	2.598 inch
Net weight	413.273 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
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**Connection data**

Connection on control side	LMZF	Connection (field side)	LM2NZF 5.08mm
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**Rating data**

Mechanical service life	30 x 10 <sup>6</sup> switching cycles
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**Ratings data input**

Input voltage	115 VAC/DC ± 10%	Input current	AC 3.3 mA / DC 4.8 mA
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**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

**Connection field**

Type of connection	Tension clamp connection	Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>	Flexible with sleeve, max.	1.5 mm <sup>2</sup>
Min. wire cross-section, AWG	AWG 26	Max. wire cross-section, AWG	AWG 14
Stripping length	7 mm		

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**Data sheet**

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**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](#)

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**Drawings**

