

## RSM

### RSM-8H 24V- 1CO Z

**Weidmüller Interface GmbH & Co. KG**  
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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-8H 24V- 1CO Z
Order No.	<a href="#">1464810000</a>
Version	Interface, RSM, PUSH IN
GTIN (EAN)	4050118271584
Qty.	1 pc(s).

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

Length	130 mm	Length (inches)	5.118 inch
Width	87 mm	Width (inches)	3.425 inch
Height	62 mm	Height (inches)	2.441 inch
Net weight	244.968 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	Fuse per relay	No
LED status of the supply voltage	yellow	Power supply fuse	No

**Connection data**

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

**Rating data**

Mechanical service life	3 x 10 <sup>7</sup> switching cycles
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**Ratings data input**

Input voltage	24 V DC ± 10%	Input current	16.7 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	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
Overtoltage category input/output	III	Overtoltage 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

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**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		

**Supply connection**

Clamping range, min.	0.12 mm <sup>2</sup>	Clamping range, max.	2.5 mm <sup>2</sup>
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**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](#)

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**Drawings**

