

RSM

RSMS-16 24VUC AU 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	RSMS-16 24VUC AU 1CO Z
Order No.	1457220000
Version	Interface, RSM, Tension-clamp connection
GTIN (EAN)	4050118263428
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Length	112 mm	Length (inches)	4.409 inch
Width	109 mm	Width (inches)	4.291 inch
Height	76 mm	Height (inches)	2.992 inch
Net weight	282 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)	LM3RZF 5.08
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Rating data

Mechanical service life	5 x 10 ⁶ switching cycles
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Ratings data input

Input voltage	24 V AC ± 10%, 24 V DC ± 10%	Input current	6 mA, 15.6 mA
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Ratings data output

Relay type	RSS	Type of output	Potential-free contact
Contact material	AgNi 5µm Au	Rated voltage (text)	≤ 250 V AC
Max. AC continuous current	4.5 A	Minimum contact current	100 mA
Minimum contact voltage	1 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

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Connection field

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

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Drawings

