

RSM

RSM-16 12V+ 1CO Z

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

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Germany

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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-16 12V+ 1CO Z
Order No.	1448250000
Version	Interface, RSM, PUSH IN
GTIN (EAN)	4050118252743
Qty.	1 pc(s).

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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	551 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
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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
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Rating data

Mechanical service life	30 x 10 ⁶ switching cycles
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Ratings data input

Input voltage	12 V DC ± 10%	Input current	33 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
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	PUSH IN	Clamping range, min.	0.12 mm ²
Clamping range, max.	2.5 mm ²	Solid, min. H05(07) V-U	0.12 mm ²
Solid, max. H05(07) V-U	2.5 mm ²	Flexible, min. H05(07) V-K	0.02 mm ²
Flexible, max. H05(07) V-K	2.5 mm ²	Flexible with sleeve, max.	2.5 mm ²
Min. wire cross-section, AWG	AWG 26	Max. wire cross-section, AWG	AWG 12
Stripping length	10 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

