

RSM-16 24V- 1CO Z

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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

Version	Interface, RSM, PUSH IN
Order No.	1448310000
Type	RSM-16 24V- 1CO Z
GTIN (EAN)	4050118252903
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	66 mm	Depth (inches)	2.598 inch
Height	87 mm	Height (inches)	3.425 inch
Width	259 mm	Width (inches)	10.197 inch
Net weight	521.798 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
Operating temperature, min.	-25 °C	Operating temperature, max.	50 °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 (field side)	LMFS 5.08 mm	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651
Number of poles (control side)	20-pole plug		

Rating data

Mechanical service life	30 x 10 ⁶ 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	≤ 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
Oversvoltage category input/output	III	Oversvoltage 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**

Clamping range, max.	2.5 mm ²	Clamping range, min.	0.12 mm ²
Flexible with sleeve, max.	2.5 mm ²	Flexible, max. H05(07) V-K	2.5 mm ²
Flexible, min. H05(07) V-K	0.02 mm ²	Max. wire cross-section, AWG	AWG 12
Min. wire cross-section, AWG	AWG 26	Solid, max. H05(07) V-U	2.5 mm ²
Solid, min. H05(07) V-U	0.12 mm ²	Stripping length	10 mm
Type of connection	PUSH IN		

Supply connection

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	0.2 mm ²
Solid, max. H05(07) V-U	2.5 mm ²	Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	2.5 mm ²	Flexible with sleeve, max.	2.5 mm ²
Flexible with sleeve, min.	0.25 mm ²	Ferrule with plastic collar, max.	2.5 mm ²
Wire cross-section, min. AWG	AWG 26	Wire cross-section, max. AWG	AWG 12
Stripping length	10 mm		

Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	EC002780	ECLASS 9.0	27-14-11-52
ECLASS 9.1	27-24-22-16	ECLASS 10.0	27-14-11-52
ECLASS 11.0	27-14-11-52	ECLASS 12.0	27-14-11-52

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1 4,4'-isopropylidenediphenol 80-05-7
SCIP	66e752f3-a24f-4fef-89c4-f29f52d01390

Approvals

Approvals



ROHS Conform

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Approval/Certificate/Document of Conformity	Declaration of Conformity
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

