

RSM-16 24VAC/DC 2CO 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

General ordering data	
Version	Interface, RSM, Tension-clamp connection
Order No.	1449320000
Type	RSM-16 24VAC/DC 2CO Z
GTIN (EAN)	4050118253085
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Height	66 mm	Height (inches)	2.598 inch
Length	290 mm	Length (inches)	11.417 inch
Net weight	767.748 g	Width	109 mm
Width (inches)	4.291 inch		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
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General data

LED status display per relay	green
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Connection data

Connection (field side)	Connection on control side	LMZF 5.08 + plug-in connector in acc. with IEC60603-13 / DIN41651, 20-pin
	LM2NZF 5.08mm	

Rating data

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

Input voltage	24 V AC $\pm$ 10%, 24 V DC $\pm$ 10%	Input current	DC 22.9 mA / AC 13.9 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)	$\leq$ 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 (1,2/50 μ s)	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	III
Pollution severity level	2	Pulse voltage test (1,2/50 μ s)	6 kV
Insulation test voltage	1.2 kVAC	Clearance input/output	$\geq$ 5.5 mm

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Technical data**Connection field**

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

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	ECLASS 11.0	27-14-11-52

Approvals

Approvals



ROHS

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Drawings

