

## RSM-16 24VDC 1NO + C S

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Screw connection
Order No.	<a href="#">1448450000</a>
Type	RSM-16 24VDC 1NO + C S
GTIN (EAN)	4050118252590
Qty.	1 pc(s).
Available until	2014-05-20

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## Technical data

### Dimensions and weights

Depth	62 mm	Depth (inches)	2.441 inch
Height	87 mm	Height (inches)	3.425 inch
Width	250 mm	Width (inches)	9.842 inch
Net weight	398.818 g		

### Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
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### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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### Rated data UL

Operating temperature UL, max.	50 °C	Operating temperature UL, min.	0 °C
Rated current $I_N$	16.7 A	Rated voltage DC $U_N$ (supply)	24 V DC $\pm$ 10%
Rated current (supply)	1 A	Rated voltage DC $U_N$ (input)	24 V DC $\pm$ 10%
Rated voltage AC $U_N$ (output)	250 V AC	Rated current $I_{max}$ (output)	6 A

### 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)	LL 5.08 mm	Connection on control side	LP 5.08 + plug-in connector in acc. with IEC60603-13 / DIN41651, 20-pin
Number of poles (control side)	20-pole plug		

### Rating data

Mechanical service life	$3 \times 10^7$ switching cycles
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### Ratings data input

Input voltage	24 V DC $\pm$ 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	$\leq$ 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 (1,2/50 $\mu$ s)	6 kV
Insulation test voltage	1.2 kVAC		

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### 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

### Connection field

Clamping range, max.	6 mm <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>
Flexible with sleeve, max.	2.5 mm <sup>2</sup>	Flexible with sleeve, min.	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	4 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Max. wire cross-section, AWG	AWG 12	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	6 mm <sup>2</sup>
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>	Stripping length	6 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Type of connection	Screw connection		

### Supply connection

Clamping range, min.	0.13 mm <sup>2</sup>	Clamping range, max.	6 mm <sup>2</sup>
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### 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		

### Approvals

Approvals



ROHS

Conform

### Downloads

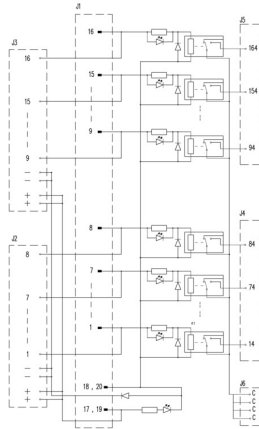
Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Product Change Notification	<a href="#">20210506 Technical change to RSM modules</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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**Drawings**

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