

**RSM-16 24V(-/+) 1CO S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Digital output interface per-relay for electrical signal transmission between the PLC and the field.

- Electrical isolation by pluggable relays.
- Integrated LED status display.
- Screw or tension clamp-connection.
- Additional functions: in-series fuse or isolator
- 2 versions available: compact (RSS relay) or standard (RCL relay).

**General ordering data**

Version	Interface, RSM, 16, RCL, Screw connection
Order No.	<a href="#">9444610000</a>
Type	RSM-16 24V(-/+) 1CO S
GTIN (EAN)	4032248150922
Qty.	1 Stück

Erstellungs-Datum May 25, 2023 11:06:40 AM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Dimensions and weights

Depth	68 mm	Depth (inches)	2.677 inch
Height	87 mm	Height (inches)	3.425 inch
Width	267 mm	Width (inches)	10.512 inch
Net weight	655 g		

### Temperatures

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

### Rating data

Mechanical service life	3 x 10 <sup>7</sup> switching cycles
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### Ratings data input

Input voltage	24 V DC ± 10%	Input current	22 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 Vdc ≤ 250 Vac
Max. AC continuous current	5 A	AC peak current	16 A
Minimum contact current	0.01 A	Minimum contact voltage	10 V

### Insulation coordinates (EN50178)

According to	DIN EN 50178	Rated input insulation voltage	< 50 V AC
Rated output insulation voltage	< 250 V AC	Overvoltage category input/input	III
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 AC	2.5 kVAC	Clearance input/output	≥ 5.5 mm
Clearance input/input	≥ 0.2 mm	Clearance output/output	≥ 1.17 mm

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### 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

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

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">WSCAD</a>
Product Change Notification	<a href="#">20220525 Technical change to RS and RSM</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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## Zeichnungen

