

**RSM
RSM-16 C 1CO S**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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

Type	RSM-16 C 1CO S
Order No.	9445100000
Version	Interface, RSM, 16 compact, RCL, Screw connection
GTIN (EAN)	4032248150960
Qty.	1 pc(s).

RSM
RSM-16 C 1CO S

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Dimensions and weights**

Length	185 mm	Width	109 mm
Height	68 mm	Net weight	670 g

Temperatures

Operating temperature	-25...+40°C	Storage temperature	-40...+60 °C
-----------------------	-------------	---------------------	--------------

General data

LED status display per relay	green	Fuse per relay	No
LED status of the supply voltage	yellow	Power supply fuse	3.15 A

Connection data

Connection to PLC	HE 10 connector - 20 pole	Connection on control side	Connector according IEC60603-13/DIN4 165 1
Number of poles (control side)	20-pole plug	Connection (field side)	LP2N 5.08mm
Connection supply	LP 5.08mm		

Rating data

Mechanical service life	3 x 10 ⁷ switching cycles
-------------------------	--------------------------------------

Ratings data input

Input voltage	24 V DC ± 10%	Input current	20 mA
Power rating	0.4 VA		

Ratings data output

Relay type	RCL	Type of output	Potential-free contact
Contact material	AgNi 90/10	Rated voltage (text)	≤ 250 Vdc ≤ 250 Vac
Max. AC continuous current	5 A	AC peak current	16 A
Minimum contact current	0.01 A	Minimum contact voltage	12 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/output	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	1.2 kVAC	Clearance input/output	≥ 5.5 mm
Clearance input/output	≥ 0.2 mm	Clearance output/output	≥ 1.17 mm

Connection field

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

Creation date December 20, 2013 5:03:04 PM CET

Data sheet

RSM RSM-16 C 1CO S

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Supply connection

Type of connection	Screw connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	6 mm ²	Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	6 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²	Flexible with sleeve, max.	2.5 mm ²
Flexible with sleeve, min.	0.5 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
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Stripping length	6 mm		

Classifications

ETIM 3.0	EC001423	UNSPSC	30-21-18-01
eClass 5.1	27-24-22-08	eClass 6.2	27-24-22-08
eClass 7.1	27-24-22-08		

Product information

Descriptive text accessories Relay 8693260000 RCL314024 24 V DC 1CO

Approvals

Approvals



ROHS Conform

Downloads

Declaration of Conformity [K241_09_02.pdf](#)

Data sheet

**RSM
RSM-16 C 1CO S**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

