

## RSM PLC RSM-16 PLC C 1CO S

**Weidmüller Interface GmbH & Co. KG**  
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Digital output interface per-relay for electrical signal transmission between the PLC and the field.

- Electrical isolation using pluggable relays.
- Integrated LED status display.
- Screw or tension clamp connection.
- The relay switchover can be carried out by the PLC or manually by a relay.
- Two available versions: compact (RSS Relais) or standard (RSS Relais).

### General ordering data

Order No.	<a href="#">1129010000</a>
Type	RSM-16 PLC C 1CO S
Version	Interface, RSM PLC, 16, RSS, Screw connection
GTIN (EAN)	4032248910472
Qty.	1 pc(s).

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**Technical data**
**Dimensions and weights**

Length	111 mm	Width	109 mm
Height	85 mm	Net weight	455 g

**Temperatures**

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

LED status display per relay	green	Fuse per relay	No
LED status of the supply voltage	yellow	Power supply fuse	2.5 A

**Connection data**

Connection on control side	Plug-in connector acc. IEC 603-1 / DIN 41651	Number of poles (control side)	20-pole plug
Connection (field side)	LP2N 5.08mm	Connection supply	LP 5.08mm

**Rating data**

Mechanical service life	5 x 10 <sup>6</sup> switching cycles
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**Ratings data input**

Input voltage	24 V DC ± 10%	Input current	13 mA
Power rating	0.36 W		

**Ratings data output**

Relay type	RSS	Type of output	Potential-free contact
Contact material	AgNi 90/10	Rated voltage (text)	250 V AC
Max. AC continuous current	2.5 A	Minimum contact current	0.1 A
Minimum contact voltage	5 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/input	II	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/input	≥ 0.2 mm	Clearance output/output	≥ 1.17 mm

**Connection field**

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>	Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>
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		

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**Technical data**
**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**

eClass 6.2	27-37-16-01	eClass 7.1	27-37-16-01
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**Notes**

Notes The figure shows a generic product on offer.

**Approvals**

Approvals



ROHS Conform

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**Drawings**

