

## RSM-16 PLC SW 1CO Z

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)



Similar to illustration

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

Version	Interface, RSM PLC, 16 with switch, RCL, Tension-clamp connection
Order No.	<a href="#">1129130000</a>
Type	RSM-16 PLC SW 1CO Z
GTIN (EAN)	4032248910533
Qty.	1 pc(s).

Creation date March 23, 2021 1:18:31 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

Height	68 mm	Height (inches)	2.677 inch
Length	255 mm	Length (inches)	10.039 inch
Net weight	770 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	Fuse per relay	No
Switch	Yes (coil side)	LED status of the supply voltage	yellow
Power supply fuse	2.5 A	Default setting	Shared minus connection

### Connection data

Connection (field side)	LMNZF 5.08mm	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651
Connection supply	LMNZF 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 (text)	250 V AC
Max. AC continuous current	6 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	II
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/input	≥ 0.2 mm	Clearance output/output	≥ 1.17 mm

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**Technical data****Connection field**

Clamping range, max.	2.5 mm <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>
Flexible with sleeve, max.	1.5 mm <sup>2</sup>	Flexible with sleeve, min.	0.25 mm <sup>2</sup>
Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.13 mm <sup>2</sup>
Max. wire cross-section, AWG	AWG 14	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	1.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Solid, min. H05(07) V-U	0.13 mm <sup>2</sup>	Stripping length	6 mm
Type of connection	Tension-clamp connection		

**Supply connection**

Type of connection	Tension-clamp connection	Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.13 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.13 mm <sup>2</sup>
Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>	Flexible with sleeve, max.	1.5 mm <sup>2</sup>
Flexible with sleeve, min.	0.25 mm <sup>2</sup>	Ferrule with plastic collar, max.	1.5 mm <sup>2</sup>
Wire cross-section, min. AWG	AWG 26	Wire cross-section, max. AWG	AWG 14
Stripping length	6 mm		

**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



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Drawings

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