

RSM-16 PLC SW 1CO Z

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 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.	1129130000
Type	RSM-16 PLC SW 1CO Z
GTIN (EAN)	4032248910533
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E141197

Dimensions and weights

Depth	68 mm	Depth (inches)	2.6772 inch
Height	109 mm	Height (inches)	4.2913 inch
Width	255 mm	Width (inches)	10.0394 inch
Net weight	770 g		

Temperatures

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

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1, 4,4'-isopropylidenediphenol 80-05-7
SCIP	66e752f3-a24f-4fef-89c4-f29f52d01390

Rated data UL

Rated current I _N	22 mA	Operating temperature UL, min.	-25 °C
Operating temperature UL, max.	50 °C	Rated voltage DC UN (supply)	24 V
Rated current (supply)	2 A	Rated current fuse (supply)	2.5 A
Rated voltage DC UN (input)	24 V	Rated voltage AC UN (output)	250 V
Rated current I _{max} (output)	4 A		

General data

LED status display per relay	green	Fuse per relay	No
Contactors	Yes (coil side)	LED status of the supply voltage	yellow
Power supply fuse	2.5 A	Default setting	Shared minus connection

Connection data

Number of poles (control side)	20-pole plug	Connection supply	LMNZF 5.08mm
Connection (field side)	LMNZF 5.08mm	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN4 1651

Rating data

Mechanical service life	3 x 10 ⁷ 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
Material of contacts	AgNi 90/10	Rated voltage	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 AC	1.2 kV	Clearance input/output	≥ 5.5 mm
Clearance input/input	≥ 0.2 mm	Clearance output/output	≥ 1.17 mm

Connection field

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

Supply connection

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

Classifications

ETIM 8.0	EC002780	ETIM 9.0	EC002780
ETIM 10.0	EC002780	ECLASS 14.0	27-14-11-52
ECLASS 15.0	27-14-11-52		

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Drawings

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