

**RSM-8 PLC C 1CO S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, 8, RSS, Screw connection
Order No.	<a href="#">1128970000</a>
Type	RSM-8 PLC C 1CO S
GTIN (EAN)	40322489 10366
Qty.	1 pc(s).

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

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## Technical data

## Dimensions and weights

Height	85 mm	Height (inches)	3.346 inch
Length	75 mm	Length (inches)	2.953 inch
Net weight	437.982 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
LED status of the supply voltage	yellow	Power supply fuse	2.5 A

## Connection data

Connection (field side)	LP2N 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	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/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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## 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
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



ROHS

Conform

## Downloads

Approval/Certificate/Document of Conformity

[Declaration of Conformity](#)

Product Change Notification

[20201124 Technical change to RSM-816 PLC CSW 1CO SZ](#)

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**Drawings**

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