



Similar to illustration

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

Version	Interface, RSM, 16 2CO, RCL, Tension-clamp connection
Order No.	<a href="#">9447160000</a>
Type	RSM-16 2CO Z
GTIN (EAN)	4032248253135
Qty.	1 items

## RSM-16 2CO Z

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Depth	68 mm	Depth (inches)	2.6772 inch
Height	109 mm	Height (inches)	4.2913 inch
Width	263 mm	Width (inches)	10.3543 inch
Net weight	830 g		

## Temperatures

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

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	71d9bdc4-a0b5-4af0-93bd-2ad4e523fb14

## 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

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 / DIN41651

## 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	17 mA
Power rating	0.4 VA		

## Ratings data output

Relay type	RCL	Type of output	Potential-free contact
Material of contacts	AgNi 90/10	Rated voltage	≤ 250 Vdc ≤ 250 Vac
Max. AC continuous current	4 A	AC peak current	16 A
Minimum contact current	0.01 A	Minimum contact voltage	10 V

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### 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	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 AC	2.5 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
Flexible with sleeve, max.	1.5 mm <sup>2</sup>	Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>	Stripping length	7 mm
Clamping range, max.	1.5 mm <sup>2</sup>	Clamping range, min.	0.15 mm <sup>2</sup>
Max. wire cross-section, AWG	AWG 14		

### Supply connection

Type of connection	Tension-clamp connection	Clamping range, min.	0.15 mm <sup>2</sup>
Clamping range, max.	1.5 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>	Flexible with sleeve, max.	1.5 mm <sup>2</sup>
Wire cross-section, min. AWG	AWG 26	Wire cross-section, max. AWG	AWG 14
Stripping length	7 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		

Drawings

