

**RSM  
RSM-16 2CO Z**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
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Germany  
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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**

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

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

Length	263 mm	Width	109 mm
Height	68 mm	Net weight	936 g

**Temperatures**

Operating temperature	-25...+40°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	3.15 A

**Connection data**

Connection to PLC	HE 10 connector - 20 pole	Connection on control side	Connector according IEC60603-13/DIN4 165 1
Number of poles (control side)	20-pole plug	Connection (field side)	LMNZF 5.08mm
Connection supply	LMNZF 5.08mm		

**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
Contact material	AgNi 90/10	Rated voltage (text)	≤ 250 Vdc ≤ 250 Vac
Max. AC continuous current	4 A	AC peak current	16 A
Minimum contact current	0.01 A	Minimum contact voltage	12 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/output	III	Overvoltage category output/output	II
Pollution severity level	2	Pulse voltage test (1,2/50µs)	6 kV
Insulation test voltage	2.5 kVAC	Clearance input/output	≥ 5.5 mm
Clearance input/output	≥ 0.2 mm	Clearance output/output	≥ 1.17 mm

**Connection field**

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>
Min. wire cross-section, AWG [field]	AWG 26	Max. wire cross-section, AWG [field]	AWG 14
Stripping length	7 mm		

**Data sheet**

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**Technical data**

**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 3.0	EC001423	UNSPSC	30-21-18-01
eClass 5.1	27-24-22-08	eClass 6.2	27-24-22-08
eClass 7.1	27-24-22-08		

**Product information**

Descriptive text accessories	Relay 4058570000 RCL424024 2CO
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**Approvals**

Approvals



ROHS	Conform
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**Downloads**

Declaration of Conformity	<a href="#">K241_09_02.pdf</a>
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**Drawings**

