

**RSM**  
**RSM16 1T/CDE-EV 24V-H/V****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

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	RSM16 1T/CDE-EV 24V-H/V
Order No.	<a href="#">9445180000</a>
Version	Interface, RSM, 16 with fuse, RCL, Screw connection
GTIN (EAN)	4032248252862
Qty.	1 pc(s).

**RSM**  
**RSM16 1T/CDE-EV 24V-H/V**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

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

Length	290 mm	Width	109 mm
Height	75 mm	Net weight	1,080 g

**Temperatures**

Operating temperature	-25...+40°C	Storage temperature	-40...+60 °C
-----------------------	-------------	---------------------	--------------

**General data**

LED status display per relay	green	Fuse per relay	Yes
Switch	Yes (contacts side)	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/DIN41651
Number of poles (control side)	20-pole plug	Connection (field side)	LP 5.08mm
Connection supply	LP 5.08mm		

**Rating data**

Mechanical service life	3 x 10 <sup>7</sup> switching cycles
-------------------------	--------------------------------------

**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	5 A	AC peak current	16 A

**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	1.2 kVAC	Clearance input/output	≥ 5.5 mm
Clearance input/output	≥ 0.2 mm	Clearance output/output	≥ 1.17 mm

**Connection field**

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>	Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>
Min. wire cross-section, AWG [field]	AWG 26	Max. wire cross-section, AWG [field]	AWG 12
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Stripping length	6 mm		

Creation date December 20, 2013 5:07:52 PM CET

**Data sheet**

**RSM  
RSM16 1T/CDE-EV 24V-H/V**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data**

**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 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		

**Approvals**

Approvals



ROHS Conform

**Downloads**

Declaration of Conformity [K241\\_09\\_02.pdf](#)

**RSM**  
**RSM16 1T/CDE-EV 24V-H/V**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Drawings**

