

## RSM-Series RSM 16RS 24VDC LP GEM.+

**Weidmüller Interface GmbH & Co. KG**  
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Clip-on RS 30. 31. 32 relay bases are available in widths from 11.2 to 25 mm, depending on the type.

The RSM relay multiplexers are available as 4, 8 and 16-way modules. To reduce the wiring work, the DC variants are fitted with a common plus or minus potential. The optional IEC603-1 plug-in connector enables the connection of pre-assembled lines.

The screw connection system is used to connect the conductor with a rated cross-section of 2.5 mm<sup>2</sup>.

### General ordering data

Type	RSM 16RS 24VDC LP GEM.+
Order No.	<a href="#">1113861001</a>
Version	RSM-Series, Relays, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 6 A, Screw connection
GTIN (EAN)	4032248047581
Qty.	1 pc(s).

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## Technische Daten

### Dimensions and weights

Width	285 mm	Height	87 mm
Depth	76 mm	Net weight	658 g

### Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature	-25 °C...+50 °C
Storage temperature	-40 °C...+60 °C		

### Input

Coil resistance		Protective circuit	Integrated free-wheel diode, Reverse polarity protection
Pull-inrop-out current, typ.	23 mA / 2 mA AC	Rated control voltage	24 V DC
Rated current DC	6 A	Power rating	0.75 W
Pull-inrop-out typ.		Status indicator	LED yellow

### Output

Max. switching voltage, AC	250 V	Continuous current	6 A
Inrush current	8 A	Max. switching power	2000 VA
Switch-on delay	< 8 ms	Switch-off delay	< 7 ms
Duration of Bounce	≤ 3 ms	Min. switching power	250 mW
Max. switching frequency at rated load	0.1 Hz		

### Contact data

No. of contacts	1	Contact design	CO contact
Contact material	AgNi 90/10	Mechanical service life	30 x 10 <sup>6</sup> switching cycles
Electrical service life of AC coil	> 7x10 <sup>3</sup> Switching cycles	Electrical service life, DC coil	> 5x10 <sup>5</sup> switching cycles

### General data

Wire connection method	Screw connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Wire cross-section, solid, max.	2.5 mm <sup>2</sup>		

### Insulation coordination

Creepage and clearance distance input – output	> 3 mm	Rated voltage	250 V
Impulse withstand voltage	4 kV	Protection degree	IP 20
Pollution severity	2	Surge voltage category	III

### Other technical data

Version	Relay coupler	Protective circuit	Integrated free-wheel diode, Reverse polarity protection
Status indicator	LED yellow		

### Further details of approvals / standards

Standards	DIN EN 50178
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## Technische Daten

### Connection data

Clamping range, rated connection	2.5 mm <sup>2</sup>	Clamping range, rated connection, max.	4 mm <sup>2</sup>
Clamping range, rated connection, min.	0.5 mm <sup>2</sup>	Stripping length, rated connection	8 mm
Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection method	Screw connection	Wire cross-section, solid, max.	2.5 mm <sup>2</sup>
Wire cross-section, solid, min.	0.5 mm <sup>2</sup>		

### Classifications

ETIM 3.0	EC001437	UNSPSC	30-21-19-17
eClass 5.1	27-37-16-01	eClass 6.2	27-37-16-01
eClass 7.1	27-37-16-01		

### Approvals

Approvals



ROHS

Conform

### Downloads

Declaration of Conformity [K34\\_05\\_10.pdf](#)