

**RSM-Series  
RSM 16RS 24VDC GEM.-**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-2083  
 www.weidmueller.com



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**

Order No.	<a href="#">1113761001</a>
Part designation	RSM 16RS 24VDC GEM.-
Version	RSM-Series, Relays, No. of contacts: 1, CO contact, Rated control voltage: 24 V DC, Screw connection
GTIN (EAN)	4032248047574
Qty.	1 pc(s).

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

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-2083  
 www.weidmueller.com

## Technical data

### Dimensions

Length	87 mm	Width	285 mm
Height	76 mm		

### Temperature

Ambient temperature (operational)	-25 °C...+50 °C	Storage temperature	-40 °C...+60 °C
-----------------------------------	-----------------	---------------------	-----------------

### Probability of failure

B10	280.000 AC15: 250Vac/3A
-----	-------------------------

### Input

Rated voltage	250 V	Rated control voltage	24 V DC
Rated current DC	6 A	Pull-in / drop-out current, AC coil	23 mA / 2 mA
Power rating	0.75 W	Status indicator	LED yellow

### Output

Continuous current	6 A	Duration of Bounce	≤ 3 ms
Max. switching current	8 A	Max. switching frequency at rated load	0.1 Hz
Min. switching current	10 mA	Switch-off delay	< 7 ms
Switch-on delay	< 8 ms	Switching voltage AC, max.	250 V
making current	8 A	max. switching capacity	2000 VA
min. switching capacity	250 mW		

### Contact data

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

### Rated data

Conductor connection system	Screw connection	DIN Rail compatibility	TS 32 TS 35
Humidity	40°C / 93% rel. humidity, no condensation	Solid, max.	2.5 mm <sup>2</sup>

### Insulation coordination (EN 50 178)

Clearance and creepage distances for control/load side	> 3 mm	Impulse withstand voltage	4 kV
Overvoltage category	III	Pollution severity	2
Rated voltage	250 V		

### Other technical data

Free-wheel diode	Yes	Reverse polarity protection	Available
Status indicator	LED yellow	Version	Relay coupler

### Approvals

Approvals institutes	CSA; GOSTME25; CE
----------------------	-------------------

**Datasheet****RSM-Series  
RSM 16RS 24VDC GEM.-**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-2083  
[www.weidmueller.com](http://www.weidmueller.com)

**Technical data****Classifications**

ETIM 2.0	EC001437	ETIM 3.0	EC001437
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01