

RSM-Series RSM 16R 24VDC LP GEM.-

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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 mm².

General ordering data

Type	RSM 16R 24VDC LP GEM.-
Order No.	1107861001
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)	4032248047789
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Width	285 mm	Height	87 mm
Depth	76 mm	Net weight	597 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.	12 mA / 2 mA DC	Rated control voltage	24 V DC
Rated current DC	6 A	Power rating	0.45 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 ⁶ switching cycles
Electrical service life of AC coil	> 7x10 ³ Switching cycles	Electrical service life, DC coil	> 5x10 ⁵ 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 ²		

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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Connection data

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

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

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Declaration of Conformity [K34_05_10.pdf](#)