RS-SERIES
RS 30 24VDC LP 1R

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 mm².

General ordering data

Order No.	1100961001
Type	RS 30 24VDC LP 1R
Version	RS-SERIES, Relays, No. of contacts: 1, NC contact, AgNi 0.15 gold flashed, Rated control voltage: 24 V DC ±10 %, Continuous current: 6 A, Screw connection
GTIN (EAN)	4032248045754
Qty.	10 pc(s).

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Technical data

Ratings

Conductor connection system	Screw connection	Humidity	40 °C / 93 % rel. humidity, no condensation

Dimensions and weights

Width	11.2 mm	Height	70 mm
Depth	56 mm	Net weight	29.9 g

Temperatures

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

Connection data

Clamping range, rated connection	2.5 mm²	Clamping range, rated connection, min.	0.5 mm²
Clamping range, rated connection, max.	4 mm²	Stripping length, rated connection	8 mm

Input

Rated control voltage	24 V DC ±10 %	Rated current DC	10 mA
Power rating	0.45 W	Pull-in (sparkover) / drop-out voltage DC coil	21.5 V
Pull-in / drop-out current, DC coil	12 mA / 3 mA		

Output

Max. switching voltage, AC	250 V	Continuous current	6 A
making 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 specifications

No. of contacts	1	Contact design	NC contact
Contact material	AgNi 0.15 gold flashed	Mechanical service life	20 x 10^6 switching cycles
Electrical service life of AC coil	> 7x10^5 Switching cycles	Electrical service life, DC coil	> 5x10^5 switching cycles

Insulation coordination

Rated voltage	250 V	Clearance and creepage distances for control side - load side	> 3 mm
Impulse withstand voltage	4 kV	Protection degree	IP 20
Pollution severity	2	Surge voltage category	III

Other technical data

Version	Relay coupler	Free-wheel diode	Yes
Reverse polarity protection	Available		

Further details of approvals / standards

Standards	DIN EN 50178

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Classifications

ETIM 2.0	EC001437	ETIM 3.0	EC001437
UNSPSC	30-21-19-17	eClass 4.1	40-02-06-14
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

Approvals

Approvals

Downloads

Declaration of Conformity	K032_09_10.pdf

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