

RS-SERIES
RS 30 48VDC LD BL/SL 1U

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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.	1100420000
Type	RS 30 48VDC LD BL/SL 1U
Version	RS-SERIES, Relays, No. of contacts: 1, CO contact, AgNi 0.15 gold flashed, Rated control voltage: 48 V DC $\pm 10\%$, Continuous current: 6 A, Screw connection
GTIN (EAN)	4008190073244
Qty.	10 pc(s).

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Technical data

Ratings

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

Width	11.2 mm	Height	74 mm
Depth	56 mm	Net weight	34.8 g

Temperatures

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

Clamping range, rated connection	2.5 mm ²	Clamping range, rated connection, min.	0.5 mm ²
Clamping range, rated connection, max.	4 mm ²	Stripping length, rated connection	8 mm

Input

Rated control voltage	48 V DC ±10 %	Rated current DC	8 mA
Power rating	0.45 W	Pull-in (sparkover) / drop-out voltage DC coil	51 V
Pull-in / drop-out current, DC coil	10 mA / 2 mA		

Output

Max. switching voltage, AC	250 V	Continuous current	6 A
making current	8 A	Max. switching power	2000 VA
Switch-on delay	≤ 12 ms	Switch-off delay	≤ 11 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	CO 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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Technical data**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

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