

RS-SERIES
RS 30 24VDC 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

Type	RS 30 24VDC LD BL/SL 1U
Order No.	1100220000
Version	RS-SERIES, Relays, No. of contacts: 1, CO contact, AgNi 0.15 gold flashed, Rated control voltage: 24 V DC $\pm 10\%$, Continuous current: 6 A, Screw connection
GTIN (EAN)	4008190065058
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Width	11.2 mm	Height	74 mm
Depth	56 mm	Net weight	31.47 g

Temperatures

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

Input

Protective circuit	Integrated free-wheel diode, Reverse polarity protection	Rated control voltage	24 V DC $\pm$ 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
Inrush current	8 A	Max. switching power	2000 VA
Switch-on delay	$\leq$ 8 ms	Switch-off delay	$\leq$ 7 ms
Duration of Bounce	$\leq$ 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

general data

Wire connection method	Screw connection	Humidity	40 °C / 93 % rel. humidity, no condensation
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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
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Further details of approvals / standards

Standards	DIN EN 50178
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Technical data**Connection data**Clamping range, rated connection 2.5 mm²Clamping range, rated connection, min. 0.5 mm²

Wire connection method Screw connection

Clamping range, rated connection, max. 4 mm²

Stripping length, rated connection 8 mm

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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