RS-SERIES
RS 30 24VDC LD BL/SL 1U

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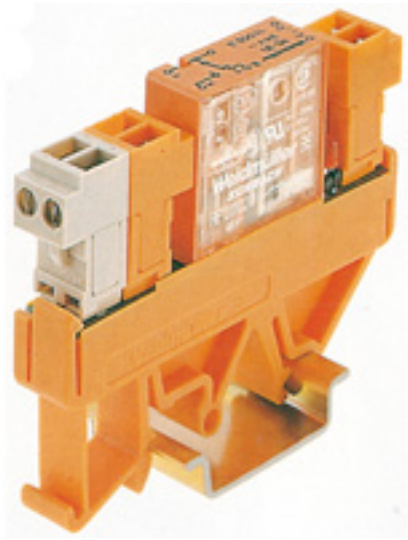

Clip-on RS 30. 31. 32 relay bases are available in widths from 11.2 to 25 mm, depending on the type.
The RSM relay multiplexers are available as 4, 8 and 16-way modules. To reduce the wiring work, the DC variants are fitted with a common plus or minus potential. The optional IEC603-1 plug-in connector 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

Order No.	1100220000
Part designation	RS 30 24VDC LD BL/SL 1U
Version	RS-SERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 24 V DC ±10 %, Screw connection
GTIN (EAN)	4008190065058
Qty.	10 pc(s).

Datasheet

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Technical data

Dimensions

Length	74 mm	Width	25 mm
Height	56 mm		

Temperature

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

Input

Rated voltage	250 V	Rated control voltage	24 V DC ±10 %
Pull-in (sparkover) / drop-out voltage DC coil	21.5V	Rated current DC	8 A
Pull-in / drop-out current, DC coil	12mA/3mA	Power rating	0.45 W

Output

Continuous current	6 A	Duration of Bounce	≤ 3 ms
Max. switching current	8 A	Max. switching frequency at rated load	70 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	min. switching capacity	250 mW

Contact data

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

Rated data

Conductor connection system	Screw connection	DIN Rail compatibility	TS 32 TS 35
Humidity	40°C / 93% rel. humidity, no condensation		

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
Protection class	IP 20	Rated voltage	250 V

Other technical data

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

Approvals

Approvals institutes	CSA; GOSTME25; MARITREG; CE

Classifications

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