

RS-SERIES
RS 30 24VDC LD BL/SL 1U
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

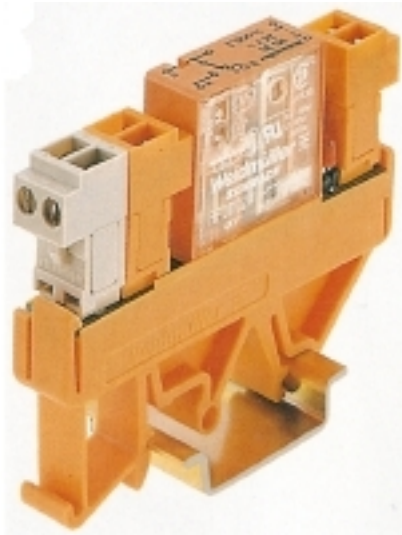
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Clip-on RS 30. 31. 32 relay bases are available in widths from 11.2 to 25 mm, depending on the type.

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.	1100210000
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)	4008190137939
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	31.97 g

Temperatures

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

Input

Rated control voltage	24 V DC $\pm 10\%$	Rated current DC	10 mA
Power rating	0.45 W	Pull-in/drop-out voltage, typ.	21.5 V DC
Pull-in/drop-out current, typ.	12 mA / 3 mA DC	Protective circuit	Integrated free-wheel diode, Reverse polarity protection

Output

Max. switching voltage, AC	250 V	Continuous current	6 A
Inrush current	8 A	AC switching capacity (resistive), max.	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 0.15 gold flashed	Mechanical service life	20×10^6 switching cycles
Electrical service life of AC coil	$> 7 \times 10^5$ Switching cycles	Electrical service life, DC coil	$> 5 \times 10^5$ switching cycles

General data

Version	Relay coupler
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Insulation coordination

Rated voltage	250 V	Creepage and clearance distance input – output	> 3 mm
Impulse withstand voltage	4 kV	Protection degree	IP 20
Pollution severity	2	Surge voltage category	III

Further details of approvals / standards

Certificate No. (CSA)	082859-C-000	Standards	DIN EN 50178
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Connection data

Wire connection method	Screw connection	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		

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Technical data**Classifications**

ETIM 3.0	EC001437	ETIM 4.0	EC001437
ETIM 5.0	EC001437	ETIM 6.0	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
eClass 8.1	27-37-16-01	eClass 9.0	27-37-16-01

Approvals

Approvals



ROHS

Conform

DownloadsDeclaration of Conformity [K032_09_10.pdf](#)

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