

## RS-SERIES

### RS 30 24VDC LD 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 mm<sup>2</sup>.

#### General ordering data

Order No.	<a href="#">1100911001</a>
Type	RS 30 24VDC LD 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)	4008190052881
Qty.	10 pc(s).

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**Technical data**
**Dimensions and weights**

Width	11.2 mm	Height	70 mm
Depth	56 mm	Net weight	27.07 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 ±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 <sup>6</sup> switching cycles
Electrical service life of AC coil	> 7x10 <sup>5</sup> Switching cycles	Electrical service life, DC coil	> 5x10 <sup>5</sup> 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 mm <sup>2</sup>	Clamping range, rated connection, max.	4 mm <sup>2</sup>
Clamping range, rated connection, min.	0.5 mm <sup>2</sup>	Stripping length, rated connection	8 mm
Wire connection method	Screw connection		

**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 6.2	27-37-16-01
eClass 7.1	27-37-16-01		

**Approvals**

Approvals



ROHS Conform

**Downloads**

Declaration of Conformity [K032\\_09\\_10.pdf](#)