

## RS-SERIES

### RS 30 24VDC LD LP 1U

**Weidmüller Interface GmbH & Co. KG**  
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### Product image



Similar to illustration

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

Type	RS 30 24VDC LD LP 1U
Order No.	<a href="#">1181521001</a>
Version	RS-SERIES, Relay module, Number of contacts: 1 CO contact AgNi 0.15 gold flashed, Rated control voltage: 24 V DC ±10 %, Continuous current: 6 A, Screw connection
GTIN (EAN)	4032248046119
Qty.	10 pc(s).

Creation date May 2, 2020 10:35:57 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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

Width	16 mm	Width (inches)	0.63 inch
Height	70 mm	Height (inches)	2.756 inch
Depth	56 mm	Depth (inches)	2.205 inch
Net weight	34.24 g		

**Temperatures**

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

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**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	Status indicator	red LED
Protective circuit	Free-wheeling diode, Reverse polarity protection		

**Output**

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Continuous current	6 A	Inrush current	8 A
AC switching capacity (resistive), max.	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 data**

Contact type	1 CO contact (AgNi 0.15 gold flashed)	Electrical service life of AC coil	$> 7 \times 10^5$ Switching cycles
Electrical service life, DC coil	$> 5 \times 10^5$ switching cycles	Mechanical service life	$20 \times 10^6$ switching cycles

**General data**

Version	soldered relay	Rail	TS 32, TS 35
Test button	No	Mechanical switch position indicator	No
Colour	orange		

**Insulation coordination**

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Protection degree	IP20
Creepage and clearance distance input - output	$> 3$ mm	Impulse withstand voltage	4 kV

**Further details of approvals / standards**

Standards	DIN EN 50178
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**Data sheet**

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**Technical data**

**Connection data**

Wire connection method	Screw connection	Stripping length, rated connection	8 mm
Clamping range, rated connection	2.5 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Clamping range, max.	4 mm <sup>2</sup>		

**Classifications**

ETIM 6.0	EC001437	ETIM 7.0	EC001437
eClass 9.0	27-37-16-01	eClass 9.1	27-37-16-01
eClass 10.0	27-37-16-01	UNSPSC	30-21-19-17

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DE_PA_5600_160311_001.pdf</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>