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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## RS-SERIES

### RS 30 48VDC LD LP 1A

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



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="#">1101821001</a>
Type	RS 30 48VDC LD LP 1A
Version	RS-SERIES, Relays, No. of contacts: 1, NO contact, AgNi 0.15 gold flashed, Rated control voltage: 48 V DC ±10 %, Continuous current: 6 A, Screw connection
GTIN (EAN)	4032248045907
Qty.	10 pc(s).

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**Technical data**
**Ratings**

Conductor connection system	Screw connection	Humidity	40 °C / 93 % rel. humidity, no condensation
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**Dimensions and weights**

Width	11.2 mm	Height	70 mm
Depth	56 mm	Net weight	30 g

**Temperatures**

Operating temperature	-25 °C...+40 °C	Storage temperature	-40 °C...+60 °C
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**Connection data**

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

**Input**

Rated control voltage	48 V DC ±10 %	Rated current DC	8 mA
Power rating	0.45 W	Pull-in (sparkover) / drop-out voltage DC coil	48 V
Pull-in / drop-out current, DC coil	10 mA / 2 mA		

**Output**

Max. switching voltage, AC making current	250 V	Continuous current	6 A
Switch-on delay	≤ 12 ms	Max. switching power	2000 VA
Duration of Bounce	≤ 3 ms	Switch-off delay	≤ 11ms
Max. switching frequency at rated load	0.1 Hz	Min. switching power	250 mW

**Contact specifications**

No. of contacts	1	Contact design	NO 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

**Insulation coordination**

Rated voltage	250 V	Clearance and creepage distances for control side - load side	> 3 mm
Impulse withstand voltage	4 kV	Protection degree	IP 20
Pollution severity	2	Surge voltage category	III

**Other technical data**

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

**Further details of approvals / standards**

Standards	DIN EN 50178
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**Technical data****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 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

**Approvals**

Approvals

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