

## RS-SERIES

### RS 30 230VAC 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="#">1102211001</a>
Type	RS 30 230VAC LD LP 1A
Version	RS-SERIES, Relays, No. of contacts: 1, NO contact, AgNi 0.15 gold flashed, Rated control voltage: 230 V AC +5 % / -15 %, Continuous current: 3 A, Screw connection
GTIN (EAN)	4032248046003
Qty.	10 pc(s).

**RS-SERIES  
RS 30 230VAC 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

**Technical data**
**Ratings**

Conductor connection system	Screw connection	Humidity	40 °C / 93 % rel. humidity, no condensation
-----------------------------	------------------	----------	---

**Dimensions and weights**

Width	11.2 mm	Height	70 mm
Depth	56 mm	Net weight	28.97 g

**Temperatures**

Operating temperature	-25 °C...+40 °C	Storage temperature	-40 °C...+60 °C
-----------------------	-----------------	---------------------	-----------------

**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	230 V AC +5 % / -15 %	Rated current AC	3.2 mA
Power rating	0.8 VA	Response / drop-out voltage AC coil	207 V
Pull-in / drop-out current, AC coil	1 mA		

**Output**

Max. switching voltage, AC making current	250 V 8 A	Continuous current	3 A
Switch-on delay	≤ 10 ms	Max. switching power	2000 VA
Duration of Bounce	≤ 3 ms	Switch-off delay	≤ 9 ms
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	No
---------	---------------	------------------	----

**Further details of approvals / standards**

Standards	DIN EN 50178
-----------	--------------

**RS-SERIES  
RS 30 230VAC 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

**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](#)