



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



RS-SERIES

RS 31 230VAC LD LP 1U

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 mm².

General ordering data

Order No.	1128461001
Type	RS 31 230VAC LD LP 1U
Version	RS-SERIES, Relays, No. of contacts: 1, CO contact, AgCdO, Rated control voltage: 230 V AC +5 % / -15 %, Continuous current: 16 A, Screw connection
GTIN (EAN)	4032248046843
Qty.	10 pc(s).

RS-SERIES
RS 31 230VAC LD LP 1U

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	25 mm	Height	70 mm
Depth	53.5 mm	Net weight	56.61 g

Temperatures

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

Connection data

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

Input

Rated control voltage	230 V AC +5 % / -15 %	Rated current AC	4.5 mA
Power rating	1 VA	Response / drop-out voltage AC coil	195 V
Pull-in / drop-out current, AC coil	-/2.2 mA		

Output

Max. switching voltage, AC	250 V	Continuous current	16 A
making current	60 A / 200 ms	Max. switching power	3.5 kVA / 480 W
Switch-on delay	< 9 ms	Switch-off delay	< 8 ms
Duration of Bounce	> 6 ms	Min. switching power	1 W
Max. switching frequency at rated load	0.1 Hz		

Contact specifications

No. of contacts	1	Contact design	CO contact
Contact material	AgCdO	Mechanical service life	30 x 10 ⁶ switching cycles
Electrical service life, DC coil	230V, 50Hz, 3.5kVA: 2.5*10 ⁵ switching cycles		

Insulation coordination

Rated voltage	250 V	Clearance and creepage distances for control side - load side	> 3 mm
Impulse withstand voltage	6 kV	Protection degree	IP 20
Pollution severity	2	Surge voltage category	III

Other technical data

Version	Relay coupler	Free-wheel diode	Yes
Bridge rectifier	Yes		

Further details of approvals / standards

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

Creation date March 7, 2013 6:17:47 PM CET

**RS-SERIES
RS 31 230VAC LD LP 1U**

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 [K033_10_10.pdf](#)

**RS-SERIES
RS 31 230VAC LD LP 1U**

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

Drawings**Electric symbol**