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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 31 115VAC LD LP 1U

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

D-32758 Detmold

Germany

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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 mm².

General ordering data

Order No.	1150461001
Type	RS 31 115VAC LD LP 1U
Version	RS-SERIES, Relays, No. of contacts: 1, CO contact, AgCdO, Rated control voltage: 115 V AC +5 % / -15 %, Continuous current: 16 A, Screw connection
GTIN (EAN)	4032248046836
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	25 mm	Height	70 mm
Depth	53.5 mm	Net weight	62.2 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 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	115 V AC +5 % / -15 %	Rated current AC	8 mA
Power rating	1 VA	Response / drop-out voltage AC coil	98 V
Pull-in / drop-out current, AC coil	-/1.5 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	< 11 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
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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 [K033_10_10.pdf](#)

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Drawings

Electric symbol

