

RS-SERIES
RS 30 24VDC LD LP 1R**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

Type	RS 30 24VDC LD LP 1R
Order No.	1100911001
Version	RS-SERIES, Relay module, No. of contacts: 1 NC contact AgNi 0.15 gold flashed, Rated control voltage: 24 V DC $\pm 10\%$, Continuous current: 6 A, Screw connection
GTIN (EAN)	4008190052881
Qty.	10 pc(s).

RS-SERIES
RS 30 24VDC LD LP 1R

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
Dimensions and weights

Width	11.2 mm	Width (inches)	0.441 inch
Height	70 mm	Height (inches)	2.756 inch
Depth	56 mm	Depth (inches)	2.205 inch
Net weight	27.07 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		

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	Green LED
Protective circuit	Free-wheel 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 NC 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	20×10^6 switching cycles

General data

Version	soldered relay	Mounting rail	TS 32, TS 35
Test button	No	Mechanical switch position indicator	No

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	Certificate No. (CSA)	082859-C-000
-----------	--------------	-----------------------	--------------

RS-SERIES

RS 30 24VDC LD LP 1R

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

Connection data

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

Classifications

ETIM 3.0	EC001437	ETIM 4.0	EC001437
ETIM 5.0	EC001437	ETIM 6.0	EC001437
UNSPSC	30-21-19-17	eClass 5.1	27-37-16-01
eClass 6.2	27-37-16-01	eClass 7.1	27-37-16-01
eClass 8.1	27-37-16-01	eClass 9.0	27-37-16-01
eClass 9.1	27-37-16-01		

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PA_5600_160311_001.pdf
Engineering Data	EPLAN.WSCAD