

RSS113048 48Vdc-Rel1U

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product image



Similar to illustration

General ordering data

Version	TERMSERIES, Relay, Number of contacts: 1, CO contact AgNi, Rated control voltage: 48 V DC, Continuous current: 6 A, Plug-in connection, Test button available: No
Order No.	4061620000
Type	RSS113048 48Vdc-Rel1U
GTIN (EAN)	4032248252268
Qty.	20 items

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Technical data

Approvals

Approvals



ROHS Conform
UL File Number Search [UL Website](#)
Certificate No. (cURus) E351070

Dimensions and weights

Depth	15 mm	Depth (inches)	0.5906 inch
Height	28 mm	Height (inches)	1.1024 inch
Width	5 mm	Width (inches)	0.1968 inch
Net weight	4.5 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85
Humidity	5...85 % rel. humidity, no condensation		

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption
REACH SVHC No SVHC above 0.1 wt%

Rated data UL

Certificate No. (cURus) E351070

Control side

Rated control voltage	48 V DC	Rated current DC	4.6 mA
Power rating	220 mW	Coil resistance	10620 Ω ± 10 %

Load side

Rated switching voltage	250 V AC	Max. switching frequency at rated load	0.1 Hz
Max. switching voltage, AC	250 V	Max. switching voltage, DC	250 V
Inrush current	20 A / 20 ms	AC switching capacity (resistive), max.	1500 VA
DC switching capacity (resistive), max.	144 W @ 24 V	Switch-on delay	< 8 ms
Switch-off delay	< 4 ms	Contact type	1 CO contact (AgNi)
Mechanical service life	5 x 10 ⁶ switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V

General data

Test button available	No	Mechanical switch position indicator	No
Colour	white	UL 94 flammability rating	V-0

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Insulation coordination

Creepage and clearance distance input → 5.5 mm output	Dielectric strength, Input/Output	4 kVeff / 1 Min.
Dielectric strength of open contact 1 kVeff / 1 min	Impulse withstand voltage at input and output	6 kV (1.2/50 µs)
Protection degree IP67		

Further details of approvals / standards

Standards IEC 61810-1, UL508	Certificate No. (VDE)	40029391
Certificate No. (cURus) E351070		

Connection data

Wire connection method	Plug-in connection
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Classifications

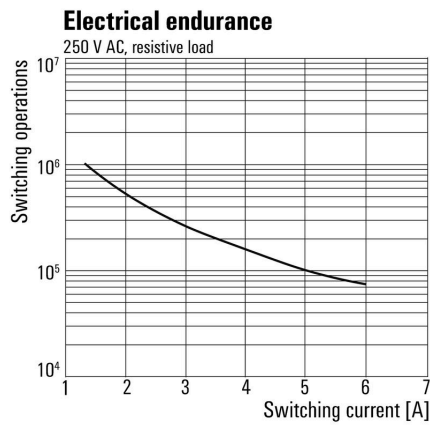
ETIM 8.0 EC001437	ETIM 9.0 EC001437
ETIM 10.0 EC001437	ECLASS 14.0 27-37-16-01
ECLASS 15.0 27-37-16-01	

Wiring diagram



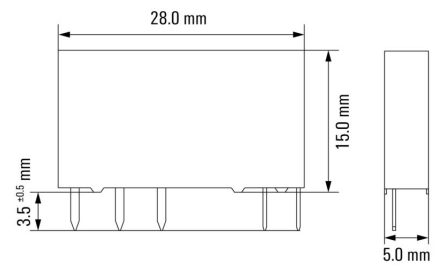
View of Pins from below

Graph



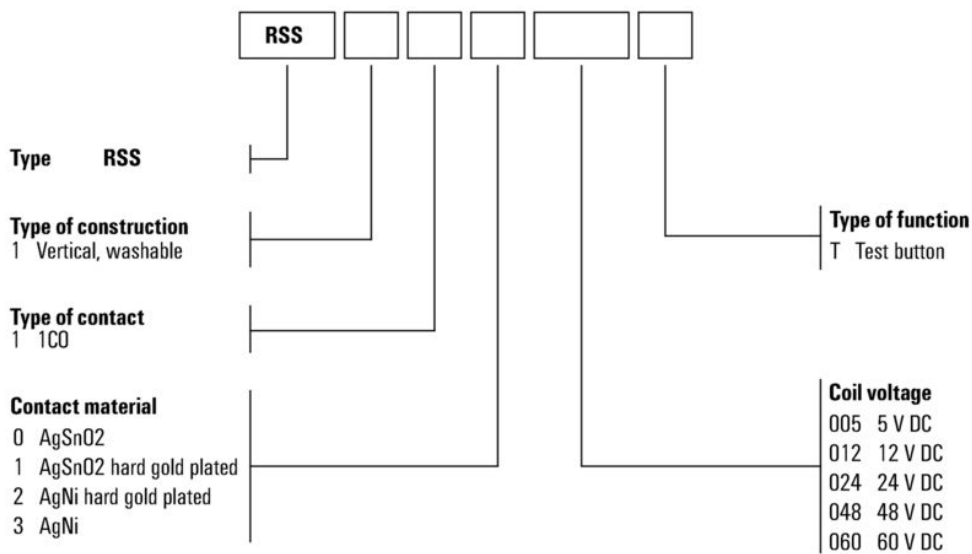
Electrical service life 250 V AC resistive load

Dimensional drawing



Miscellaneous

Type code electromechanical relay (TERMSERIES)



Type codes