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 pc(s).

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Technical data

Dimensions and weights

Depth	15 mm	Depth (inches)	0.591 inch
Height	28 mm	Height (inches)	1.102 inch
Width	5 mm	Width (inches)	0.197 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		

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 %
Coil tolerance	10 %		

Load side

Rated switching voltage	250 V AC	Continuous current	6 A
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

Insulation coordination

Creepage and clearance distance input – output	≥ 5.5 mm	Dielectric strength, Input/Output	4 kV_{eff} / 1 Min.
Dielectric strength of open contact	1 kV_{eff} / 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 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ECLASS 9.0	27-37-16-01	ECLASS 9.1	27-37-16-01
ECLASS 10.0	27-37-16-01	ECLASS 11.0	27-37-16-01
ECLASS 12.0	27-37-16-01	ECLASS 13.0	27-37-16-01

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E351070

Downloads

Catalogues	Catalogues in PDF-format

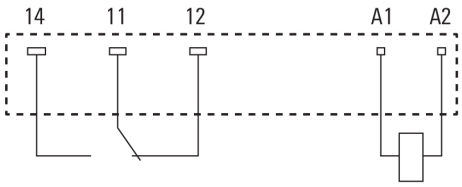
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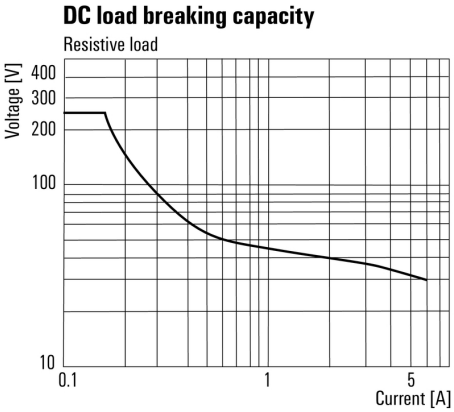
Drawings

Wiring diagram



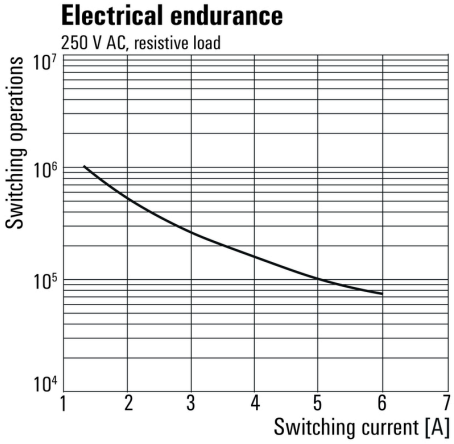
View of Pins from below

Graph



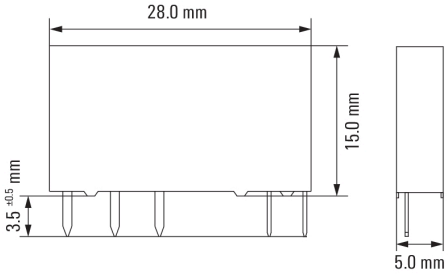
DC load limit curve

Graph



Electrical service life
250 V AC resistive load

Dimensional drawing



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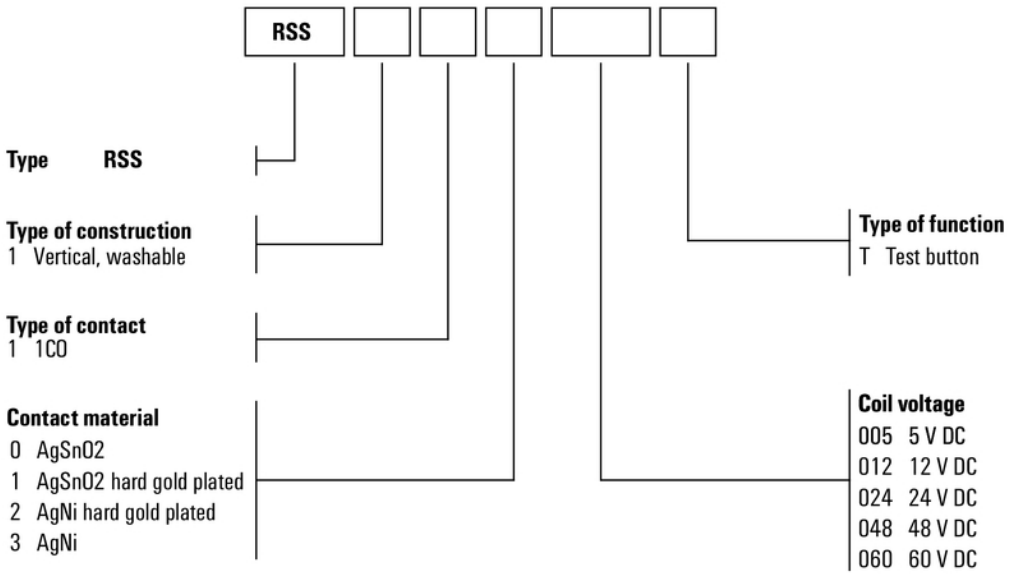
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Drawings

Miscellaneous

Type code electromechanical relay (TERMSERIES)



Type codes