

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
Order No.	4061620000
Type	RSS113048 48Vdc-Rel1U
GTIN (EAN)	4032248252268
Qty.	20 pc(s).

Creation date March 29, 2021 8:30:50 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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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
Net weight	4.5 g	Width	5 mm
Width (inches)	0.197 inch		

Temperatures

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

Rated data UL

Certificate No. (cURus)	E223474
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Control side

Coil resistance	10620 $\Omega \pm 10\%$	Power rating	220 mW
Pull-in/drop-out voltage, typ.	33.6 V / 2.4 V DC	Rated control voltage	48 V DC
Rated current DC	4.6 mA		

Load side

AC switching capacity (resistive), max.	1500 VA	DC switching capacity (resistive), max.	144 W @ 24 V
Duration of Bounce	NO: 1 ms // NC: 5 ms	Inrush current	20 A / 20 ms
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Min. switching power	1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V
Switch-off delay	≤ 4 ms	Switch-on delay	≤ 8 ms

Contact data

Contact type	1 CO contact (AgNi)	Mechanical service life	5 x 10 ⁶ switching cycles
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General data

Test button	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 of open contact	1 kV _{eff} / 1 min
Dielectric strength, Input/Output	4 kV _{eff} / 1 Min.	Impulse withstand voltage at input and output	6 kV (1.2/50 μ s)
Protection degree	IP67		

Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (VDE)	40011505
Certificate No. (cURus)	E223474		

Connection data

Wire connection method	Plug-in connection
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Classifications

ETIM 6.0	EC001437	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E223474

Downloads

Engineering Data	WSCAD
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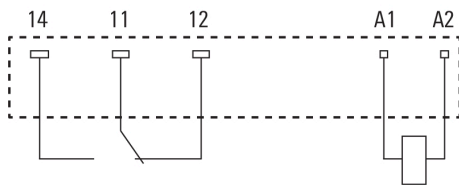
RSS113048 48Vdc-Rel1U

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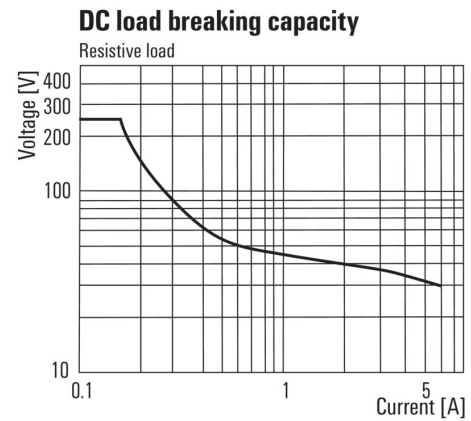
Drawings

Wiring diagram



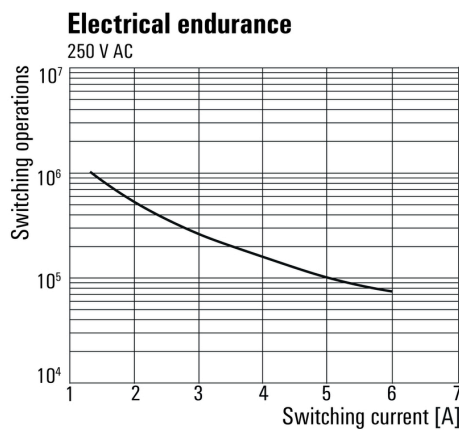
View of Pins from below

Graph



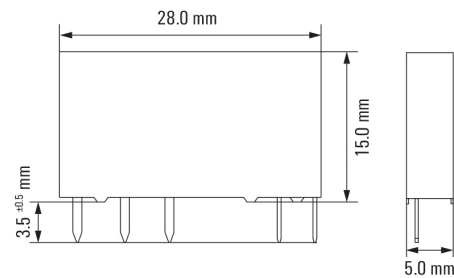
DC load limit curve

Graph



Electrical service life
250 V AC resistive load

Dimensional drawing



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Drawings

Miscellaneous

Type code	RSS				
Type	RSS				
Type of construction	1 Vertical, washable				
Type of contact	1 1 Changeover contact				
Contact material	0 AgSnO2 2 AgNi hard gold plated 3 AgNi				
					Coil 005 5 V DC 012 12 V DC 024 24 V DC 048 48 V DC 060 60 V DC

Type codes