

TERMSERIES
RSS113012 12VDC-REL1U

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
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www.weidmueller.com



TERMSERIES accessories include:

- Spare relay
- Base
- Partition plates
- Cross-connections
- Power-feed modules

General ordering data

Order No.	4061610000
Type	RSS113012 12VDC-REL1U
Version	TERMSERIES, Relais, No. of contacts: 1, CO contact, AgNi, Rated control voltage: 12 V DC, Continuous current: 6 A, Plug-in connection
GTIN (EAN)	4032248252244
Qty.	20 pc(s).

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Technical data
Ratings

Conductor connection system	Plug-in connection	Humidity	5...85 % rel. humidity, no condensation
Weight	5 g	UL 94 flammability rating	V-0

Dimensions and weights

Width	5 mm	Height	28 mm
Depth	15 mm	Weight	5 g
Net weight	4.65 g		

Temperatures

Operating temperature	-40 °C...+85 °C	Storage temperature	-40 °C...+85 °C
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Input

Rated control voltage	12 V DC	Rated current DC	14 mA
Coil resistance	847 $\Omega \pm 10\%$	Power rating	170 mW
Pull-in (sparkover) / drop-out voltage DC coil	8.4 V / 1.2 V		

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Continuous current	6 A
making current	6 A	Max. switching power	1500 VA
Switch-on delay	< 8 ms	Switch-off delay	< 4 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA	Max. switching frequency at rated load	0.1 Hz

Contact specifications

No. of contacts	1	Contact design	CO contact
Contact material	AgNi	Mechanical service life	5 x 10 ⁶ switching cycles

Insulation coordination

Clearance and creepage distances for control side - load side	≥ 5.5 mm	Dielectric strength for control side - load side	4 kV _{eff} / 1 min.
Impulse withstand voltage	6 kV (1.2/50 μ s)	Protection degree	IP 67

Other technical data

Version	Relay
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Further details of approvals / standards

Standards	IEC 61810-1, UL508
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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	27-37-16-03
eClass 7.0	27-37-16-03		

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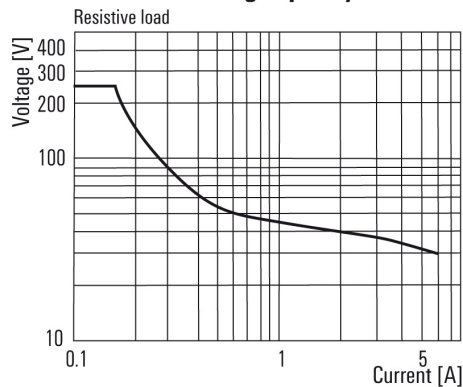
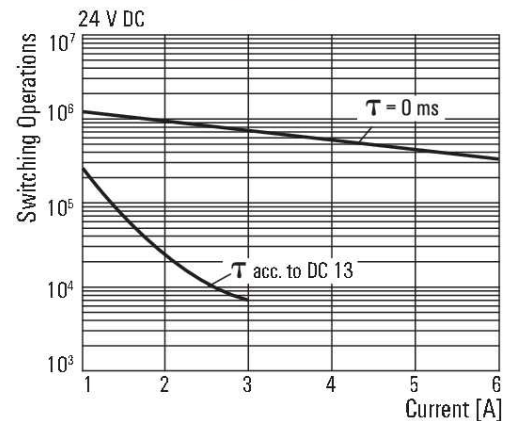
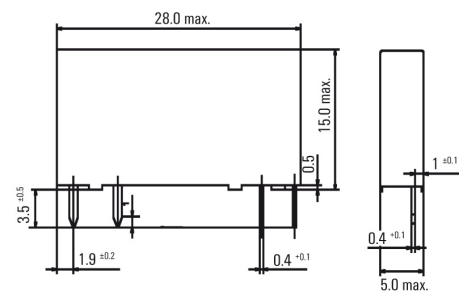
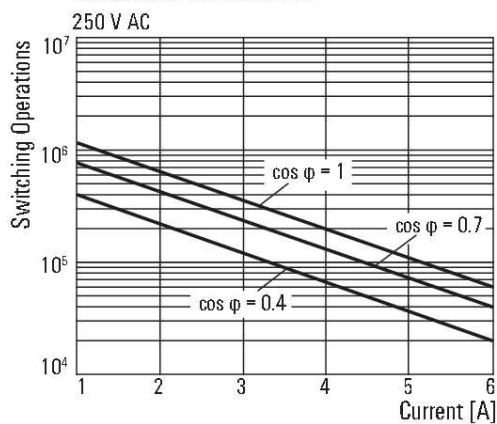
Approvals

Approvals



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Drawings
DC load breaking capacity

Electrical endurance

Electrical endurance


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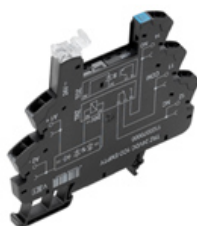
Mating connector (fully pluggable)
Screw connection


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General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1123230000	TRS 12VDC 1CO EMPTY	TERMSERIES, Relay base, Continuous current: 10 A, Screw connection	4032248905416	10 pc(s).

Tension clamp connection


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General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1123350000	TRZ 12VDC 1CO EMPTY	TERMSERIES, Relay base, Continuous current: 10 A, Tension clamp connection	4032248905478	10 pc(s).