

TRP 24VDC 1CO AGSNO PB**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

- 1 CO contact
- Contact material: AgSnO
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages 24 V DC and 24 V UC with coloured marking: DC: blue, UC: white
- Version with lockable test button for manual switching

General ordering data

Version	TERMSERIES, Relay module, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 24 V DC $\pm 20\%$, Continuous current: 6 A, PUSH IN, Test button available: Yes
Order No.	2855800000
Type	TRP 24VDC 1CO AGSNO PB
GTIN (EAN)	4064675534105
Qty.	10 pc(s).

TRP 24VDC 1CO AGSNO PB

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Technical data

Dimensions and weights

Depth	87.8 mm	Depth (inches)	3.457 inch
Height	89.4 mm	Height (inches)	3.52 inch
Width	6.4 mm	Width (inches)	0.252 inch
Net weight	28.44 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...60 °C
Humidity	5-95% relative humidity, T _u = 40°C, without condensation		

Rated data UL

Ambient temperature (operational), max.	60 °C	Output current derating (ohmic)	6 A @ 50 °C, 5 A @ 60 °C
Connection cross-section AWG, min.	AWG 26	Connection cross-section AWG, max.	AWG 14
Type of conductor	rigid copper conductor, flexible copper conductor	Pollution severity level	2

Control side

Rated control voltage	24 V DC $\pm$ 20 %	Rated current DC	11.5 mA
Power rating	280 mW	Status indicator	Green LED
Protective circuit	Free-wheeling diode, Reverse polarity protection	Coil voltage of the replacement relay deviating from the rated control voltage	No
Coil voltage of the replacement relay	24 V DC		

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	30 A / 20 ms
AC switching capacity (resistive), max.	1500 VA	DC switching capacity (resistive), max.	144 W @ 24 V
Switch-on delay	$\leq$ 12 ms	Switch-off delay	$\leq$ 12 ms
Contact type	1 CO contact (AgSnO)	Mechanical service life	10 x 10 ⁶ switching cycles
Min. switching power	100 mA @ 12 V		

General data

Operating altitude	$\leq$ 2000 m, above sea level	
Rail	TS 35	
Test button available	Yes	
Version of test button	Lockable test button	
Mechanical switch position indicator	No	
Colour	black	
UL94 flammability rating component	Component	Housing
	UL94 flammability rating	V-0
	Component	Retaining clip
	UL94 flammability rating	V-0
	Component	Pusher
	UL94 flammability rating	V-0

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Insulation coordination

Rated voltage	300 V	Pollution severity	2
Surge voltage category	III	Clearance and creepage distances for control side - load side	≥ 6 mm
Dielectric strength for control side - load side	3.51 kV _{eff} / 1 min.	Type of isolation at input and output	reinforced insulation
Dielectric strength of open contact	1 kV _{eff} / 1 min	Dielectric strength to mounting rail	4 kV _{eff} / 1 Min.
Impulse withstand voltage	6 kV (1.2/50 µs)	Protection degree	IP20

Further details of approvals / standards

Certificate no. (cULus)	E141197
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Connection data

Wire connection method	PUSH IN	Stripping length, rated connection	9 mm
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.14 mm ²
Clamping range, max.	2.5 mm ²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 14	Wire cross-section, solid, min.	0.14 mm ²
Wire cross-section, solid, max.	1.5 mm ²	Wire cross-section, solid, min. (AWG)	AWG 26
Wire cross-section, solid, max. (AWG)	AWG 16	Wire connection cross section, finely stranded, min.	0.14 mm ²
Wire connection cross section, finely stranded, max.	2.5 mm ²	Wire cross-section, finely stranded, min. (AWG)	AWG 26
Wire cross-section, finely stranded, max. (AWG)	AWG 14	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.14 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.14 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm ²	Blade size	0.4 x 2.0 mm

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
ECLASS 14.0	27-37-16-01		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	9e2cbc49-76d9-4611-b8ec-5b4f549a0aa9

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www.weidmueller.com**Technical data****Approvals**

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU declaration of conformity
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Package Insert – multilingual
Catalogues	Catalogues in PDF-format

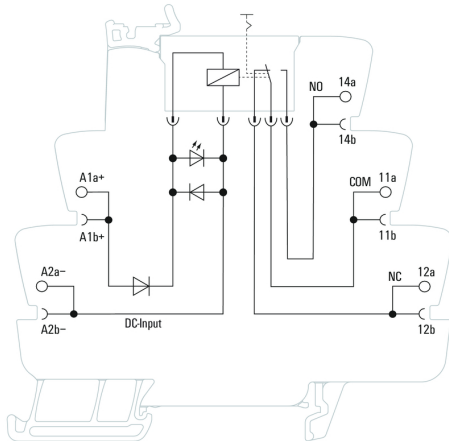
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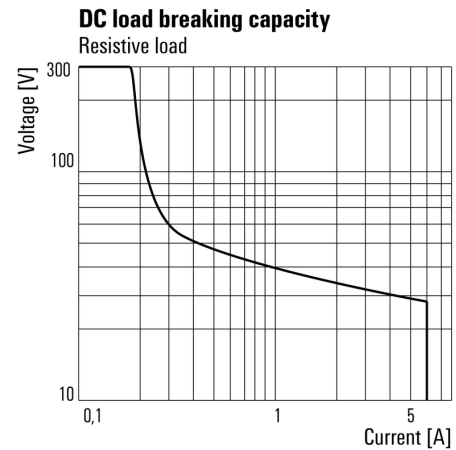
Drawings

Wiring diagram



Graph

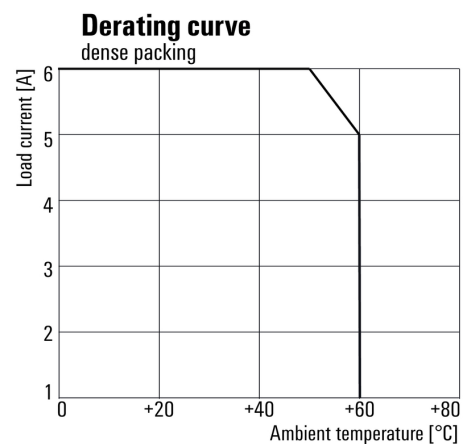
Graph



DC load limit curve

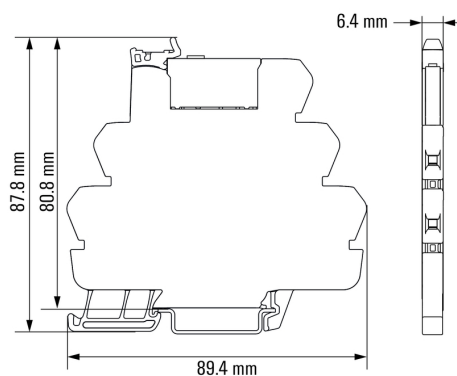
Resistive load

Derating curve



Electrical service life 230 V AC resistive load
 230 V AC resistive load

Dimensional drawing



Miscellaneous

Function of test button

Mode is selected by rotating the orange switch.
 The test button can be rotated endlessly.
 The groove on the top shows the selected mode.

View from the top:

**Auto Mode:**

Relay contact is controlled by the coil.

**Manual ON:**

Relay is manually switch on without applied coil voltage.
 - NO contact is closed

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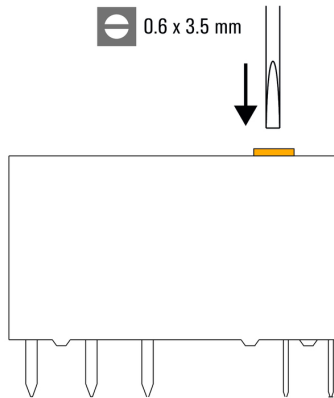
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Drawings

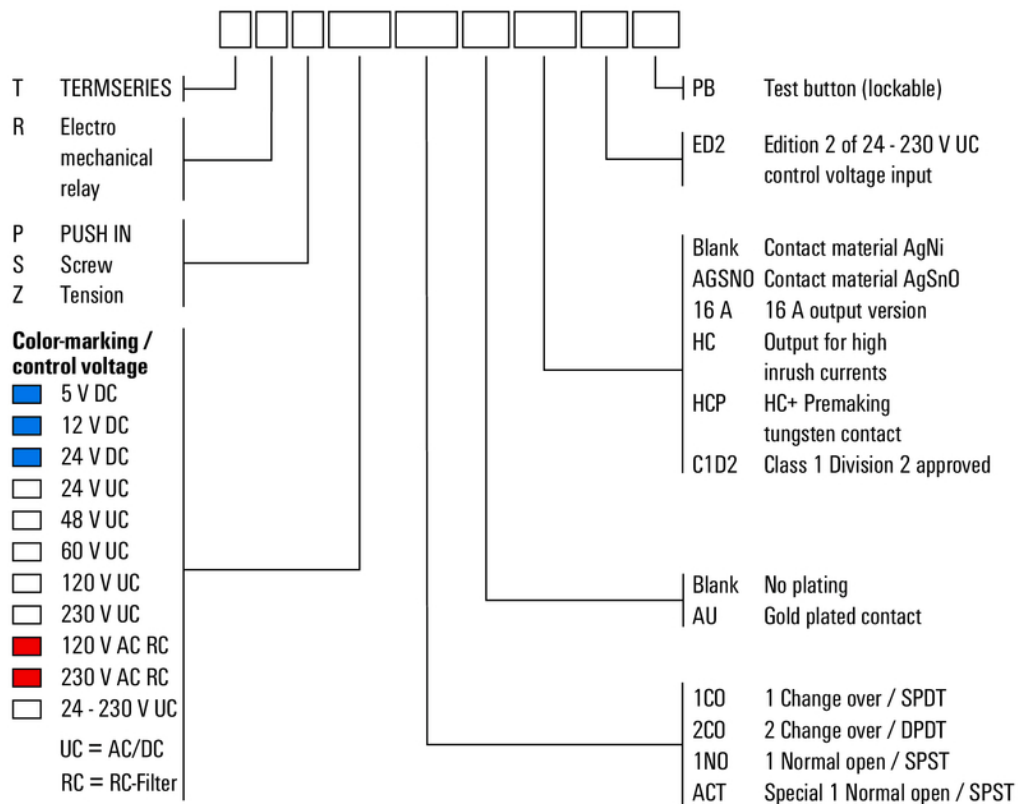
Miscellaneous

Recommended screwdriver for test button



Miscellaneous

Type code TERMSERIES electromechanical relay versions



Sonstiges