

TERMSERIES TRS 120VAC RC 1CO

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TERMSERIES relay module, complete modules consisting of

a relay and a base with AC/DC/UC coils, available in different versions:

- With screw and tension-clamp connection
- AgNi contact, optionally with hard gold-plated contacts
- 1 and 2 COs
- Optionally with multiple-voltage input: 24...230 V UC
- With various protective circuits in the input (free-wheel diode, RC element)
- Illuminated ejection lever

General ordering data

Type	TRS 120VAC RC 1CO
Order No.	1122830000
Version	TERMSERIES, Relay module, No. of contacts: 1 CO contact AgNi, Rated control voltage: 120 V AC $\pm 10\%$, Continuous current: 6 A, Screw connection
GTIN (EAN)	4032248905126
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	6.4 mm	Width (inches)	0.252 inch
Height	89.6 mm	Height (inches)	3.528 inch
Depth	87.8 mm	Depth (inches)	3.457 inch
Net weight	34 g		

Temperatures

Humidity	5–95% rel. humidity, $T_u = 40^\circ\text{C}$, no condensation	Operating temperature	-40 °C...60 °C
Storage temperature	-40 °C...85 °C		

Input

Rated control voltage	120 V AC $\pm 10\%$	Rated current AC	7 mA
Power rating	0.84 VA	Pull-in/drop-out voltage, typ.	79 V / 60 V AC
Pull-in/drop-out current, typ.	4 mA / 2.5 mA AC	Status indicator	Green LED
Protective circuit	RC element	RC filter	94 Ω / 100 nF

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Continuous current	6 A
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	< 5.3 ms
Switch-off delay	< 4 ms	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Max. switching frequency at rated load	0.1 Hz		

Contact data

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

General data

UL 94 flammability rating	V-0
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Insulation coordination

Rated voltage	300 V	Creepage and clearance distance input – output	≥ 5.5 mm
Dielectric strength input – output	4 kV _{eff} / 1 min.	Dielectric strength to mounting rail	4 kV _{eff} / 1 min.
Dielectric strength of open contact	1 kV _{eff} / 1 min	Impulse withstand voltage	6 kV (1.2/50 μs)
Protection degree	IP20	Pollution severity	2
Surge voltage category	III		

Further details of approvals / standards

Standards	EN 50178, EN 55011, EN 61000-6-1, 2, 4	Certificate No. (GERMLLOYD)	47053-12
Certificate no. (cULus)	E141197		