

TERMSERIES
TRS 230VUC 1CO
Weidmüller Interface GmbH & Co. KG

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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 230VUC 1CO
Order No.	1122820000
Version	TERMSERIES, Relay module, No. of contacts: 1 CO contact AgNi, Rated control voltage: 230 V UC ±10%, Continuous current: 6 A, Screw connection
GTIN (EAN)	4032248904907
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, max.	60 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...60 °C
Storage temperature	-40 °C...85 °C		

Input

Rated control voltage	230 V UC \pm 10 %	Rated current AC	3.5 mA
Rated current DC	2.9 mA	Power rating	0.8 VA, 700 mW
Pull-in/drop-out voltage, typ.	164 V / 87 V AC 166 V / 89 V DC	Pull-in/drop-out current, typ.	2.4 mA / 0.9 mA AC 1.8 mA / 0.4 mA DC
Status indicator	Green LED	Protective circuit	Rectifier
Coil voltage of the replacement relay deviating from the rated control voltage	Yes	Coil voltage of the replacement relay	60 V DC

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	\leq 15 ms
Switch-off delay	\leq 50 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

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

Mounting rail	TS 35	Test button	No
Mechanical switch position indicator	No	Colour	Black
UL 94 flammability rating	V-0		

Insulation coordination

Rated voltage	300 V	Surge voltage category	III
Pollution severity	2	Protection degree	IP20
Dielectric strength input – output	4 kV _{eff} / 1 min.	Creepage and clearance distance input – output	\geq 5.5 mm
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 μ s)		