

## TERMSERIES TRZ 24-230VUC 1CO

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



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	TRZ 24-230VUC 1CO
Order No.	<a href="#">1122970000</a>
Version	TERMSERIES, Relay module, No. of contacts: 1 CO contact AgNi, Rated control voltage: 24...230 V UC $\pm 10\%$ , Continuous current: 6 A, Tension clamp connection
GTIN (EAN)	4032248905102
Qty.	10 pc(s).

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**Technical data****Dimensions and weights**

Width	6.4 mm	Width (inches)	0.252 inch
Height	90.5 mm	Height (inches)	3.563 inch
Depth	87.8 mm	Depth (inches)	3.457 inch
Net weight	31.6 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	24...230 V UC $\pm 10\%$	Rated current AC	4 mA @ 230 V AC $\pm 10\%$ , 28 mA @ 24 V AC $\pm 10\%$
Rated current DC	22 mA @ 24 V DC $\pm 10\%$	Power rating	530 mW @ 24 V DC, 930 mVA @ 230 V AC
Pull-in/drop-out voltage, typ.	13 V / 7 V AC 13 V / 5 V DC	Pull-in/drop-out current, typ.	28.5 mA / 11 mA AC 23 mA / 6.5 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	24 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	$\leq 30$ ms
Switch-off delay	$< 140$ 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	$5 \times 10^6$ 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 <sub>eff</sub> / 1 min.	Creepage and clearance distance input – output	$\geq 5.5$ mm
Dielectric strength of open contact	1 kV <sub>eff</sub> / 1 min	Dielectric strength to mounting rail	4 kV <sub>eff</sub> / 1 min.
Impulse withstand voltage	6 kV (1.2/50 $\mu\text{s}$ )		