

**TERMSERIES**  
**TRZ 24VDC 2CO**
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

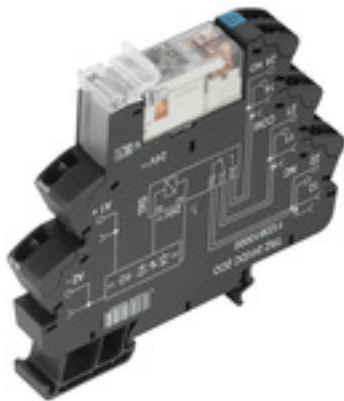
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TERMSERIES relay module, complete modules consisting of

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	TRZ 24VDC 2CO
Order No.	<a href="#">1123610000</a>
Version	TERMSERIES, Relay module, No. of contacts: 2 CO contact AgNi, Rated control voltage: 24 V DC $\pm 20\%$ , Continuous current: 8 A, Tension clamp connection
GTIN (EAN)	4032248905959
Qty.	10 pc(s).

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

Width	12.8 mm	Width (inches)	0.504 inch
Height	90.5 mm	Height (inches)	3.563 inch
Depth	87.8 mm	Depth (inches)	3.457 inch
Net weight	56 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 V DC $\pm$ 20 %	Rated current DC	20 mA
Power rating	480 mW	Pull-in/drop-out voltage, typ.	17 V / 3 V DC
Pull-in/drop-out current, typ.	14 mA / 2 mA DC	Status indicator	Green LED
Protective circuit	Free-wheel 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		

**Output**

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Continuous current	8 A
Inrush current	15 A / 4 s	AC switching capacity (resistive), max.	2000 VA
DC switching capacity (resistive), max.	192 W @ 24 V	Switch-on delay	$\leq$ 6 ms
Switch-off delay	$<$ 18 ms	Min. switching power	10 mA @ 10 V, 100 mA @ 5 V
Max. switching frequency at rated load	0.1 Hz		

**Contact data**

Contact type	2 CO contact (AgNi)	Mechanical service life	30 x 10 <sup>6</sup> switching cycles
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**General data**

Mounting rail	TS 35	Test button	No
Mechanical switch position indicator	No	Colour	Black

**Insulation coordination**

Rated voltage	300 V	Surge voltage category	III
Pollution severity	2	Protection degree	IP20
Dielectric strength input – output	1.2 kV <sub>eff</sub> / 5 s	Creepage and clearance distance input – output	$\geq$ 5.5 mm
Dielectric strength of neighbouring contacts	2.5 kV <sub>eff</sub>	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 $\mu$ s)