

TERMSERIES
TRS 24VDC 1CO AU
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

D-32758 Detmold

Germany

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TERMSERIES relay module 1 CO, complete modules consisting of

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

- With screw connection
- AgNi contact with hard gold-plated contacts
- 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

Order No.	1123000000
Type	TRS 24VDC 1CO AU
Version	TERMSERIES, Relays, No. of contacts: 1, CO contact, AgNi 5µm Au, Rated control voltage: 24 V DC ±20 %, Continuous current: 6 A, Screw connection
GTIN (EAN)	4032248905256
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	6.4 mm	Height	90 mm
Depth	88 mm	Net weight	33 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

Protective circuit	Integrated free-wheel diode, Reverse polarity protection	Rated control voltage	24 V DC $\pm 20\%$
Rated current DC	10 mA	Power rating	240 mW
Pull-in (sparkover) / drop-out voltage DC coil	16.6 V / 5 V	Pull-in / drop-out current, DC coil	7 mA / 2 mA
Status indicator	Green LED		

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Continuous current	6 A
Making current	6 A	Max. switching power	1500 VA
Switch-on delay	< 6 ms	Switch-off delay	< 7 ms
Min. switching power	1 V / 1 mA	Max. switching frequency at rated load	0.1 Hz

Contact specifications

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

general data

Wire connection method	Screw connection	Humidity	5–95% rel. humidity, $T_u = 40^\circ\text{C}$, no condensation
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Insulation coordination

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

Other technical data

Version	Relay coupler	Protective circuit	Integrated free-wheel diode, Reverse polarity protection
Status indicator	Green LED		

Further details of approvals / standards

Standards	DIN EN 50178
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Technical data**Connection data**Clamping range, rated connection 1.5 mm²Clamping range, rated connection, min. 0.14 mm²

Tightening torque, min. 0.4 Nm

Clamping range, rated connection, max. 1.5 mm²

Stripping length, rated connection 8 mm

Wire connection method Screw connection

Classifications

eClass 6.2

27-37-16-01

eClass 7.1

27-37-16-01

Approvals

Approvals

**Downloads**Declaration of Conformity [K438_10_12.pdf](#)PDF [Installationsanleitung](#)[3-D model](#)

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Drawings

