

TRP 48VUC 2CO EMPTY**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

TERMSERIES empty sockets with:

- 2 CO contacts
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

Version	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated control voltage: 48 V UC ± 10 %, Continuous current: 10 A, PUSH IN
Order No.	2680990000
Type	TRP 48VUC 2CO EMPTY
GTIN (EAN)	4050118695199
Qty.	10 pc(s).

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Catalogue status 09.04.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	87.8 mm	Depth (inches)	3.457 inch
Height	89.4 mm	Height (inches)	3.52 inch
Net weight	44.4 g	Width	12.8 mm
Width (inches)	0.504 inch		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...60 °C
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Rated data UL

Operating altitude	≤ 2000 m, above sea level	Ambient temperature (operational), max.	60 °C
Output current derating (ohmic)	6 A @ 60 °C, 8 A @ 50 °C	Connection cross-section AWG, min.	AWG 26
Connection cross-section AWG, max.	AWG 14	Type of conductor	rigid copper conductor, flexible copper conductor
Tightening torque, max.	0.4 Nm	Pollution severity level	2
Certificate No. (cURus)	E223759		

Control side

Coil voltage of the replacement relay	48 V DC	Coil voltage of the replacement relay deviating from the rated control voltage	Yes
Protective circuit	Rectifier	Status indicator	Green LED

Load side

Continuous current	10 A	Rated switching voltage	250 V AC
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Contact data

Contact type	2 CO contact
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General data

Rail	TS 35	
Colour	black	
UL94 flammability rating component	Component	Housing
	UL94 flammability rating	V-0
	Component	Retaining clip
	UL94 flammability rating	V-0
	Component	Pusher
	UL94 flammability rating	V-0

Insulation coordination

Clearance and creepage distances for control side - load side	≥ 5.5 mm	Dielectric strength for control side - load side	1.2 kV _{eff} / 5 s
Dielectric strength of neighbouring contacts	2.5 kV _{eff}	Dielectric strength to mounting rail	4 kV _{eff} / 1 Min.
Impulse withstand voltage	6 kV (1.2/50 µs)	Pollution severity	2
Protection degree	IP20	Rated voltage	300 V
Surge voltage category	III		

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Technical data

Further details of approvals / standards

Certificate No. (cURus) E223759

Connection data

Wire connection method	PUSH IN	Stripping length, rated connection	9 mm
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.14 mm ²
Clamping range, max.	2.5 mm ²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 14	Wire cross-section, solid, min.	0.14 mm ²
Wire cross-section, solid, max.	2.5 mm ²	Wire cross-section, solid, min. (AWG)	AWG 26
Wire cross-section, solid, max. (AWG)	AWG 14	Wire connection cross section, finely stranded, min.	0.14 mm ²
Wire connection cross section, finely stranded, max.	2.5 mm ²	Wire cross-section, finely stranded, min. (AWG)	AWG 26
Wire cross-section, finely stranded, max. (AWG)	AWG 14	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.25 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.25 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm ²	Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²
Wire cross-section, finely stranded, two clampable wires, max.	1 mm ²	Twin wire-end ferrules, min.	0.5 mm ²
Twin wire-end ferrules, max.	1 mm ²	Blade size	0.4 x 2.0 mm

Classifications

ETIM 6.0	EC001456	ETIM 7.0	EC001456
ECLASS 9.0	27-37-16-03	ECLASS 9.1	27-37-16-03
ECLASS 10.0	27-37-16-03	ECLASS 11.0	27-37-16-03

Approvals

Approvals



ROHS	Conform
UL File Number Search	E223759

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
User Documentation	Beipackzettel / Package Insert – multilingual
Brochure/Catalogue	Catalogues in PDF-format

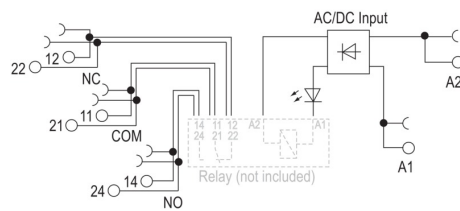
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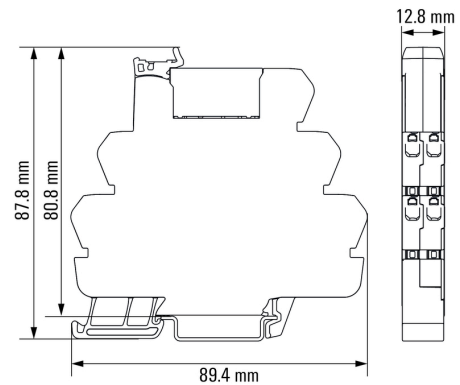
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Drawings

Wiring diagram



Dimensional drawing



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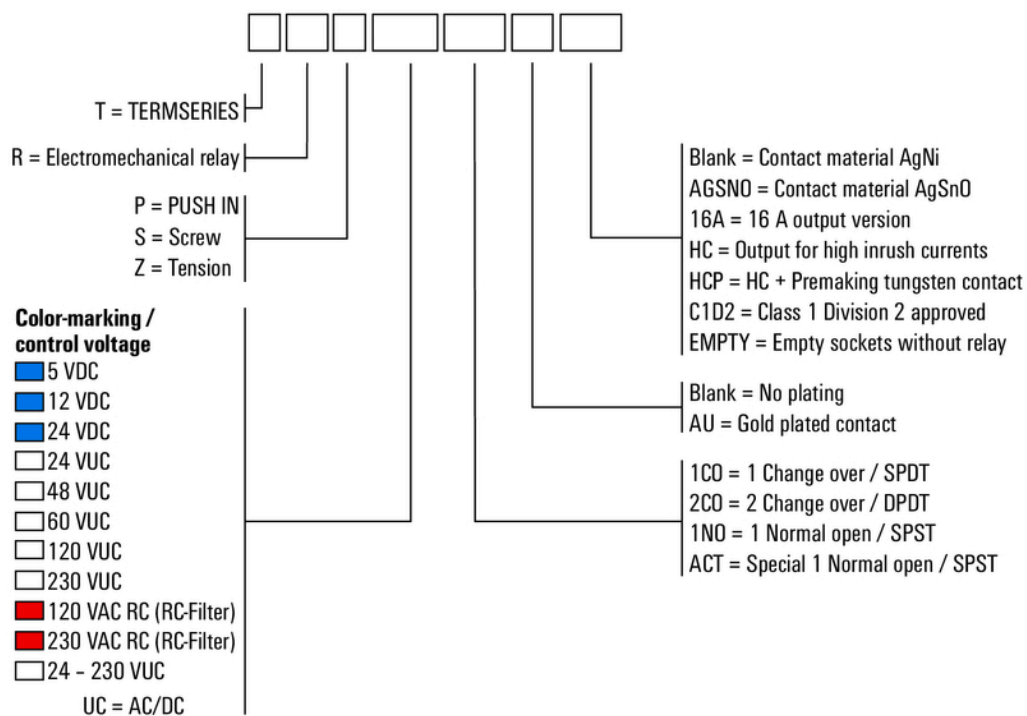
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Drawings

Miscellaneous

Type code TERMSERIES electromechanical relay versions



Type codes