

TRZ 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 bases, Number of contacts: 2, CO contact, Rated control voltage: 48 V UC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection
Order No.	1124120000
Type	TRZ 48VUC 2CO EMPTY
GTIN (EAN)	4032248905607
Qty.	10 pc(s).

Creation date March 23, 2021 1:03:47 AM CET

Catalogue status 12.03.2021 / 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	90.5 mm	Height (inches)	3.563 inch
Net weight	44.6 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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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Operating altitude	≤ 2000 m, above sea level	Ambient temperature (operational), max.	60 °C
Connection cross-section AWG, min.	AWG 26	Connection cross-section AWG, max.	AWG 14
Type of conductor	rigid copper conductor, flexible copper conductor	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	Rated control voltage	48 V UC ± 10 %
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	

Insulation coordination

Creepage and clearance distance input – output	≥ 5.5 mm	Dielectric strength of neighbouring contacts	2.5 kV _{eff}
Dielectric strength to mounting rail	4 kV _{eff} / 1 Min.	Dielectric strength, Input/Output	1.2 kV _{eff} / 5 s
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

Standards	DIN EN 50178	Certificate No. (cURus)	E223759
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Connection data

Wire connection method	Tension-clamp connection	Stripping length, rated connection	8 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.	0.14 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.14 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm ²	Twin wire-end ferrules, min.	0.5 mm ²
Twin wire-end ferrules, max.	1 mm ²	Blade size	0.6 x 3.5 mm
Pitch in mm (P)	5 mm	Gauge to IEC 60947-1	A1, B1

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
Engineering Data	EPLAN, WSCAD
User Documentation	Beipackzettel / Package Insert – multilingual

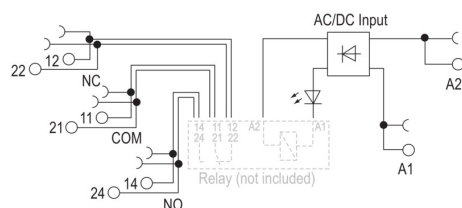
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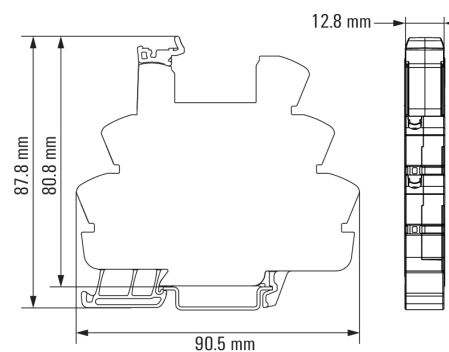
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Drawings

Wiring diagram



Dimensional drawing



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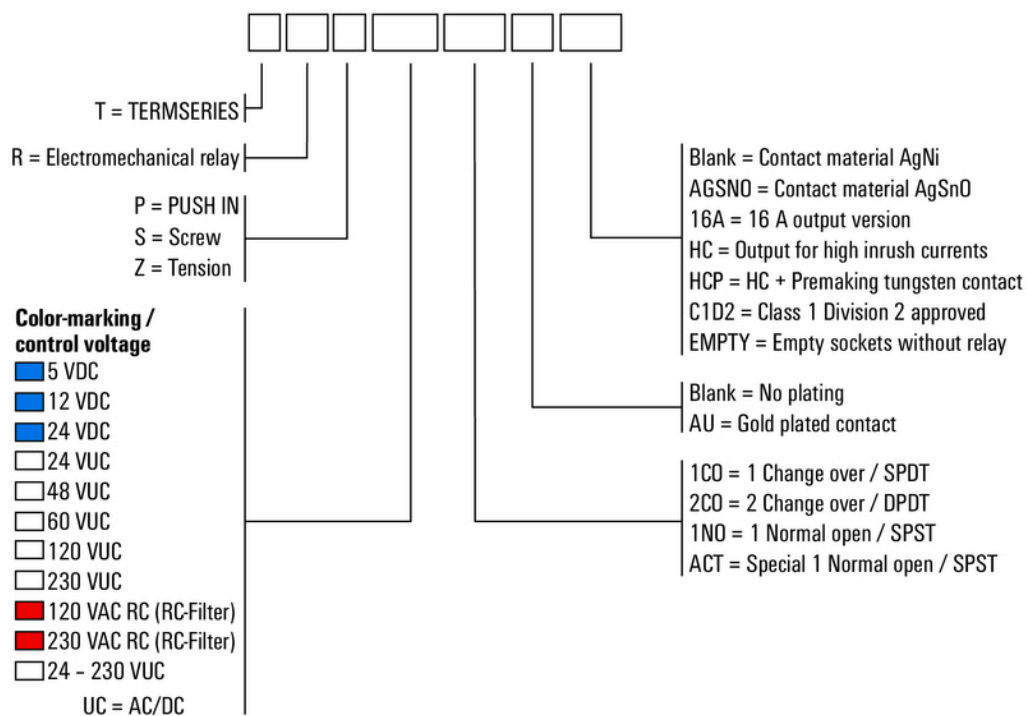
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Drawings

Miscellaneous

Type code TERMSERIES electromechanical relay versions



Type codes