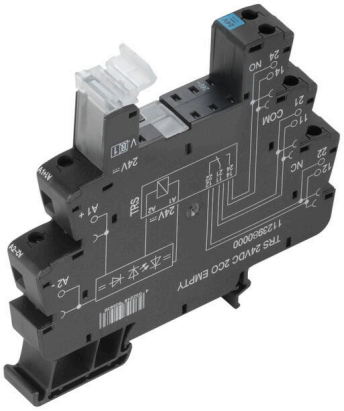
Data sheet

TRS 120VAC RC 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: 120 V AC ±10 %, Continuous current: 10 A, Screw connection
Order No.	1124040000
Type	TRS 120VAC RC 2CO EMPTY
GTIN (EAN)	4032248906178
Qty.	10 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E223759

Dimensions and weights

Depth	87.8 mm	Depth (inches)	3.4567 inch
Height	89.6 mm	Height (inches)	3.5276 inch
Width	12.8 mm	Width (inches)	0.5039 inch
Net weight	42 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...60 °C
Operating temperature			

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	9e2cbc49-76d9-4611-b8ec-5b4f549a0aa9

Rated data UL

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

Rated control voltage	120 V AC ±10 %	Status indicator	Green LED
Protective circuit	Rectifier, RC element	RC filter	94 Ω / 100 nF
Coil voltage of the replacement relay deviating from the rated control voltage	Yes	Coil voltage of the replacement relay	110 V DC

Load side

Rated switching voltage	250 V AC	Continuous current	10 A
Contact type	2 CO contact		

General data

Operating altitude	≤ 2000 m, above sea level	
Mounting rail	TS 35	
Colour	black	
UL94 flammability rating component	Component	Housing
	UL94 flammability rating	V-0
	Component	Retaining clip

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	UL94 flammability rating	V-0	

Insulation coordination

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

Further details of approvals / standards

Certificate No. (cURus)	E223759

Connection data

Wire connection method	Screw connection	Stripping length, rated connection	8 mm
Tightening torque, max.	0.4 Nm	Clamping range, rated connection	1.5 mm²
Clamping range, min.	0.14 mm²	Clamping range, max.	2.5 mm²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 14
Wire cross-section, solid, min.	0.14 mm²	Wire cross-section, solid, max.	2.5 mm²
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 mm²	Wire connection cross section, finely stranded, max.	2.5 mm²
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 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.25 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm²
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm²	Wire cross-section, finely stranded, two clampable wires, max.	1 mm²
Twin wire-end ferrules, min.	0.5 mm²	Twin wire-end ferrules, max.	1 mm²
Blade size	size PH0	Pitch in mm (P)	5.00 mm

Classifications

ETIM 8.0	EC001456	ETIM 9.0	EC001456
ETIM 10.0	EC001456	ECLASS 14.0	27-37-16-03
ECLASS 15.0	27-37-16-03		

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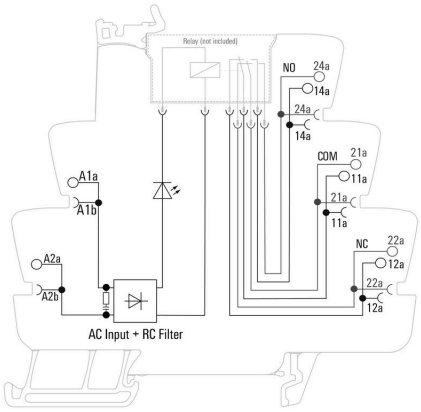
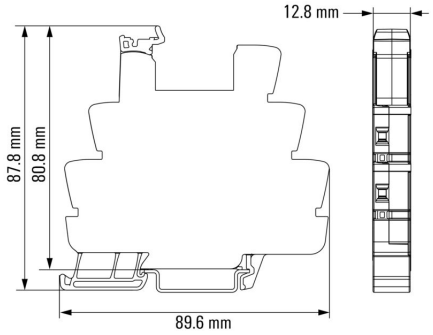
Drawings

Wiring diagram



Dimensional drawing



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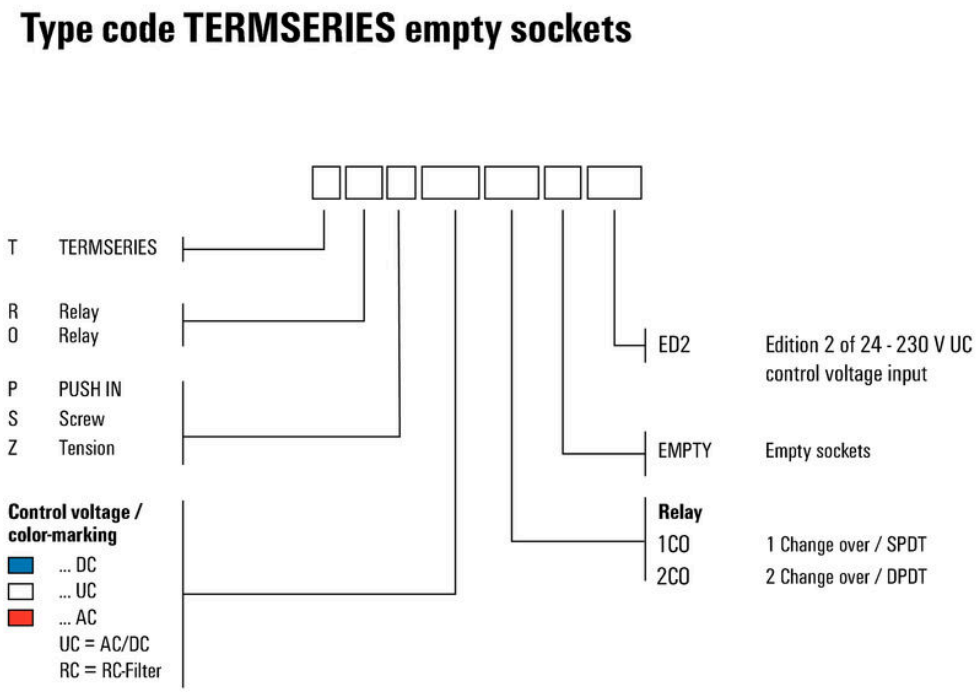
Drawings

Miscellaneous



Type codes

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