

TRS 120VUC 2CO PB

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product image



- 2 CO contact
- Contact material: AgNi
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 24 V DC and 230 V UC with coloured marking: DC: blue, UC: white
- Version with lockable test button for manual switching

General ordering data

Version	TERMSERIES, Relay module, Number of contacts: 2, CO contact AgNi, Rated control voltage: 120 V UC $\pm 10\%$, Continuous current: 8 A, Screw connection, Test button available: Yes
Order No.	2988460000
Type	TRS 120VUC 2CO PB
GTIN (EAN)	4099986859265
Qty.	5 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

Dimensions and weights

Depth	97.5 mm	Depth (inches)	3.8386 inch
Height	89.6 mm	Height (inches)	3.5276 inch
Width	12.8 mm	Width (inches)	0.5039 inch
Net weight	63 g		

Temperatures

Storage temperature	-40 °C...70 °C	Ambient temperature	-40 °C...60 °C
Operating temperature		Humidity	5...85 % rel. humidity, no condensation

Environmental Product Compliance

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

Rated data UL

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		

Control side

Rated control voltage	120 V UC ±10 %	Rated current AC	3.8 mA
Power rating	456 mW	Status indicator	Green LED
Protective circuit	Free-wheeling diode, Reverse polarity protection	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	8 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Inrush current	30 A / 4 s
AC switching capacity (resistive), max.	2000 VA	DC switching capacity (resistive), max.	60W @ 120V
Switch-on delay	≤ 15 ms	Switch-off delay	≤ 16 ms
Protective circuit, load side	Rectifier	Contact type	2 CO contact (AgNi)
Mechanical service life	5 x 10 ⁶ switching cycles	Min. switching power	100 mA @ 10 V

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Operating altitude	≤ 2000 m, above sea level		
Mounting rail	TS 35		
Test button available	Yes		
Version of test button	Lockable test button, Momentary test button		
Mechanical switch position indicator	Yes		
Colour	black		
UL94 flammability rating component	Component	Housing	
	UL94 flammability rating	V-0	
	Component	Pusher	
	UL94 flammability rating	V-0	
	Component	Retaining clip	
	UL94 flammability rating	V-0	

Insulation coordination

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	2.5 kVeff / 1 Min.
Dielectric strength of open contact	1 kVeff / 1 min	Dielectric strength to mounting rail	4 kVeff / 1 Min.
Impulse withstand voltage	6 kV (1.2/50 µs)	Protection degree	IP20
Impulse withstand voltage at neighbouring contacts	4 kV (1.2/50 µs)		

Further details of approvals / standards

Certificate no. (cULus)	E141197
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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 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.	1.5 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
Blade size	size PHO		

Classifications

ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

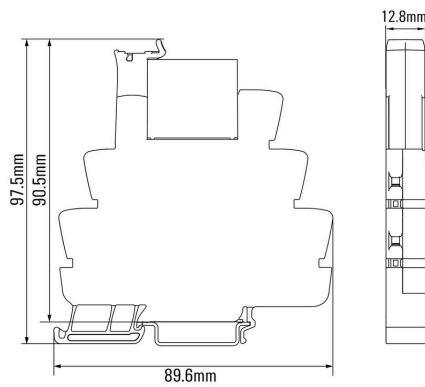
Wiring diagram



Graph



Dimensional drawing



Miscellaneous

Type code TERMSERIES electromechanical relay versions



Sonstiges