

TRZ 24VDC 1NO HC

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

www.weidmueller.com

Product image



Similar to illustration

TERMSERIES with special contacts for high inrush power
 HC version:

- 1 NO contact
- Contact material: AgSnO
- Unique multi-voltage input from 24 V to 230 V AC/DC

HCP version:

- 1 NO contact
- Contact material: AgSnO + leading tungsten contact
- Unique multi-voltage input from 24 V to 230 V AC/DC

General ordering data

Version	TERMSERIES, Relay module, Number of contacts: 1, NO contact AgSnO, Rated control voltage: 24 V DC $\pm 20\%$, Continuous current: 16 A, Tension-clamp connection, Test button available: No
Order No.	1479940000
Type	TRZ 24VDC 1NO HC
GTIN (EAN)	4050118288230
Qty.	10 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	87.8 mm	Depth (inches)	3.4567 inch
Height	90.5 mm	Height (inches)	3.563 inch
Width	12.8 mm	Width (inches)	0.5039 inch
Net weight	55 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...60 °C
Operating temperature		Humidity	5-95% relative humidity, Tu = 40°C, without 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

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		

Control side

Rated control voltage	24 V DC \pm 20 %	Rated current DC	22.0 mA
Power rating	530 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	No
Coil voltage of the replacement relay	24 V DC		

Load side

Rated switching voltage	250 V AC	Continuous current	16 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Inrush current	80 A / 20 ms
AC switching capacity (resistive), max.	4000 VA	DC switching capacity (resistive), max.	384 W @ 24 V
Switch-on delay	\leq 7 ms	Switch-off delay	\leq 16 ms
Contact type	1 NO contact (AgSnO)	Mechanical service life	5 x 10 ⁶ switching cycles
Min. switching power	1 W		

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Operating altitude	≤ 2000 m, above sea level		
Mounting rail	TS 35		
Test button available	No		
Mechanical switch position indicator	No		
Colour	black		
UL94 flammability rating component	Component	Housing	
	UL94 flammability rating	V-0	
	Component	Retaining clip	
	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	≥ 6 mm
Dielectric strength for control side - load side	1.2 kVeff / 5 s	Type of isolation at input and output	reinforced insulation
Dielectric strength of open contact	1.2 kVeff / 1 min.	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. (DNV)	TAA00001E5	Certificate no. (cULus)	E141197
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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	Blade size	0.6 x 3.5 mm

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		

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Drawings

Wiring diagram



Graph



DC load limit curve Resistive load

Dimensional drawing



