

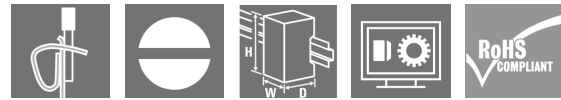
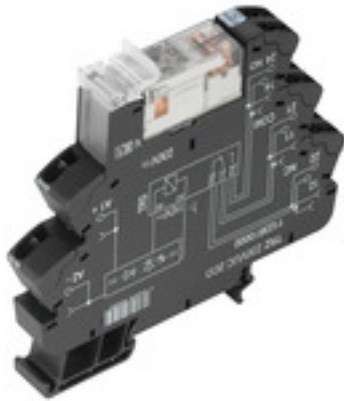
TRZ 120VUC 2CO**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Similar to illustration

- 2 CO contacts
- Contact material: AgNi
- 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

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, Tension-clamp connection, Test button available: No
Order No.	1123650000
Type	TRZ 120VUC 2CO
GTIN (EAN)	4032248906215
Qty.	10 pièce(s)

Date de création 26 novembre 2024 14:11:47 CET

Niveau du catalogue 26.11.2024 / Toutes modifications techniques réservées

TRZ 120VUC 2CO

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

www.weidmueller.com

Caractéristiques techniques

Dimensions and weights

Depth	87,8 mm	Depth (inches)	3,457 inch
Height	90,5 mm	Height (inches)	3,563 inch
Width	12,8 mm	Width (inches)	0,504 inch
Net weight	56,2 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...60 °C
Humidity	5-95% relative humidity, T _u = 40°C, without condensation		

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	Pollution severity level	2

Control side

Rated control voltage	120 V UC ± 10 %	Rated current AC	3.5 mA
Rated current DC	3.5 mA	Power rating	420 mVA / 420 mW
Status indicator	Green LED	Protective circuit	Rectifier
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	15 A / 4 s
AC switching capacity (resistive), max.	2000 VA	DC switching capacity (resistive), max.	192 W @ 24 V
Switch-on delay	<11 ms	Switch-off delay	≤ 9 ms
Contact type	2 CO contact (AgNi)	Mechanical service life	30 x 10 ⁶ switching cycles
Min. switching power	1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V		

General data

Operating altitude	≤ 2000 m, above sea level	
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

TRZ 120VUC 2CO

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Caractéristiques techniques

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	3.51 kV _{eff} / 1 min.	Type of isolation at input and output	reinforced insulation
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.	Type of isolation at neighbouring contacts	Basic insulation
Dielectric strength of open contact	1 kV _{eff} / 1 min	Dielectric strength to mounting rail	4 kV _{eff} / 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
-----------------------	------------	-------------------------	---------

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 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ECLASS 9.0	27-37-16-01	ECLASS 9.1	27-37-16-01
ECLASS 10.0	27-37-16-01	ECLASS 11.0	27-37-16-01
ECLASS 12.0	27-37-16-01	ECLASS 13.0	27-37-16-01
ECLASS 14.0	27-37-16-01		

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

TRZ 120VUC 2CO

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

www.weidmueller.com

Caractéristiques techniques

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity Confirmation of Standards EN 45545-2
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Package Insert – multilingual FL_TERM SERIES_RCL2CO_LOAD_GUIDE
Catalogues	Catalogues in PDF-format
Brochures	

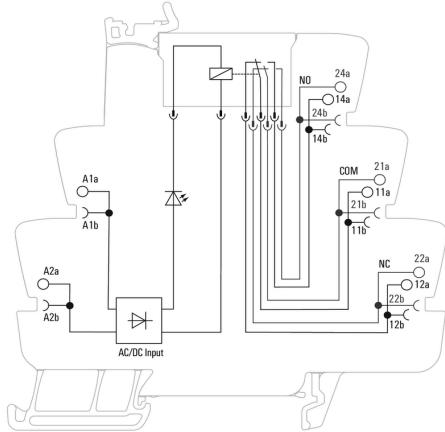
TRZ 120VUC 2CO

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

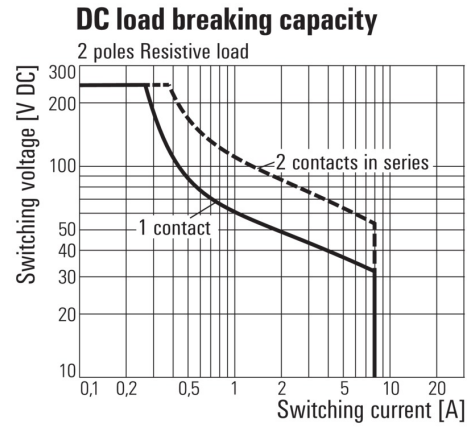
www.weidmueller.com

Dessins

Wiring diagram



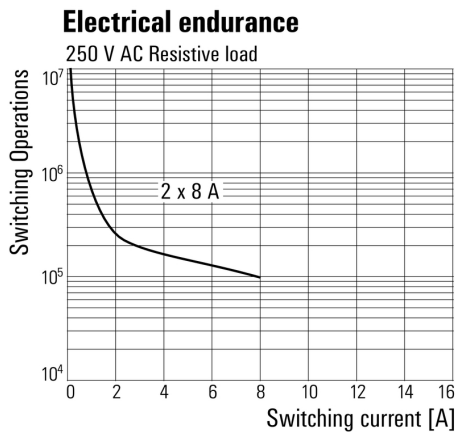
Graph



DC load limit curve

Resistive load

Graph



Electrical service life 230 V AC resistive load
 230 V AC resistive load

Dimensional drawing

