

RCL425005

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



Similar to illustration

Individual relays for TERMSERIES

- Electromechanical relays
- Different contact materials

General ordering data

Version	TERMSERIES, Relay, Number of contacts: 2, CO contact AgNi gold-plated, Rated control voltage: 5 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	1174490000
Type	RCL425005
GTIN (EAN)	4050118049701
Qty.	20 items

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Depth	15.7 mm	Depth (inches)	0.6181 inch
Height	29 mm	Height (inches)	1.1417 inch
Width	12.7 mm	Width (inches)	0.5 inch
Net weight	14.6 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...70 °C
Operating temperature		Humidity	40 °C / 93 % rel. humidity, no condensation

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Control side

Rated control voltage	5 V DC	Rated current DC	80 mA
Power rating	400 mW	Coil resistance	62 Ω ± 10 %
Status indicator	No		

Load side

Rated switching voltage	250 V AC	Continuous current	8 A
Max. switching frequency at rated load	0.1 Hz	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	≤ 8 ms	Switch-off delay	≤ 6 ms
Contact type	2 CO contact (AgNi gold-plated)	Mechanical service life	30 x 106 switching cycles
Min. switching power	1 mA @ 1 V		

General data

Test button available	No	Mechanical switch position indicator	No
Colour	Transparent	UL 94 flammability rating	V-2

Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Clearance and creepage distances for control side - load side	≥ 10 mm
Dielectric strength for control side - load side	5 kVeff / 1 min	Dielectric strength of neighbouring contacts	2.5 kVeff / 1 Min.
Dielectric strength of open contact	1 kVeff / 1 min	Protection degree	IP20

Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm
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Technical data

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		

Drawings

Wiring diagram



View of Pins from below

Graph



DC load limit curve Resistive load

Graph



Electrical service life 250 V AC resistive load



Miscellaneous



Type codes

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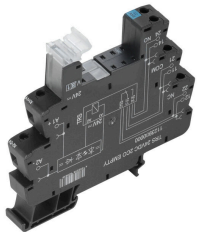
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Accessories

Screw connection



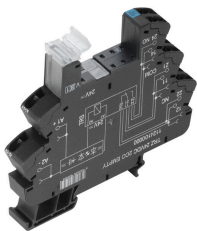
TERMSERIES empty sockets with:

- 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

Type	TRS 5VDC 2CO EMPTY	Version	
Order No.	1123950000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated	
GTIN (EAN)	4032248906154	control voltage: 5 V DC \pm 20 %, Continuous current: 10 A, Screw	
Qty.	10 ST	connection	

Tension clamp connection



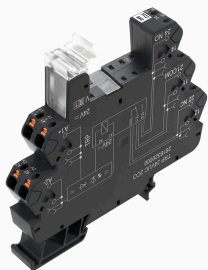
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General ordering data

Type	TRZ 5VDC 2CO EMPTY	Version	
Order No.	1124080000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated	
GTIN (EAN)	4032248905881	control voltage: 5 V DC \pm 20 %, Continuous current: 10 A, Tension-	
Qty.	10 ST	clamp connection	

PUSH IN connection



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General ordering data

Type	TRP 5VDC 2CO EMPTY	Version	
Order No.	2680850000	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated	
GTIN (EAN)	4050118695151	control voltage: 5 V DC \pm 20 %, Continuous current: 10 A, PUSH IN	
Qty.	10 ST		

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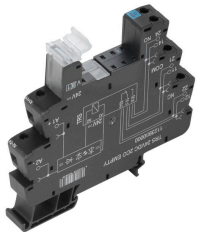
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Counterpart

Screw connection



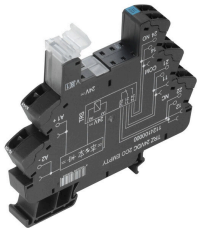
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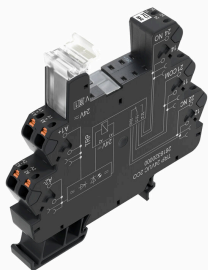
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