

## RCL424048

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Rated control voltage: 48 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	<a href="#">4058750000</a>
Type	RCL424048
GTIN (EAN)	4032248303212
Qty.	20 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E522350

## 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	12 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%

## Rated data UL

Certificate No. (cURus) E522350

## Control side

Rated control voltage	48 V DC	Rated current DC	8.7 mA
Power rating	420 mW	Coil resistance	5520 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)	Mechanical service life	30 x 106 switching cycles
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 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	Insulating material group	IIIa

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Clearance and creepage distances for control side - load side	≥ 10 mm	Dielectric strength for control side - load side	5 kVeff / 1min
Dielectric strength of neighbouring contacts	2.5 kVeff / 1 Min.	Dielectric strength of open contact	1 kVeff / 1 min
Protection degree	IP20		

### Further details of approvals / standards

Certificate No. (CSA)	249409-2426937	Certificate No. (VDE)	40020589
Certificate No. (cURus)	E522350		

### Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm
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### 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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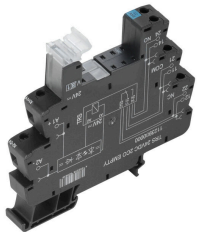
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## Accessories

## Screw connection



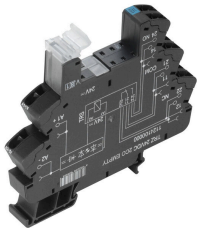
TERMSERIES empty sockets with:

- 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 48VUC 2CO EMPTY	Version	
Order No.	<a href="#">1124000000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, Screw connection	
GTIN (EAN)	4032248905850		
Qty.	10 ST		

## Tension clamp connection



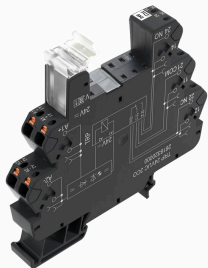
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## General ordering data

Type	TRZ 48VUC 2CO EMPTY	Version	
Order No.	<a href="#">1124120000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, Tension-clamp connection	
GTIN (EAN)	4032248905607		
Qty.	10 ST		

## PUSH IN 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	TRP 48VUC 2CO EMPTY	Version	
Order No.	<a href="#">2680990000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, PUSH IN	
GTIN (EAN)	4050118695199		
Qty.	10 ST		

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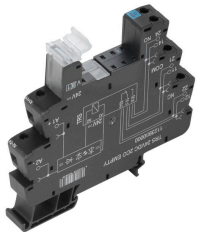
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## Counterpart

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## Screw connection



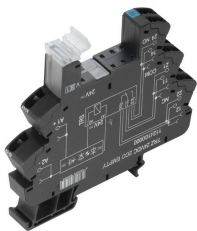
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## General ordering data

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Order No.	<a href="#">1124000000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated	
GTIN (EAN)	4032248905850	control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, Screw	
Qty.	10 ST	connection	

## Tension clamp connection



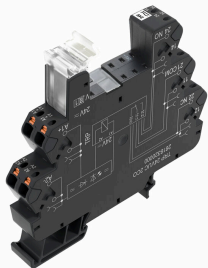
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Qty.	10 ST	clamp connection	

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Qty.	10 ST		