

**RCL425048****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: 48 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	<a href="#">1201230000</a>
Type	RCL425048
GTIN (EAN)	4050118049725
Qty.	20 items

## RCL425048

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Approvals

ROHS	Conform
------	---------

## 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%

## 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	6 A, 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
------------------------	--------------------	-----------------	---------

## 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		

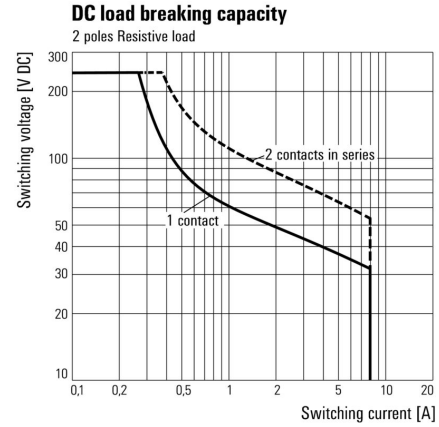
Drawings

Wiring diagram



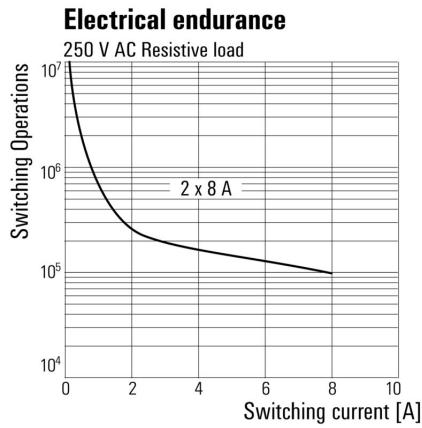
View of Pins from below

Graph

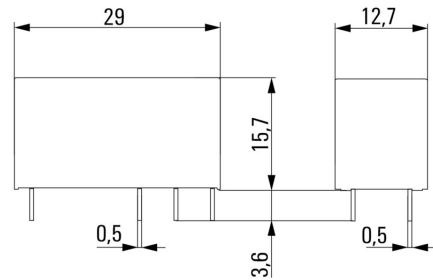


DC load limit curve Resistive load

Graph



Electrical service life 250 V AC resistive load



Miscellaneous



Type codes

## RCL425048

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

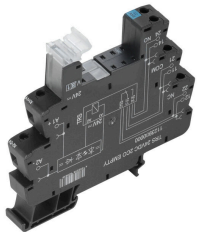
D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## Screw connection



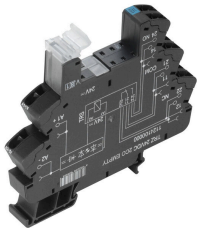
TERMSERIES empty sockets with:

- 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	
GTIN (EAN)	4032248905850	control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, Screw	
Qty.	10 ST	connection	

## Tension clamp connection



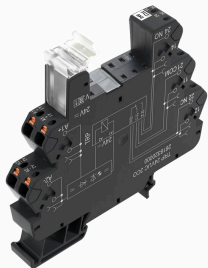
TERMSERIES empty sockets with:

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

## 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	
GTIN (EAN)	4050118695199	control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, PUSH IN	
Qty.	10 ST		

## RCL425048

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

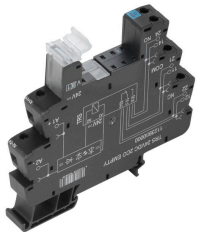
D-32758 Detmold

Germany

## Counterpart

www.weidmueller.com

## Screw connection



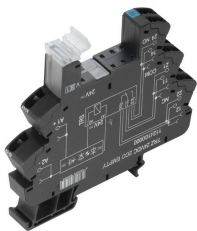
TERMSERIES empty sockets with:

- 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	
GTIN (EAN)	4032248905850	control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, Screw	
Qty.	10 ST	connection	

## Tension clamp connection



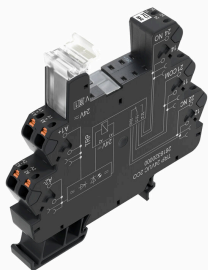
TERMSERIES empty sockets with:

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

## 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	
GTIN (EAN)	4050118695199	control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, PUSH IN	
Qty.	10 ST		