

**TERMSERIES  
RCL425048**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Product image**

Similar to illustration

TERMSERIES accessories include:

- Spare relay
- Base
- Partition plates
- Cross-connections
- Power-feed modules

**General ordering data**

Type	RCL425048
Order No.	<a href="#">1201230000</a>
Version	TERMSERIES, Relay, Number of contacts: 2 CO contact AgNi 5µm Au, Rated control voltage: 48 V DC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4050118049725
Qty.	20 pc(s).

Creation date May 2, 2020 1:58:16 PM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Width	12.7 mm	Width (inches)	0.5 inch
Height	29 mm	Height (inches)	1.142 inch
Depth	15.7 mm	Depth (inches)	0.618 inch
Net weight	12 g		

**Temperatures**

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

**Input**

Rated control voltage	48 V DC	Rated current DC	8.7 mA
Power rating	420 mW	Pull-in/drop-out voltage, typ.	33.6 V / 4.8 V DC
Coil resistance	5520 Ω ± 10 %		

**Output**

Rated switching voltage	250 V AC	Continuous current	8 A
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	Min. switching power	1 mA @ 1 V
Max. switching frequency at rated load	0.1 Hz		

**Contact data**

Contact type	2 CO contact (AgNi 5µm Au)	Mechanical service life	30 x 10 <sup>6</sup> switching cycles
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**General data**

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

**Insulation coordination**

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Protection degree	IP20
Dielectric strength, Input/Output	5 kV <sub>eff</sub> / 1min	Creepage and clearance distance input – output	≥ 10 mm
Dielectric strength of neighbouring contacts	2.5 kV <sub>eff</sub> / 1 Min.	Dielectric strength of open contact	1 kV <sub>eff</sub> / 1 min

**Further details of approvals / standards**

Standards	IEC 61810-1, UL508
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**Connection data**

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
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**Data sheet**

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**Classifications**

ETIM 6.0	EC001437	ETIM 7.0	EC001437
eClass 9.0	27-37-16-01	eClass 9.1	27-37-16-01
eClass 10.0	27-37-16-01	UNSPSC	30-21-19-17

**Approvals**

Approvals



ROHS Conform

**Downloads**

Brochure/Catalogue	<a href="#">CAT 4.2 ELECTR 18/19 EN</a>
Engineering Data	<a href="#">WSCAD</a>
Engineering Data	<a href="#">STEP</a>

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**Drawings**

**Wiring diagram**



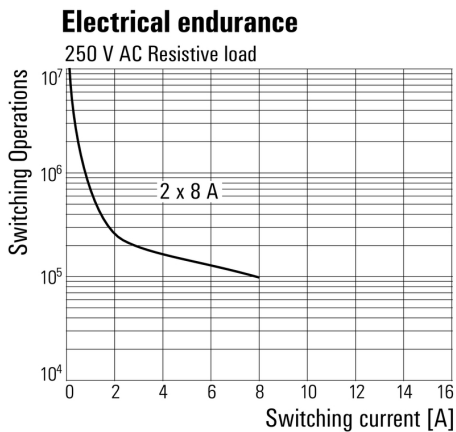
View of Pins from below

**Graph**



DC load limit curve  
Resistive load

**Graph**



Electrical service life  
250 V AC resistive load



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### Mating connector (fully pluggable)

#### Screw connection



TERMSERIES accessories include:

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#### General ordering data

Type	TRS 48VUC 2CO EMPTY	Version
Order No.	<a href="#">1124000000</a>	TERMSERIES, Relay bases, 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 pc(s).	

#### Tension clamp connection



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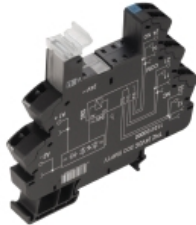
Type	TRZ 48VUC 2CO EMPTY	Version
Order No.	<a href="#">1124120000</a>	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, Tension-clamp connection
GTIN (EAN)	4032248905607	
Qty.	10 pc(s).	

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**Mating connector (fully pluggable)**

**PUSH IN connection**



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**General ordering data**

Type	TRP 48VUC 2CO EMPTY	Version
Order No.	<a href="#">2680990000</a>	TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 48 V UC ±10 %, Continuous current: 10 A, PUSH IN
GTIN (EAN)	4050118695199	
Qty.	10 pc(s).	with actuator

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# Accessories

### Screw connection



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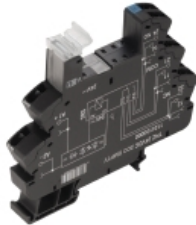
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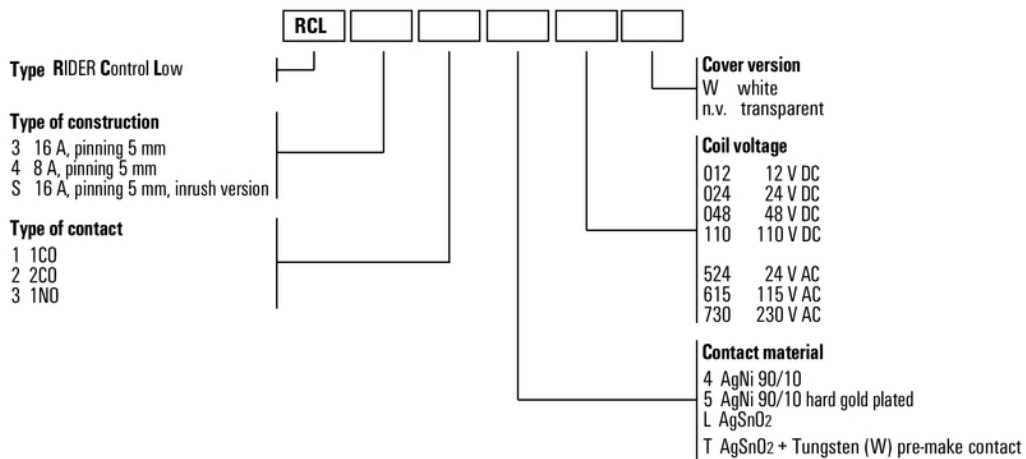
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**Drawings**

**Miscellaneous**



Type codes