

**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 pc(s).

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

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

**Temperatures**

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

**Rated data UL**

Certificate No. (cURus)	E522350
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**Control side**

Rated control voltage	48 V DC	Rated current DC	8.7 mA
Power rating	420 mW	Coil resistance	5520 $\Omega \pm 10\%$
Coil tolerance	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	$\leq 8$ ms	Switch-off delay	$\leq 6$ ms
Contact type	2 CO contact (AgNi)	Mechanical service life	30 x 10 <sup>6</sup> 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
Clearance and creepage distances for control side - load side	$\geq 10$ mm	Dielectric strength for control side - load side	5 kV <sub>eff</sub> / 1 min
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
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 mm
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Creation date May 23, 2024 11:43:28 AM CEST

Catalogue status 18.05.2024 / We reserve the right to make technical changes.

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****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

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E522350

**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">FL_TERMSERIES_RCL2CO_LOAD_GUIDE</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

## RCL424048

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

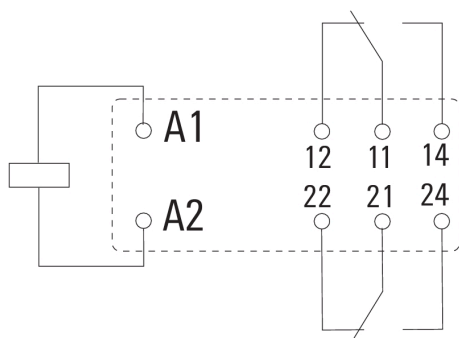
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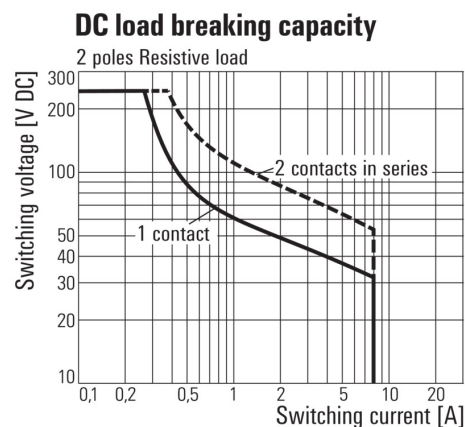
## Drawings

## Wiring diagram

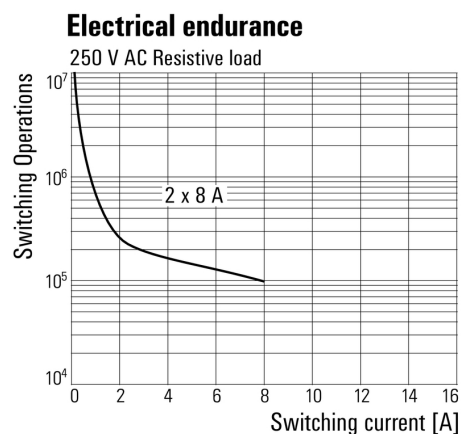
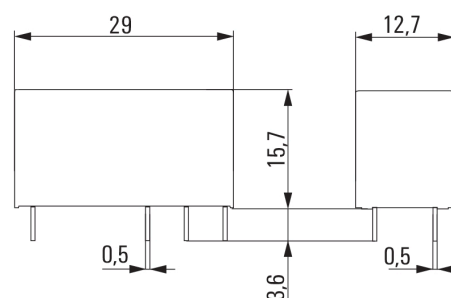


View of Pins from below

## Graph

DC load limit curve  
Resistive load

## Graph

Electrical service life  
250 V AC resistive load

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[www.weidmueller.com](http://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 pc(s).	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 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****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**

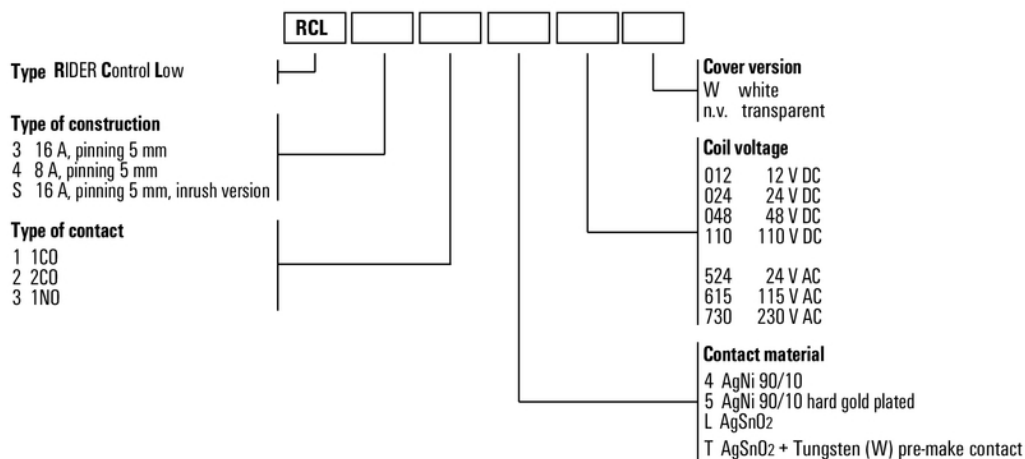
Type	TRZ 48VUC 2CO EMPTY	Version
Order No.	<a href="#">1124120000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248905607	control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection

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Type codes