

**RCL424024****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

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: 24 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	<a href="#">4058570000</a>
Type	RCL424024
GTIN (EAN)	4032248189298
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	12.577 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	24 V DC	Rated current DC	16.7 mA
Power rating	400 mW	Coil resistance	1440 $\Omega \pm 10\%$
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 12, 2024 2:01:14 AM CEST

Catalogue status 04.05.2024 / We reserve the right to make technical changes.

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## 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	

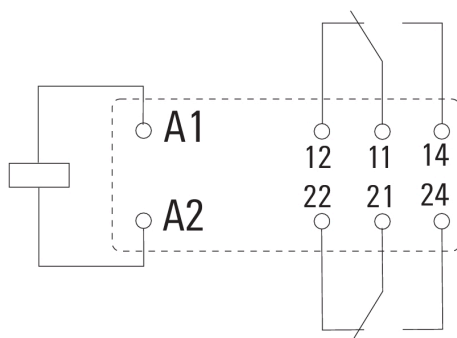
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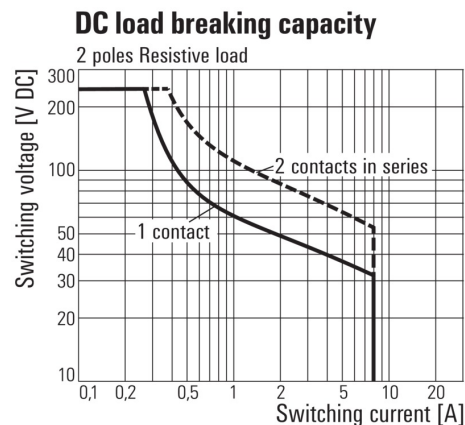
## Drawings

### Wiring diagram



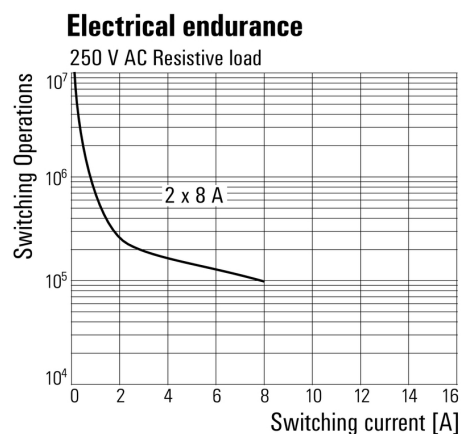
View of Pins from below

### Graph

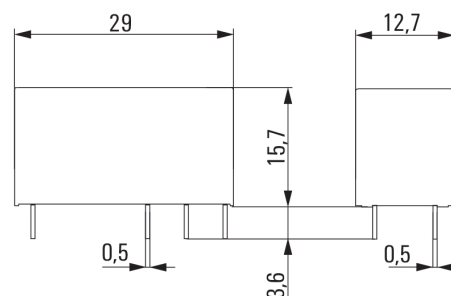


DC load limit curve  
Resistive load

### Graph



Electrical service life  
250 V AC resistive load



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## 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 24VDC 2CO EMPTY	Version
Order No.	<a href="#">1123980000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248905997	control voltage: 24 V DC $\pm 20\%$ , Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection
Type	TRS 24VUC 2CO EMPTY	Version
Order No.	<a href="#">1123990000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248905805	control voltage: 24 V UC $\pm 10\%$ , Continuous current: 10 A, Screw
Qty.	10 pc(s).	connection
Type	TRS 24-230VUC 2CO EMPTY	Version
Order No.	<a href="#">1124070000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248906024	control voltage: 24...230 V UC $\pm 10\%$ , Continuous current: 10 A,
Qty.	10 pc(s).	Screw 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 24VDC 2CO EMPTY	Version
Order No.	<a href="#">1124100000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248906048	control voltage: 24 V DC $\pm 20\%$ , Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection
Type	TRZ 24VUC 2CO EMPTY	Version
Order No.	<a href="#">1124110000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248906031	control voltage: 24 V UC $\pm 10\%$ , Continuous current: 10 A, Tension-
Qty.	10 pc(s).	clamp connection
Type	TRZ 24-230VUC 2CO EMPTY	Version
Order No.	<a href="#">1124190000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4032248905782	control voltage: 24...230 V UC $\pm 10\%$ , Continuous current: 10 A,
Qty.	10 pc(s).	Tension-clamp connection

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**Accessories****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**

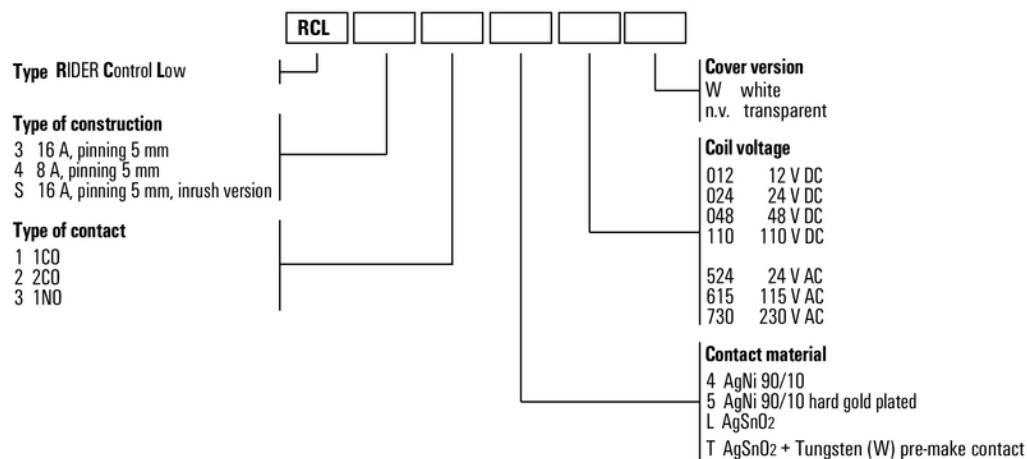
Type	TRP 24VUC 2CO EMPTY	Version
Order No.	<a href="#">2680980000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4050118695182	control voltage: 24 V UC $\pm 10\%$ , Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	
Type	TRP 24VDC 2CO EMPTY	Version
Order No.	<a href="#">2680970000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4050118695175	control voltage: 24 V DC $\pm 20\%$ , Continuous current: 10 A, PUSH IN
Qty.	10 pc(s).	
Type	TRP 24-230VUC 2CO EMPTY ...	Version
Order No.	<a href="#">2663060000</a>	TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated
GTIN (EAN)	4050118698015	control voltage: 24...230 V UC $\pm 10\%$ , Continuous current: 10 A,
Qty.	10 pc(s).	PUSH IN

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Type codes