

**RCL314048****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: 1, CO contact AgNi, Rated control voltage: 48 V DC, Continuous current: 16 A, Plug-in connection, Test button available: No
Order No.	<a href="#">8693380000</a>
Type	RCL314048
GTIN (EAN)	4032248364824
Qty.	20 items
Delivery status	This article will no longer be available in the future.
Last order date	2025-06-30T00:00:00+02:00
Alternative product	<a href="#">CRI10048</a>

RCL314048

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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	14.35 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
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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 Ω ± 10 %
Status indicator	No		

## Load side

Rated switching voltage	250 V AC	Continuous current	16 A
Max. switching frequency at rated load	0.1 Hz	Inrush current	30 A / 4 s
AC switching capacity (resistive), max.	4000 VA	DC switching capacity (resistive), max.	384 W @ 24 V
Switch-on delay	≤ 8 ms	Switch-off delay	≤ 6 ms
Contact type	1 CO contact (AgNi)	Mechanical service life	AC coil 10 x 10 <sup>6</sup> switching cycles, DC coil 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

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### Insulation coordination

Rated voltage	400 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Clearance and creepage distances for control side - load side	≥ 10 mm	Dielectric strength for control side - load side	1.2 kVeff / 5 s
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

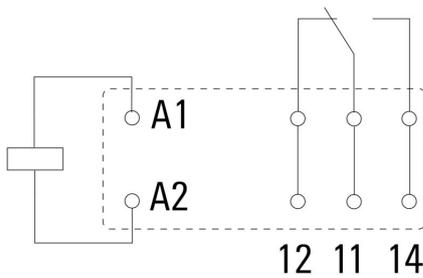
Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm
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### Classifications

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		

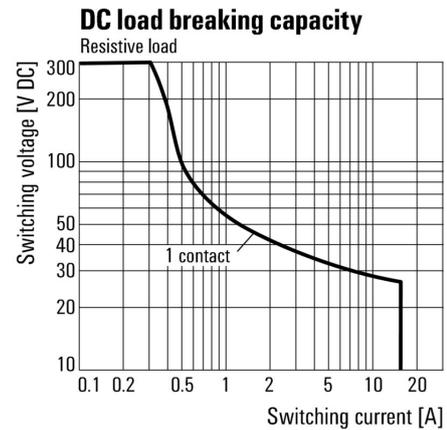
Drawings

Wiring diagram



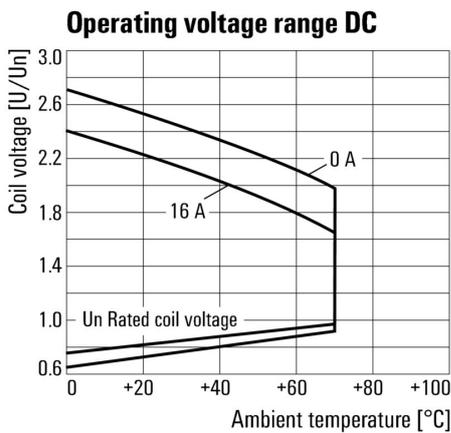
View of Pins from below

Graph



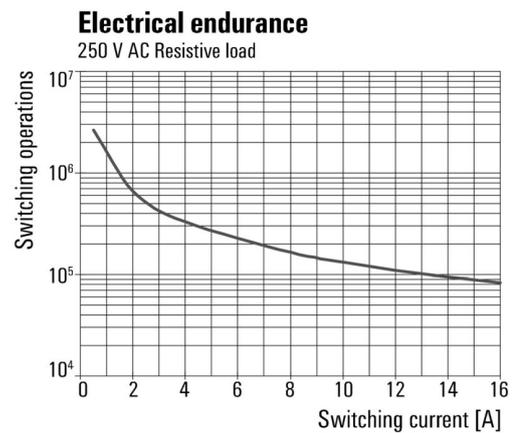
DC load limit curve Resistive load

Graph



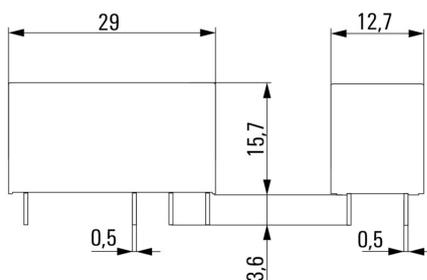
DC operational voltage range

Graph

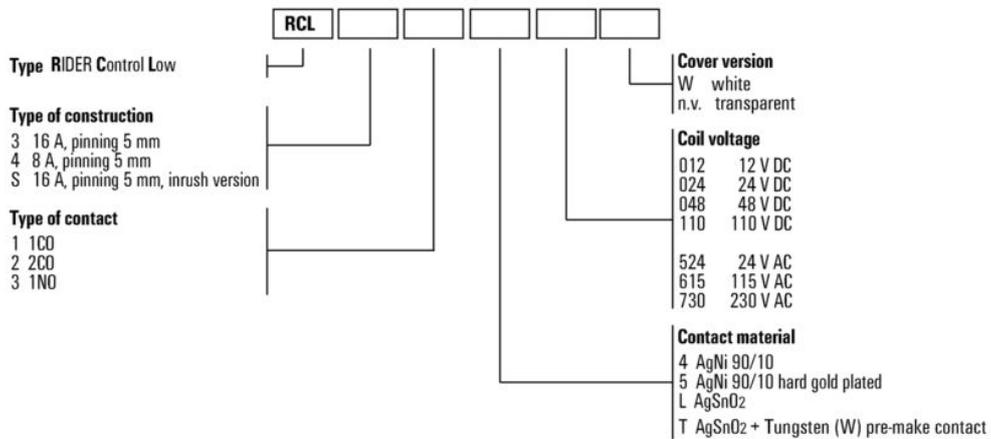


Electrical service life

Dimensional drawing



Miscellaneous



Type codes