

**RIDERSERIES RCI  
RCI314048**

**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

Standard relays in the RIDERSERIES RCI.

- 1 CO contact
- Optionally AC or DC coils

**General ordering data**

Type	RCI314048
Order No.	<a href="#">8869820000</a>
Version	RIDERSERIES RCI, Relay, Number of contacts: 1, CO contact AgNi 90/10, Rated control voltage: 48 V DC, Continuous current: 16 A, Plug-in connection
GTIN (EAN)	4032248613175
Qty.	10 pc(s).

Creation date September 12, 2020 10:08:02 AM CEST

Catalogue status 28.08.2020 / We reserve the right to make technical changes.

## Data sheet

### RIDERSERIES RCI RCI314048

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

## Technical data

### Dimensions and weights

Width	13 mm	Width (inches)	0.512 inch
Height	29 mm	Height (inches)	1.142 inch
Depth	25.6 mm	Depth (inches)	1.008 inch
Net weight	16.9 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		

### Rated data UL

Certificate No. (cURus)	E224238
-------------------------	---------

### Input

Rated control voltage	48 V DC	Rated current DC	8.7 mA
Power rating	400 mW	Pull-in/drop-out voltage, typ.	33.6 V / 4.8 V DC
Coil resistance	5520 Ω ± 10 %		

### Output

Rated switching voltage	240 V AC		
Rated switching voltage	Voltage type	AC	
	max.	250 V	
Max. switching voltage, AC	400 V		
Continuous current	16 A		
Continuous current	Current	16 A	
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		
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V		
Max. switching frequency at rated load	0.1 Hz		

### Contact data

Contact type	Mechanical service life	AC coil 5 x 10 <sup>6</sup> switching cycles, DC coil 10 x 10 <sup>6</sup> switching cycles
	1 CO contact (AgNi 90/10)	

### General data

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

## RIDERSERIES RCI RCI314048

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

## Technical data

### Insulation coordination

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Insulating material group	IIIa
Dielectric strength, Input/Output	5 kV <sub>eff</sub> / 1min	Creepage and clearance distance input – output	≥ 8 mm
Dielectric strength of open contact	1 kV <sub>eff</sub> / 1 min	Impulse withstand voltage	5 kV (1.2/50 µs)

### Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40018043	Certificate No. (cURus)	E224238

### Connection data

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

### 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

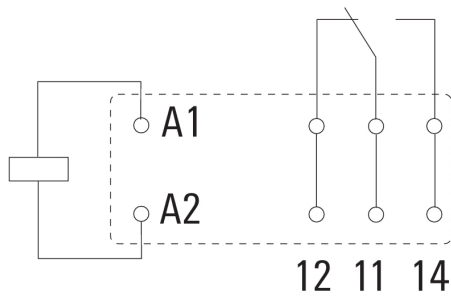
Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT 4.2 ELECTR 18/19 EN</a>
Engineering Data	<a href="#">EPLAN.WSCAD</a>
Engineering Data	<a href="#">STEP</a>

**RIDERSERIES RCI  
RCI314048**

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

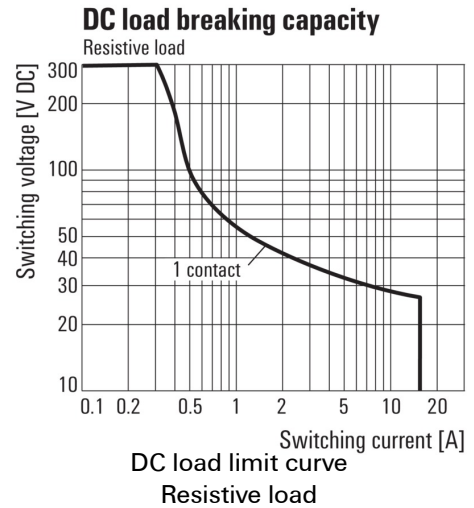
**Drawings**

**Wiring diagram**

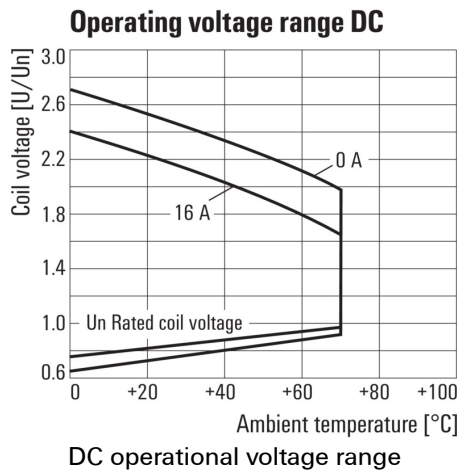


View of Pins from below

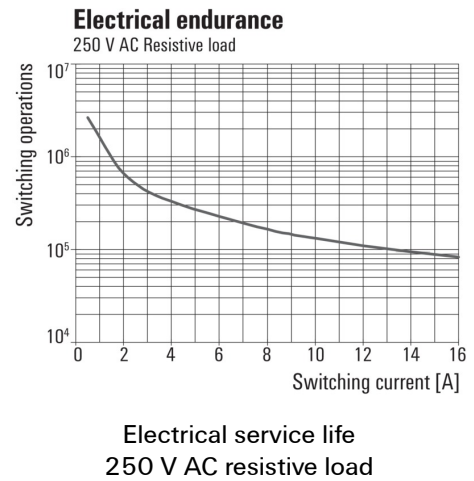
**Graph**



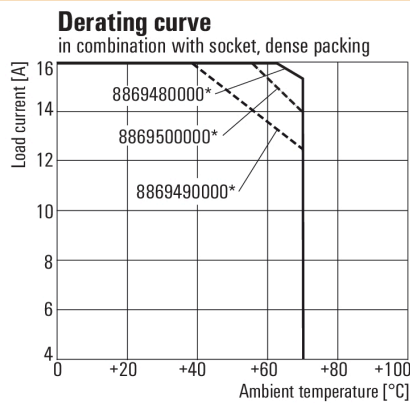
**Graph**



**Graph**



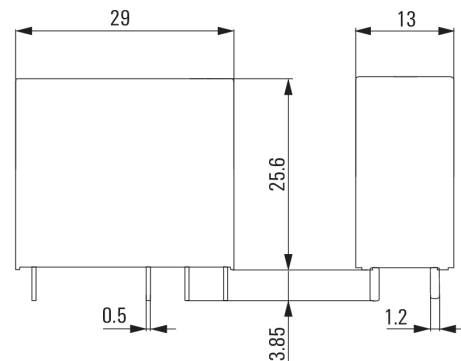
**Graph**



\* For full continuous current (16 A), socket connections 11-21, 12-22 and 14-24 must be bridged.

**Derating curve**  
Relay in combination with base

**Dimensional drawing**

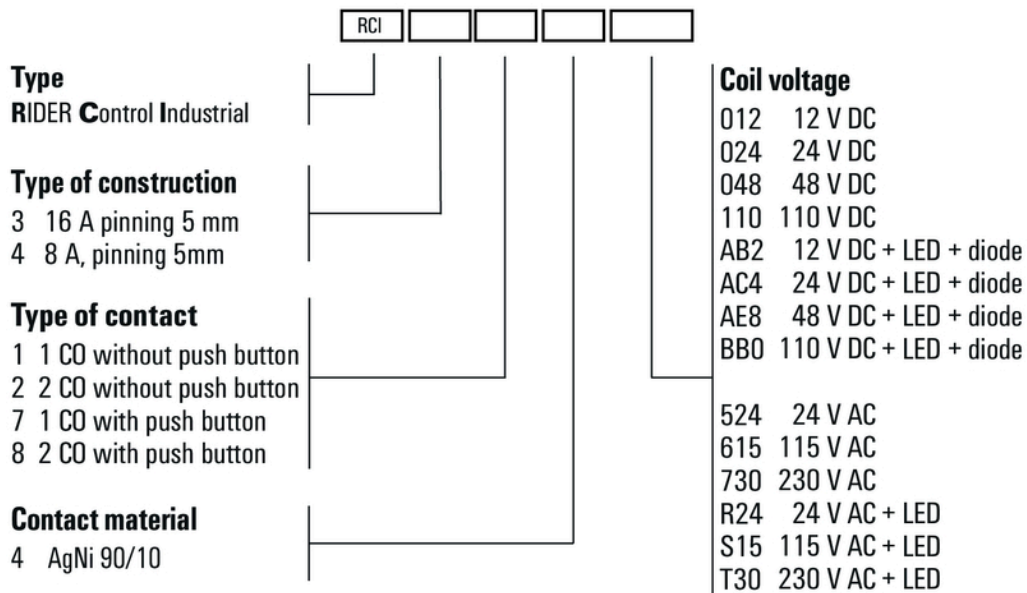


**RIDERSERIES RCI  
RCI314048**

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

**Drawings**

**Miscellaneous**



Type codes