

**RT314110 110VDC 1CO**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

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

**Product image**

Similar to illustration

**General ordering data**

Version	RIDERSERIES, Relay, Number of contacts: 1, CO contact AgNi 90/10, Rated control voltage: 110 V DC, Continuous current: 16 A, Plug-in connection, Test button available: No
Order No.	<a href="#">8630770000</a>
Type	RT314110 110VDC 1CO
GTIN (EAN)	4032248291908
Qty.	20 items
Delivery status	This article will no longer be available in the future.
Available until	2025-06-30T00:00:00+02:00
Alternative product	<a href="#">CRI10110</a>

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## Technical data

### Approvals

ROHS	Conform
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### 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	13.51 g		

### Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85 °C
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### Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

### Control side

Rated control voltage	110 V DC	Power rating	400 mW // 0.75 VA
Status indicator	No		

### Load side

Rated switching voltage	250 V AC	Max. switching frequency at rated load	0.1 Hz
Max. switching voltage, AC	400 V	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 90/10)
Mechanical service life	3 x 10 <sup>7</sup> switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V

### General data

Test button available	No	Mechanical switch position indicator	No
UL 94 flammability rating	V-0		

### Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Creepage and clearance distance input → 10 mm output		Dielectric strength, Input/Output	5 kVeff / 1 min
Dielectric strength of open contact	1 kVeff / 1 min	Protection degree	IP40

### 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		

**RT314110 110VDC 1C0**

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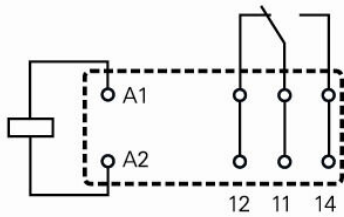
**Drawings**

**Wiring diagram**

**Circuit diagram**

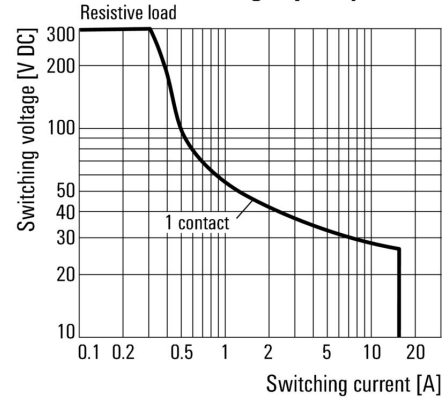
View on pins

1 C/O changeover contacts



**Graph**

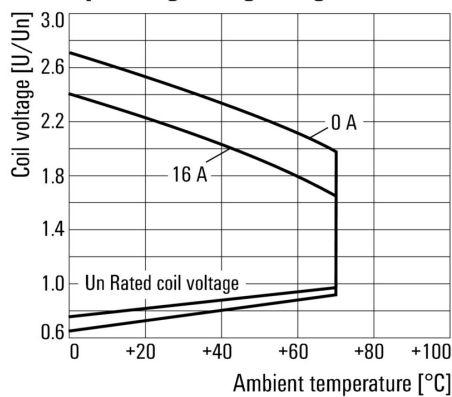
**DC load breaking capacity**



DC load limit curve

**Graph**

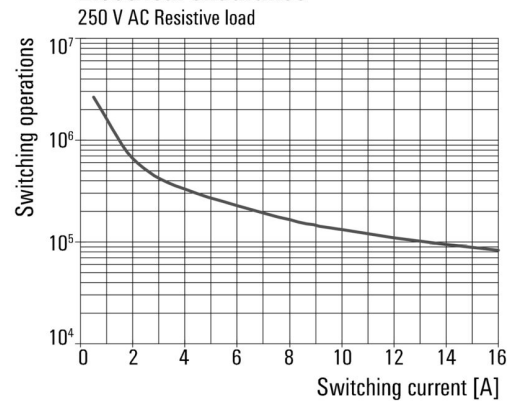
**Operating voltage range DC**



DC operational voltage range

**Graph**

**Electrical endurance**



Electrical service life

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## Counterpart

www.weidmueller.com

## Sockets



Relay sockets for the RIDERSERIES RCI relays

- 1 and 2 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

## General ordering data

Type	SRC-I 2CO	Version
Order No.	<a href="#">8869490000</a>	RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248614448	Continuous current: 8 A, Screw connection
Qty.	10 ST	
Type	SRC-I 2CO N	Version
Order No.	<a href="#">8869480000</a>	RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248614431	Continuous current: 8 A, Screw connection
Qty.	10 ST	
Type	SRC-I 2CO P	Version
Order No.	<a href="#">8869500000</a>	RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248614455	Continuous current: 8 A, PUSH IN
Qty.	10 ST	