



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

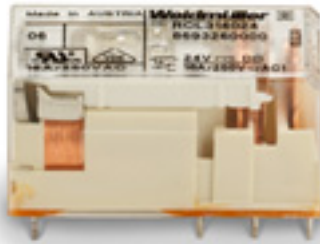
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## RIDERSERIES RT314110 110VDC 1CO

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-2083  
 www.weidmueller.com



Weidmüller RIDERSERIES relays guarantee a noise-free, decoupled signal transmission in industrial automation concepts.

They are available in various forms, are quickly installed, are compact, and can be fitted in the smallest of spaces.

- 1 or 2 NO contacts
- 1, 2, 3 or 4 changeover contacts
- optionally available with hard gold-plated contacts

### General ordering data

Order No.	<a href="#">4058500000</a>
Part designation	RT314110 110VDC 1CO
Version	RIDERSERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 110 V DC, Plug-in connection
GTIN (EAN)	4032248189304
Qty.	20 pc(s).

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## Technical data

### Dimensions

Length	29 mm	Width	12.7 mm
Height	19.5 mm	Weight	14 g

### Temperature

Ambient temperature (operational)	-40 °C...+85 °C	Storage temperature	
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### Input

Rated control voltage	110 V DC	Power rating	400mW // 0.75VA
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### Output

Continuous current	16 A	Duration of Bounce	Shutter/break contact element: typ.1/3ms
Max. switching current	16 A	Min. switching current	10 mA
Sparkover time / Drop-out time	DC coil: typ. 7/3 ms // AC coil: 9/45 ms	Switching voltage AC, max.	250 V
max. switching capacity	4 kVA	min. switching capacity	100 mW

### Contact data

Contact design	CO contact	No. of contacts	1
Contact material	AgNi 90/10	Mechanical service life	3 x 10 <sup>7</sup> switching cycles

### Rated data

Conductor connection system	Plug-in connection	Flammability class UL 94	V-0
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### Insulation coordination (EN 50 178)

Dielectric strength for control side - load side 5 kV	Protection class	IP 40
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### Other technical data

Version	Relay coupler
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### Approvals

Approvals institutes

### Classifications

ETIM 2.0	EC001437	ETIM 3.0	EC001437
eClass 5.1	27-37-16-01	eClass 6.0	90-27-14-01

**RIDERSERIES  
RT314110 110VDC 1CO**

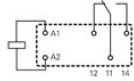
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**Drawings**

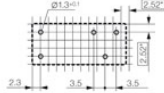
**Electric symbol**

**PCB layout / terminal assignment**  
 View on solder pins,  
 dimensions in mm

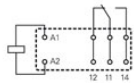
1 C/O changeover contacts



12 A, Pinning 3.5 mm



1 C/O changeover contacts



16 A, Pinning 5 mm

