

## 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**

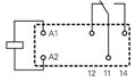
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**Drawings**

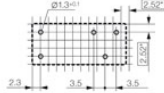
**Electric symbol**

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

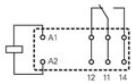
1 C/O changeover contacts



12 A, Pinning 3.5 mm



1 C/O changeover contacts



16 A, Pinning 5 mm

