

RT314110 110VDC 1CO

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

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.	4058500000
Type	RT314110 110VDC 1CO
GTIN (EAN)	4032248189304
Qty.	20 items

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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	17 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85
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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
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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 ⁷ 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 output	≥ 10 mm	Dielectric strength, Input/Output	5 kVeff / 1min
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		

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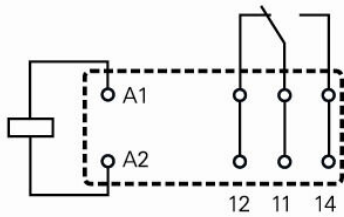
Drawings

Wiring diagram

Circuit diagram

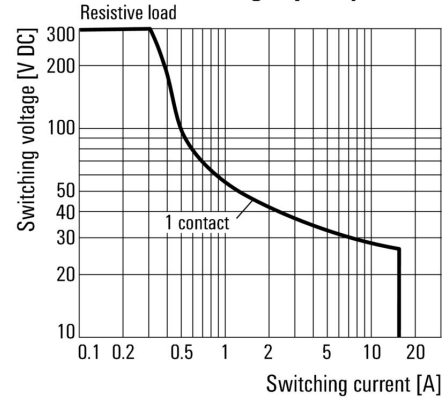
View on pins

1 C/O changeover contacts



Graph

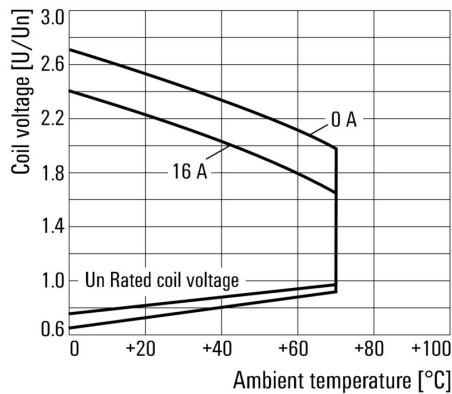
DC load breaking capacity



DC load limit curve

Graph

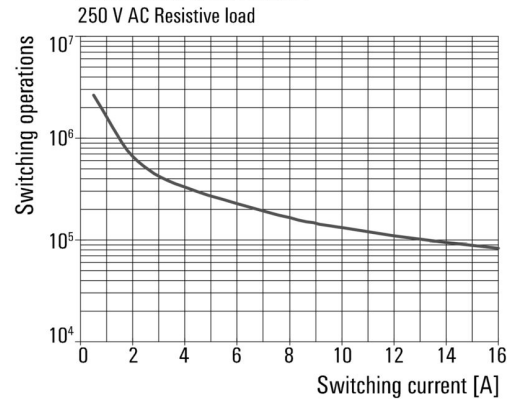
Operating voltage range DC



DC operational voltage range

Graph

Electrical endurance



Electrical service life