

RT314024 24VDC 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: 24 V DC, Continuous current: 16 A, Plug-in connection
Order No.	8630780000
Type	RT314024 24VDC 1CO
GTIN (EAN)	4032248292110
Qty.	20 pc(s).

Creation date March 29, 2021 11:01:46 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	15.7 mm	Depth (inches)	0.618 inch
Height	29 mm	Height (inches)	1.142 inch
Net weight	13.75 g	Width	12.7 mm
Width (inches)	0.5 inch		

Temperatures

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

REACH SVHC	Lead 7439-92-1
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Control side

Power rating	400 mW // 0.75 VA	Rated control voltage	24 V DC
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Load side

AC switching capacity (resistive), max.	4000 VA	DC switching capacity (resistive), max.	384 W @ 24 V
Duration of Bounce	Shutter/break contact element: typ. 1/3ms	Max. switching frequency at rated load	0.1 Hz
Max. switching voltage, AC	400 V	Min. switching power	1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V
Switch-off delay	≤ 6 ms	Switch-on delay	≤ 8 ms

Contact data

Contact type	1 CO contact (AgNi 90/10)	Mechanical service life	3 x 10 ⁷ switching cycles
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General data

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

Insulation coordination

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

Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
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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	ECLASS 11.0	27-37-16-01

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Technical data

Approvals

Approvals



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Engineering Data

[EPLAN, WSCAD](#)

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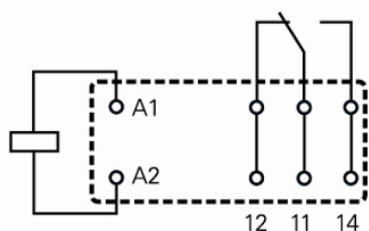
Drawings

Wiring diagram

Circuit diagram

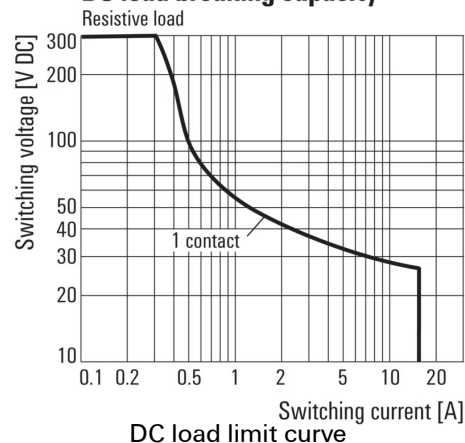
View on pins

1 C/O changeover contacts



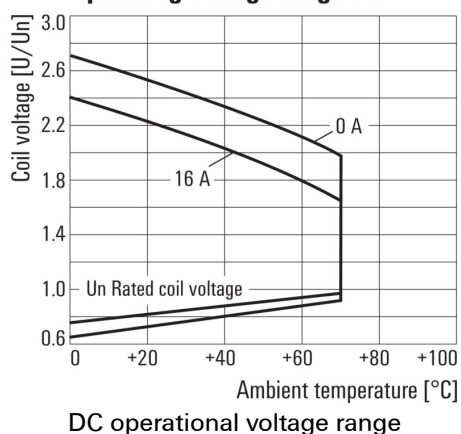
Graph

DC load breaking capacity



Graph

Operating voltage range DC



Graph

Electrical endurance

