

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, Test button available: No
Order No.	8630780000
Type	RT314024 24VDC 1CO
GTIN (EAN)	4032248292110
Qty.	20 Stück

Erstellungs-Datum May 25, 2023 12:01:08 PM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

RT314024 24VDC 1CO

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technische Daten

Dimensions and weights

Depth	15.7 mm	Depth (inches)	0.618 inch
Height	29 mm	Height (inches)	1.142 inch
Width	12.7 mm	Width (inches)	0.5 inch
Net weight	13.65 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	85 °C

Control side

Rated control voltage	24 V DC	Power rating	400 mW // 0.75 VA
Status indicator	No		

Load side

Rated switching voltage	250 V AC	Continuous current	16 A
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 kV _{eff} / 1 min
Dielectric strength of open contact	1 kV _{eff} / 1 min	Protection degree	IP40

Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
------------------------	--------------------	-----------------	------

Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	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	ECLASS 12.0	27-37-16-01

Environmental Product Compliance

REACH SVHC	4,4'-isopropylidenediphenol 80-05-7
------------	-------------------------------------

RT314024 24VDC 1CO

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

www.weidmueller.com

Technische Daten

Approvals

Approvals



ROHS

Conform

Downloads

Engineering Data

[WSCAD, EPLAN](#)

Catalogues

[Catalogues in PDF-format](#)

RT314024 24VDC 1CO

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

www.weidmueller.com

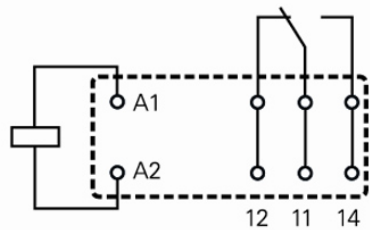
Zeichnungen

Wiring diagram

Circuit diagram

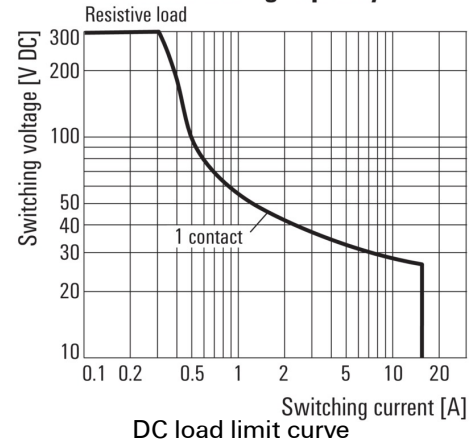
View on pins

1 C/O changeover contacts



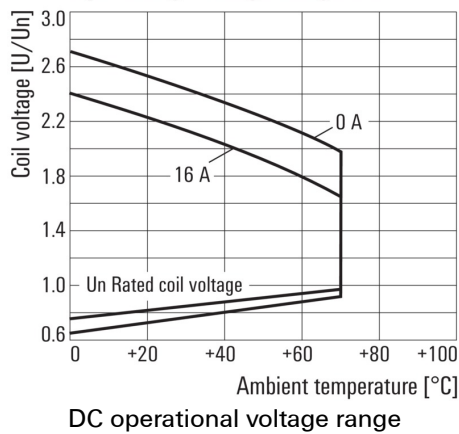
Graph

DC load breaking capacity



Graph

Operating voltage range DC



Graph

Electrical endurance

