Data sheet

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 items
Delivery status	This article will no longer be available in the future.
Available until	2025-06-30T00:00:00+02:00
Alternative product	CRI10024

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Technical data

Approvals

ROHS	Conform

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	12.01 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	4,4'-isopropylidenediphenol 80-05-7
SCIP	6975dc0f-b38a-46ce-8f2f-8468124a3e22

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	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 107 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

Classifications

ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01

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Technical data

ECLASS 15.0	27-37-16-01

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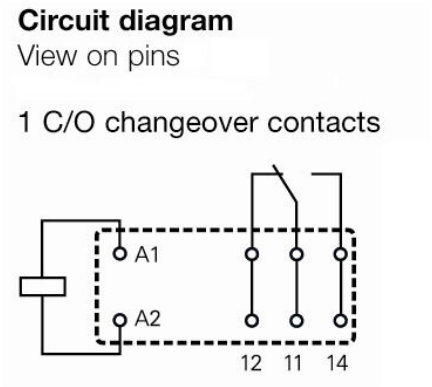
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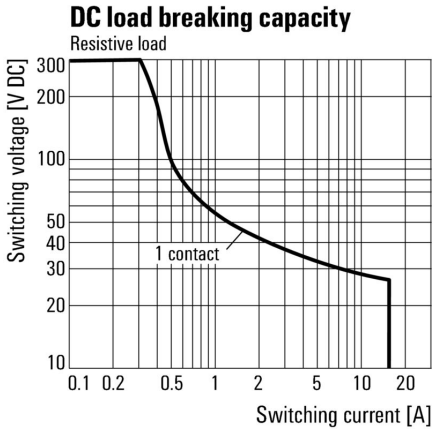
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Drawings

Wiring diagram

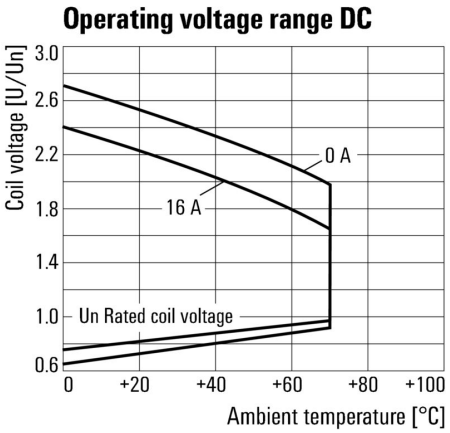


Graph



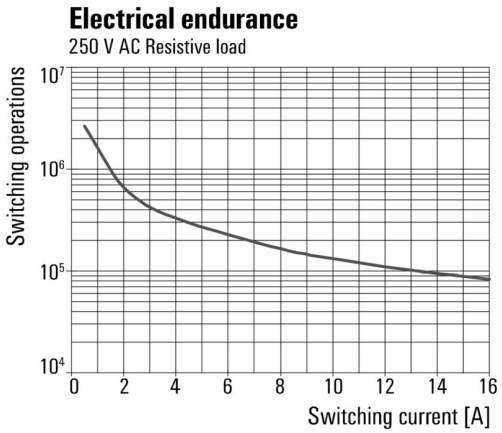
DC load limit curve

Graph



DC operational voltage range

Graph



Electrical service life

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Counterpart

Sockets



Relay sockets for the RIDERSERIES RCI relays
- 1 and 2 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

General ordering data

Type	SRC-I 2CO	Version
Order No.	8869490000	RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248614448	Continuous current: 8 A, Screw connection
Qty.	10 ST	
Type	SRC-I 2CO N	Version
Order No.	8869480000	RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248614431	Continuous current: 8 A, Screw connection
Qty.	10 ST	
Type	SRC-I 2CO P	Version
Order No.	8869500000	RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248614455	Continuous current: 8 A, PUSH IN
Qty.	10 ST	

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