

RIDERSERIES
RT314024 24VDC 1CO**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



Standard relays in the RIDERSERIES RCL

- 1 CO contact
- Low height of 15.7 mm

General ordering data

Order No.	8630780000
Type	RT314024 24VDC 1CO
Version	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection
GTIN (EAN)	4032248292110
Qty.	20 pc(s).

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Technical data
Ratings

Conductor connection system	Plug-in connection	Weight	14 g
UL 94 flammability rating	V-0	Ambient temperature	-40 °C...+85 °C

Dimensions and weights

Width	12.7 mm	Height	29 mm
Depth	15.7 mm	Weight	14 g
Net weight	13.8 g		

Temperatures

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

Input

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

Max. switching voltage, AC	400 V	Continuous current	16 A
Max. switching power	4 kVA	Response time	DC coil: typ. 7/3 ms // AC coil: 9/45 ms
Duration of Bounce	Shutter/break contact element: typ. 1/3ms	Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching frequency at rated load	0.1 Hz		

Contact specifications

No. of contacts	1	Contact design	CO contact
Contact material	AgNi 90/10	Mechanical service life	3 x 10 ⁷ switching cycles

Insulation coordination

Rated voltage	250 V	Clearance and creepage distances for control side - load side	≥ 10 mm
Dielectric strength for control side - load side	5 kV _{eff} / 1min	Protection degree	IP 40
Insulating material group	IIIa		

Other technical data

Version	Relay
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Classifications

ETIM 2.0	EC001437	ETIM 3.0	EC001437
UNSPSC	30-21-19-17	eClass 4.1	40-02-06-14
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

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Technical data

Approvals

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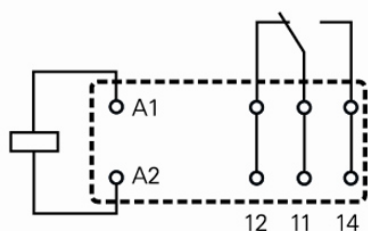
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Drawings**Electric symbol****Circuit diagram**

View on pins

1 C/O changeover contacts



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Mating connector (fully pluggable)
Base


- Coupling relay with positively driven contacts: for monitoring signals within safety-critical circuits
- Relays with positively driven contacts have a 99% diagnostics coverage and an excellent reputation for use in safety systems.
- The contacts interlock with each other in order to ensure a synchronous switching status between both contacts. This guarantees that the alert contact will maintain the same switching status in the event of an error (for example, if the working contact melts from an overload).

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8690830000	SRC 2CO	RIDERSERIES, Relay base, Screw connection	4032248361519	10 pc(s).
8783930000	SRC 2CO Z	RIDERSERIES, Relay base, Tension clamp connection	4032248471430	10 pc(s).

Base


Relay base for RIDERSERIES RCL relays

- Screw and tension clamp connection
- Standard and low heights
- Plug-in frame for PCB connections

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8693930000	SRC 2CO N	RIDERSERIES, Relay base, Screw connection	4032248365418	10 pc(s).

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Mating connector (fully pluggable)**Base**

Relay base for the RIDERSERIES RCI relays

- 1 and 2 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8869500000	SRC-I 2CO P	RIDERSERIES, Relay base, Continuous current: 16 A ⁽¹⁾ , 8 A, PUSH IN spring connection	4032248614455	10 pc(s).