

**RIDERSERIES
RCL314024**

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.	8693260000
Type	RCL314024
Version	RIDERSERIES, Relays, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection
GTIN (EAN)	4032248364718
Qty.	20 pc(s).

RIDERSERIES
RCL314024

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Ratings**

Conductor connection system	Plug-in connection	Humidity	40 °C / 93 % rel. humidity, no condensation
UL 94 flammability rating	V-0	Weight	14 g

Dimensions

Length	29 mm	Width	12.7 mm
Height	15.7 mm	Weight	14 g
Net weight	12.8 g		

Temperatures

Operating temperature	-40 °C...+70 °C	Storage temperature	-20 °C...+85 °C
-----------------------	-----------------	---------------------	-----------------

Input

Coil resistance	1,440 Ω ±10 %	Power rating	400 mW
Pull-in (sparkover) / drop-out voltage DC coil	16.8 V / 2.4 V	Rated control voltage	24 V DC
Rated current DC	16.7 mA	Status indicator	No

Output

Continuous current	16 A	Max. switching frequency at rated load	0.1 Hz
Max. switching power	4000 VA	Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Rated switching voltage	250 V AC	Switch-off delay	≤ 6 ms
Switch-on delay	≤ 8 ms	making current	30 A / 4 s

Contact specifications

No. of contacts	1	Contact design	CO contact
Mechanical service life	AC coil 10 x 10 ⁶ Switching cycles, DC coil 30 x 10 ⁶ Switching cycles	Contact material	AgNi 90/10

Insulation coordination (EN 50 178)

Clearance and creepage distances for control side - load side	≥ 10 mm	Dielectric strength for control side - load side	5 kV _{eff} / 1min
Insulating material group	IIIa	Protection degree	IP20
Rated voltage	250 V		

Other technical data

Free-wheel diode	No	Status indicator	No
Version	Relay		

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		

Data sheet...

**RIDERSERIES
RCL314024**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Approvals

Approvals

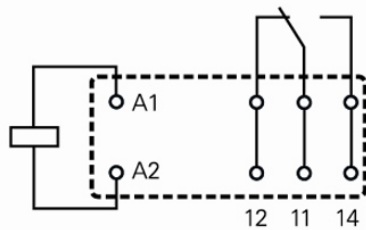


**RIDERSERIES
RCL314024**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings**Electric symbol****Circuit diagram**[View on pins](#)

1 C/O changeover contacts



**RIDERSERIES
RCL314024**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (fully pluggable)

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, Accessories	4032248365418	10 pc(s).

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, Accessories,	4032248614455	10 pc(s).
Continuous current: 16 A ⁽¹⁾ , 8 A, PUSH IN spring connection				

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.
8783930000	SRC 2CO Z	RIDERSERIES, Accessories	4032248471430	10 pc(s).

**RIDERSERIES
RCL314024**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (fully pluggable)

[8690830000](#) SRC 2CO

RIDERSERIES, Accessories 4032248361519 10 pc(s).