

**RIDERSERIES
SRC-I 2CO**

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



Relay base 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
Order No.	8869490000
Version	RIDERSERIES, Relay base, Continuous current: 16 A ⁽¹⁾ , 8 A, Screw connection
GTIN (EAN)	4032248614448
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	16 mm	Height	77 mm
Depth	62 mm	Weight	36 g
Net weight	43.4 g		

Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature	-40 °C...+70 °C
Storage temperature	-40 °C...+70 °C		

Output

Rated switching voltage	240 V AC	Max. switching voltage, AC	400 V
Continuous current	16 A ⁽¹⁾ , 8 A		

general data

Wire connection method	Screw connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Weight	36 g	Wire cross-section, solid, max.	2.5 mm ²

Insulation coordination

Creepage and clearance distance input – output	≥ 8 mm	Dielectric strength input – output	5 kV
Rated voltage	250 V	Protection degree	IP 20
Insulating material group	IIIa	Pollution severity	2
Surge voltage category	III		

Further details of approvals / standards

Standards	IEC 61810-1, UL508
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Connection data

Clamping range, rated connection	1.5 mm ²	Clamping range, rated connection, max.	2.5 mm ²
Clamping range, rated connection, min.	0.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm ²	Pitch in mm (P)	5 mm
Stripping length, rated connection	8 mm	Tightening torque, max.	0.7 Nm
Tightening torque, min.	0.5 Nm	Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²
Wire connection method	Screw connection	Wire cross-section, finely stranded, two clampable wires, max.	2.5 mm ²
Wire cross-section, solid, max.	2.5 mm ²	Wire cross-section, solid, min.	0.5 mm ²

Classifications

ETIM 3.0	EC001456	UNSPSC	30-21-19-17
eClass 5.1	27-37-16-03	eClass 6.2	27-37-16-03
eClass 7.1	27-37-16-03		

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Technical data

Product information

Descriptive text technical data 1) For full continuous current (16 A), relay connections 11–21, 12–22 and 14–24 must be bridged.

Approvals

Approvals



ROHS Conform

Downloads

Declaration of Conformity [K295_02_13.pdf](#)

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Mating connector (fully pluggable)
with LED and free-wheel diode


Standard relay within the RIDERSERIES RCI.

- 2 CO contacts
- Relay with DC coil
- Relay with integrated status display and free-wheel diode

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RCI424AC4	8870180000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection	4032248613540	10 pc(s).
RCI424AE8	8870190000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 48 V DC, Continuous current: 8 A, Plug-in connection	4032248613557	10 pc(s).
RCI424BB0	8870200000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 110 V DC, Continuous current: 8 A, Plug-in connection	4032248613564	10 pc(s).
RCI424AB2	8870170000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 8 A, Plug-in connection	4032248613533	10 pc(s).

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Mating connector (fully pluggable)
with test button, without LED


Standard relay within the RIDERSERIES RCI.

- 1 CO contact
- optionally: AC or DC coils
- Relay with test button

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RCI374524	8869990000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 16 A, Plug-in connection	4032248613359	10 pc(s).
RCI374012	8869950000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 16 A, Plug-in connection	4032248613311	10 pc(s).
RCI374615	8870000000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 115 V AC, Continuous current: 16 A, Plug-in connection	4032248613366	10 pc(s).
RCI374048	8869970000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 48 V DC, Continuous current: 16 A, Plug-in connection	4032248613335	10 pc(s).
RCI374110	8869980000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 110 V DC, Continuous current: 16 A, Plug-in connection	4032248613342	10 pc(s).
RCI374024	8869960000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V DC,	4032248613328	10 pc(s).

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Mating connector (fully pluggable)

		Continuous current: 16 A, Plug-in connection
RCI374730	8870010000	RIDERSERIES, Relais, 4032248613373 10 pc(s). No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 16 A, Plug-in connection

without test button and without LED


Standard relays in the RIDERSERIES RCI.

- 1 CO contact
- Optionally AC or DC coils

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RCI314012	8869800000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 16 A, Plug-in connection	4032248613151 10 pc(s).	
RCI314110	8869830000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 110 V DC, Continuous current: 16 A, Plug-in connection	4032248613182 10 pc(s).	
RCI314048	8869820000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 48 V DC, Continuous current: 16 A, Plug-in connection	4032248613175 10 pc(s).	
RCI314524	8869840000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 16 A, Plug-in connection	4032248613199 10 pc(s).	
RCI314730	8869860000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 16 A, Plug-in connection	4032248613212 10 pc(s).	

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

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RCI314615	8869850000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 115 V AC, Continuous current: 16 A, Plug-in connection	4032248613205 10 pc(s).
RCI314024	8869810000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection	4032248613168 10 pc(s).

with LED and test button


Standard relay within the RIDERSERIES RCI.

- 2 CO contacts
- Relay with AC coil
- Relay with test button and integrated status display

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RCI484T30	8870370000	RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 8 A, Plug-in connection	4032248613755 10 pc(s).	
RCI484S15	8870360000	RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 115 V AC, Continuous current: 8 A, Plug-in connection	4032248613748 10 pc(s).	
RCI484R24	8870350000	RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 8 A, Plug-in connection	4032248613731 10 pc(s).	

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Mating connector (fully pluggable)
with test button, without LED


Standard relay within the RIDERSERIES RCI.

- 2 CO contacts
- optionally: AC or DC coils
- Relay with test button

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RCI484110	8870050000	RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 110 V DC, Continuous current: 8 A, Plug-in connection	4032248613427	10 pc(s).
RCI484615	8870070000	RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 115 V AC, Continuous current: 8 A, Plug-in connection	4032248613441	10 pc(s).
RCI484524	8870060000	RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 8 A, Plug-in connection	4032248613434	10 pc(s).
RCI484730	8870080000	RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 8 A, Plug-in connection	4032248613458	10 pc(s).
RCI484048	8870040000	RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 48 V DC, Continuous current: 8 A, Plug-in connection	4032248613410	10 pc(s).
RCI484024	8870030000	RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V DC,	4032248613397	10 pc(s).

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Mating connector (fully pluggable)

		Continuous current: 8 A, Plug-in connection	
RCI484012	8870020000	RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 8 A, Plug-in connection	4032248613380 10 pc(s).

with LED and free-wheel diode


Standard relay within the RIDERSERIES RCI.

- 1 CO contact
- Relay with DC coil
- Relay with integrated status display and free-wheel diode

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RCI314AE8	8870110000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 48 V DC, Continuous current: 16 A, Plug-in connection	4032248613489 10 pc(s).	
RCI314AB2	8870090000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 16 A, Plug-in connection	4032248613465 10 pc(s).	
RCI314AC4	8870100000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection	4032248613472 10 pc(s).	
RCI314BB0	8870120000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 110 V DC, Continuous current: 16 A, Plug-in connection	4032248613496 10 pc(s).	

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Mating connector (fully pluggable)
without test button and without LED


Standard relay within the RIDERSERIES RCI.

- 2 CO contacts
- optionally: AC or DC coils

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RCI424615	8869930000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 115 V AC, Continuous current: 8 A, Plug-in connection	4032248613298	10 pc(s).
RCI424110	8869910000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 110 V DC, Continuous current: 8 A, Plug-in connection	4032248613267	10 pc(s).
RCI424024	8869890000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection	4032248613236	10 pc(s).
RCI424730	8869940000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 8 A, Plug-in connection	4032248613304	10 pc(s).
RCI424012	8869870000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 8 A, Plug-in connection	4032248613229	10 pc(s).
RCI424524	8869920000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 8 A, Plug-in connection	4032248613281	10 pc(s).
RCI424048	8869900000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 48 V DC,	4032248613250	10 pc(s).

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Mating connector (fully pluggable)

Continuous current: 8 A,
 Plug-in connection

with LED and test button


Standard relay within the RIDERSERIES RCI.

- 1 CO contact
- Relay with AC coil
- Relay with test button and integrated status display

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RCI374T30	8870300000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 16 A, Plug-in connection	4032248613687	10 pc(s).
RCI374R24	8870280000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 12 A, Plug-in connection	4032248613656	10 pc(s).
RCI374S15	8870290000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 115 V AC, Continuous current: 16 A, Plug-in connection	4032248613663	10 pc(s).

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Mating connector (fully pluggable)
with LED, without test button


Standard relay within the RIDERSERIES RCI.

- 2 CO contacts
- Relay with AC coil
- Relay with integrated status display

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RCI424T30	8870230000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 8 A, Plug-in connection	4032248613601	10 pc(s).
RCI424S15	8870220000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 115 V AC, Continuous current: 8 A, Plug-in connection	4032248613588	10 pc(s).
RCI424R24	8870210000	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 8 A, Plug-in connection	4032248613571	10 pc(s).

with LED, without test button


Standard relay within the RIDERSERIES RCI.

- 1 CO contact
- Relay with AC coil
- Relay with integrated status display

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RCI314S15	8870140000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 115 V AC, Continuous current: 16 A, Plug-in connection	4032248613519	10 pc(s).

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Mating connector (fully pluggable)

RCI314R24 8870130000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 16 A, Plug-in connection	4032248613502 10 pc(s).
RCI314T30 8870150000	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 16 A, Plug-in connection	4032248613526 10 pc(s).

with LED, test button and free-wheel diode


Standard relay within the RIDERSERIES RCI.

- 2 CO contacts
- Relay with DC coil
- Relay with test button, integrated status display and free-wheel diode

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RCI484AB2 8870310000		RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 8 A, Plug-in connection	4032248613694 10 pc(s).	
RCI484AE8 8870330000		RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 48 V DC, Continuous current: 8 A, Plug-in connection	4032248613717 10 pc(s).	
RCI484AC4 8870320000		RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection	4032248613700 10 pc(s).	
RCI484BB0 8870340000		RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 110 V DC,	4032248613724 10 pc(s).	

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Mating connector (fully pluggable)

Continuous current: 8 A,
 Plug-in connection

with LED, test button and free-wheel diode


Standard relay within the RIDERSERIES RCI.

- 1 CO contact
- Relay with DC coil
- Relay with test button, integrated status display and free-wheel diode

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
RCI374BB0	8870270000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 110 V DC, Continuous current: 16 A, Plug-in connection	4032248613649	10 pc(s).
RCI374AC4	8870250000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection	4032248613625	10 pc(s).
RCI374AE8	8870260000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 48 V DC, Continuous current: 16 A, Plug-in connection	4032248613632	10 pc(s).
RCI374AB2	8870240000	RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 16 A, Plug-in connection	4032248613618	10 pc(s).