

**RIDERSERIES  
RCI314R24**

**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 RCI.

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

**General ordering data**

Order No.	<a href="#">8870130000</a>
Type	RCI314R24
Version	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 16 A, Plug-in connection
GTIN (EAN)	4032248613502
Qty.	10 pc(s).

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**Technical data**
**Ratings**

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

**Dimensions and weights**

Width	13 mm	Height	29 mm
Depth	25.5 mm	Weight	14 g
Net weight	16.7 g		

**Temperatures**

Operating temperature	-40 °C...+70 °C	Storage temperature	-40 °C...+85 °C
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**Input**

Rated control voltage	24 V AC	Rated current AC	31.6 mA
Coil resistance	350 Ω ± 10 %	Power rating	0.75 VA
Response / drop-out voltage AC coil	18 V / 3.6 V	Status indicator	red LED

**Output**

Rated switching voltage	240 V AC	Max. switching voltage, AC	400 V
Continuous current	16 A	making current	30 A / 4 s
Max. switching power	4000 VA	Sparkover time / Drop-out time	8 ms / 6 ms
Min. switching power	12 V / 10 mA	Min. switching current	10 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	AC coil 5 x 10 <sup>6</sup> Switching cycles, DC coil 10 x 10 <sup>6</sup> Switching cycles

**Insulation coordination**

Rated voltage	250 V	Clearance and creepage distances for control side - load side	≥ 8 mm
Dielectric strength for control side - load side	5 kV <sub>eff</sub> / 1min	Impulse withstand voltage	5 kV (1.2/50 μs)
Protection degree	IP 20	Insulating material group	IIIa
Surge voltage category	III		

**Other technical data**

Version	with LED	Status indicator	red LED
Free-wheel diode	No		

**Further details of approvals / standards**

Standards	IEC 61810-1, UL508
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**Technical data****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		

**Approvals**

Approvals

**Downloads**Declaration of Conformity [K295\\_12\\_10.pdf](#)

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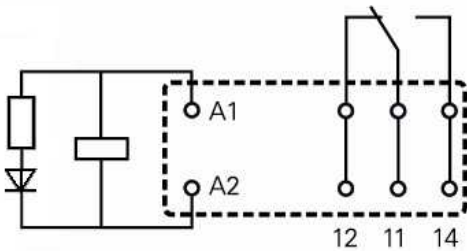
**Drawings**

**Pinning**

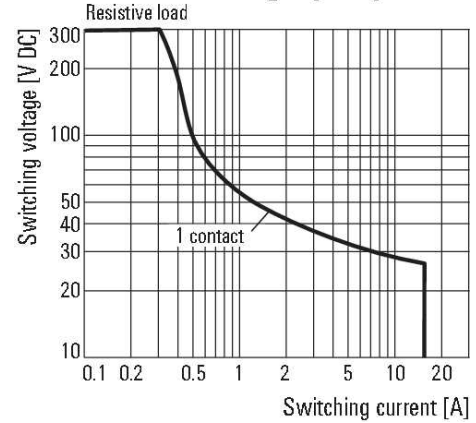
**Circuit diagram**

View on pins

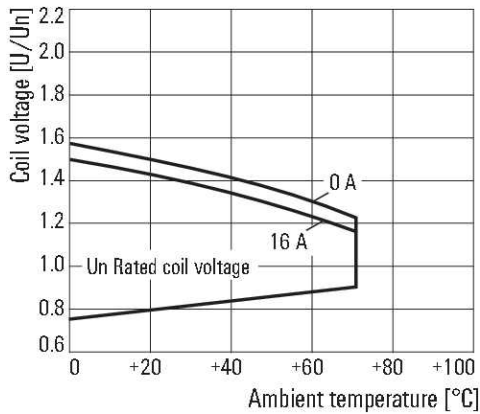
1 C/O changeover contacts



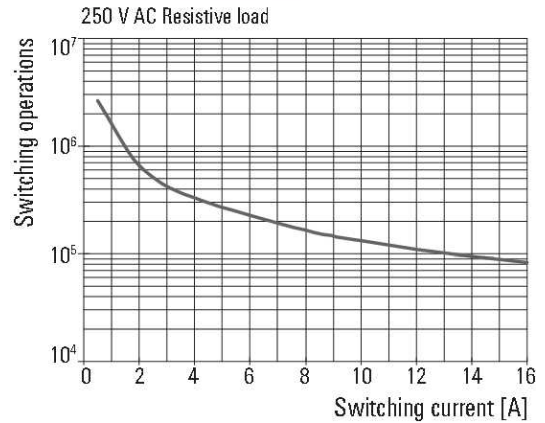
**DC load breaking capacity**



**Operating voltage range AC**



**Electrical endurance**



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**Accessories**

**LED**



Pluggable protective modules for the RIDERSERIES RCI / RCM relay base, with optional protective functions.

- With either green or red LED
- For UC supply voltage

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
<a href="#">8869640000</a>	RIM-I 3 6/24VUC GN	RIDERSERIES, Accessories	4032248614585	10 pc(s).
<a href="#">8869630000</a>	RIM-I 3 6/24VUC	RIDERSERIES, Accessories	4032248614578	10 pc(s).
<a href="#">8869620000</a>	RIM-I 3 24/60VUC GN	RIDERSERIES, Accessories	4032248614561	10 pc(s).
<a href="#">8869610000</a>	RIM-I 3 24/60VUC	RIDERSERIES, Accessories	4032248614554	10 pc(s).

**Cross-connector**



Cross-connector for bridging connections in the RIDERSERIES RCI

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
<a href="#">8870840000</a>	SRC-I QV P	RIDERSERIES, Cross-connector	4032248631681	10 pc(s).
<a href="#">1132070000</a>	SRC-I QV S	RIDERSERIES, Cross-connector	4032248912087	10 pc(s).

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**Accessories**

**LED / Protective varistor**



Pluggable protective modules for the RIDERSERIES RCI / RCM relay base, with optional protective functions.

- With protective varistor
- For UC supply voltage

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
<a href="#">8869710000</a>	RIM-I 4 24VUC VAR	RIDERSERIES, Accessories	4032248606344	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.
<a href="#">8869500000</a>	SRC-I 2CO P	RIDERSERIES, Accessories,	40322486 14455	10 pc(s).
		Continuous current: 16 A <sup>(1)</sup> , 8 A, PUSH IN spring connection		
<a href="#">8869490000</a>	SRC-I 2CO	RIDERSERIES, Accessories,	40322486 14448	10 pc(s).
		Continuous current: 16 A <sup>(1)</sup> , 8 A, Screw connection		
<a href="#">8869480000</a>	SRC-I 2CO N	RIDERSERIES, Accessories,	40322486 14431	10 pc(s).
		Continuous current: 16 A <sup>(1)</sup> , 8 A, Screw connection		

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**Accessories**

**Metal retaining clip**



Metal retaining clip for RIDERSERIES RCI relays

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
<a href="#">1132090000</a>	SRC-I CLIP HM RCI	RIDERSERIES, Accessories	4032248912209	20 pc(s).

**Labelling clip**



Labelling clip for marking RIDERSERIES RCI relays

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
<a href="#">8869530000</a>	SRC-I MARK	RIDERSERIES, Markers	4032248614479	10 pc(s).

**Protection module**



Pluggable protective modules for the RIDERSERIES RCI / RCM relay base, with optional protective functions.

- Optionally with free-wheel diode, load resistor or RC filter

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
<a href="#">8869580000</a>	RIM-I 1 6/230V	RIDERSERIES, Accessories	4032248614523	10 pc(s).
<a href="#">8869770000</a>	RIM-I 3 6/60VAC RC	RIDERSERIES, Accessories	4032248606320	10 pc(s).

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**Accessories****Plastic retaining clip**

Plastic retaining clip for RIDERSERIES RCI relays

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
<a href="#">8869510000</a>	SRC-I CLIP HP	RIDERSERIES, Accessories	4032248614462	10 pc(s).



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**Drawings**

<b>Type code</b>	<b>RCI</b>				
<b>Type</b>	RIDER Control Industrial				
<b>Type of construction</b>	3 1-pole, 16 A 4 2-pole, 8 A				
<b>Type of contact</b>	1 1 CO contact without test button 2 2 CO contacts without test button 7 1 CO contact with test button 8 2 CO contacts with test button				
<b>Contact material</b>	4 AgNi 90/10				
<b>Coil</b>	012 12 V DC 024 24 V DC 048 48 V DC 110 110 V DC 524 24 V AC 615 115 V AC 730 230 V AC AB2 12 V DC+LED+diode AC4 24 V DC+LED+diode AE8 48 V DC+LED+diode BB0 110 V DC+LED+diode R24 24 V AC+LED S15 115 V AC+LED T30 230 V AC+LED				