

RCI374S15

Weidmüller Interface GmbH & Co. KG

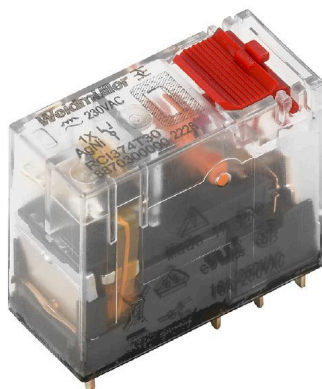
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



Similar to illustration

Individual relays within the RIDERSERIES RCI

- 1 CO contact
- AC coils
- With integrated status LED and test button

General ordering data

Version	RIDERSERIES RCI, Relay, Number of contacts: 1, CO contact AgNi, Rated control voltage: 115 V AC, Continuous current: 16 A, Plug-in connection, Test button available: Yes
Order No.	8870290000
Type	RCI374S15
GTIN (EAN)	4032248613663
Qty.	10 items
Delivery status	This article will no longer be available in the future.
Available until	2024-10-31T00:00:00+01:00
Alternative product	CRI10615T

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	26.7 mm	Depth (inches)	1.0512 inch
Height	29 mm	Height (inches)	1.1417 inch
Width	13 mm	Width (inches)	0.5118 inch
Net weight	13.91 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...70 °C
Operating temperature		Humidity	40 °C / 93 % rel. humidity, no condensation

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Control side

Rated control voltage	115 V AC	Rated current AC	7.1 mA
Power rating	814 mVA	Coil resistance	8100 Ω ± 15 %
Status indicator	red LED		

Load side

Rated switching voltage	240 V AC	Continuous current	16 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Inrush current	30 A / 4 s	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)
Mechanical service life	AC coil 5 x 10 ⁶ switching cycles, DC coil 10 x 10 ⁶ switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V

General data

Test button available	Yes	Version of test button	lockable, just when removing the detent lock, Momentary test button
Mechanical switch position indicator	Yes	Colour	Transparent
UL 94 flammability rating	V-2		

Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa

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Clearance and creepage distances for control side - load side	≥ 8 mm	Dielectric strength for control side - load side	5 kVeff / 1 min
Dielectric strength of open contact	1 kVeff / 1 min	Impulse withstand voltage	5 kV (1.2/50 µs)

Further details of approvals / standards

Certificate No. (CSA)	249409-2426937
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Connection data

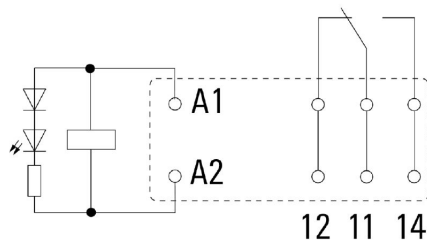
Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm
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Classifications

ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

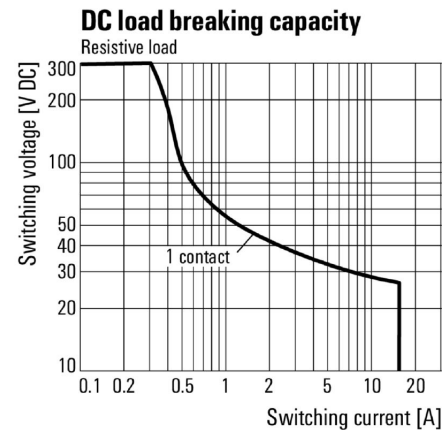
Drawings

Wiring diagram



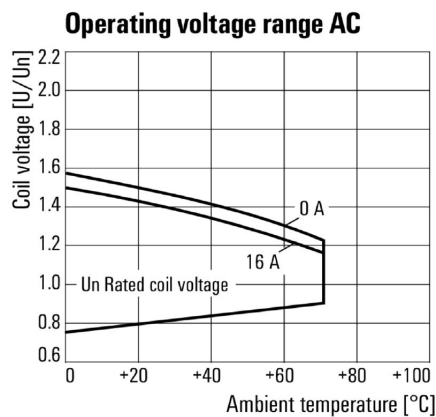
View of Pins from below

Graph



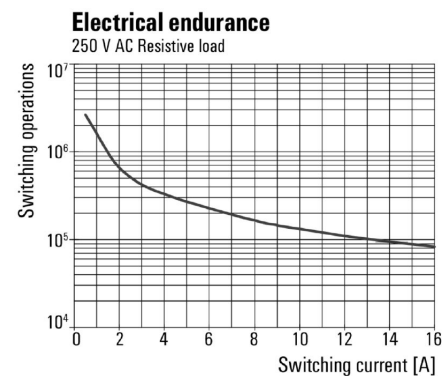
DC load limit curve Resistive load

Graph



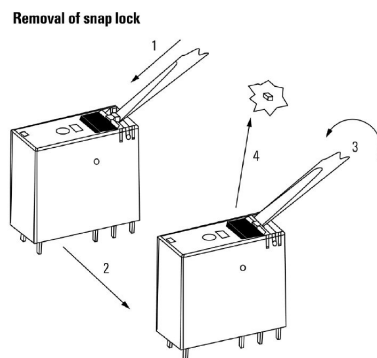
AC operational voltage range

Graph



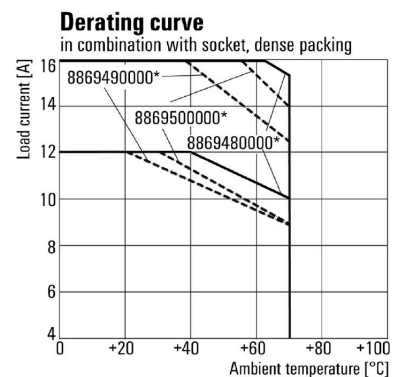
Electrical service life 250 V AC resistive load

Dimensional drawing



Detailed drawing Removal of the test button detent lock

Derating curve



* For full continuous current (16 A), the wire terminals 11 with 21, 12 with 22 and 14 with 24 must be bridged with a wire $\geq 1.5 \text{ mm}^2$ at the socket.

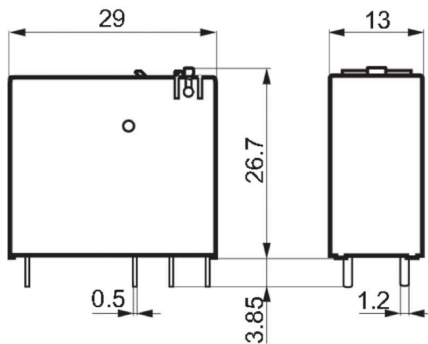
Relay in combination with base

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Drawings
Dimensional drawing

Miscellaneous

		RCI				
Type	RIDER Control Industrial					
Type of construction						
3	16 A pinning 5 mm					
4	8 A, pinning 5mm					
Type of contact						
1	1 CO without push button					
2	2 CO without push button					
7	1 CO with push button					
8	2 CO with push button					
Contact material						
4	AgNi 90/10					
		Coil voltage				
		012 12 V DC				
		024 24 V DC				
		048 48 V DC				
		110 110 V DC				
		AB2 12 V DC + LED + diode				
		AC4 24 V DC + LED + diode				
		AE8 48 V DC + LED + diode				
		BB0 110 V DC + LED + diode				
		524 24 V AC				
		615 115 V AC				
		730 230 V AC				
		R24 24 V AC + LED				
		S15 115 V AC + LED				
		T30 230 V AC + LED				

Type codes

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Accessories**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	

Cross-connection for socket with PUSH IN connection

Cross-connection for the sockets in the RIDERSERIES RCI.

**General ordering data**

Type	SRC-I QV P	Version
Order No.	8870840000	RIDERSERIES RCI, Cross-connector
GTIN (EAN)	4032248631681	
Qty.	10 ST	

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www.weidmueller.com**Accessories****Cross-connection for socket with screw connection**

Cross-connection for the sockets in the RIDERSERIES RCI.

**General ordering data**

Type	SRC-I QV S	Version
Order No.	1132070000	RIDERSERIES RCI, Cross-connector
GTIN (EAN)	4032248912087	
Qty.	10 ST	

Retaining clips

Retaining clip for RIDERSERIES RCI relays

- Metal and plastic retaining clip

**General ordering data**

Type	SRC-I CLIP HP	Version
Order No.	8869510000	RIDERSERIES RCI, Retaining clip
GTIN (EAN)	4032248614462	
Qty.	10 ST	

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Accessories

Individual components



Relay modules with forcibly guided contacts

Relays with forcibly guided contacts have a 99 % diagnostics coverage and an excellent reputation for use in safety systems. The contacts interlock mechanically with each other in order to ensure a synchronous switching status of 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 welds from an overload). The controller (or safety controller) detects the alert contact and then compares the set values and actual values. If a difference occurs, measures can then be taken to protect equipment and human life.

- 2 CO contacts with 6 A, forcibly guided according to EN 61810-3 type B
- Proven component in safety technology
- Diagnosis coverage of 99 %

General ordering data

Type	SRC-I CLIP HM RCI	Version
Order No.	1132090000	RIDERSERIES RCI, Retaining clip
GTIN (EAN)	4032248912209	
Qty.	20 ST	

Protection module



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

- Optional with free-wheeling diode, protective varistor, load resistor or RC filter

General ordering data

Type	RIM-I 1 6/230V	Version
Order No.	8869580000	RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V
GTIN (EAN)	4032248614523	DC, Plug-in connection
Qty.	10 ST	
Type	RIM-I 1 R 110/230V	Version
Order No.	8870830000	RIDERSERIES, Load, Rated control voltage: 110...230 V UC, Plug-in connection
GTIN (EAN)	4032248631674	
Qty.	10 ST	
Type	RIM-I 3 110/230VAC RC	Version
Order No.	8869790000	RIDERSERIES, RC filter, Rated control voltage: 110...230 V UC, Plug-in connection
GTIN (EAN)	4032248606337	
Qty.	10 ST	

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Accessories
LED


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

- Optional with green or red LED
- For UC supply voltage

General ordering data

Type	RIM-I 3 110/230VUC	Version
Order No.	8869650000	RIDERSERIES, LED module, Rated control voltage: 110...230 V UC,
GTIN (EAN)	4032248614592	Plug-in connection
Qty.	10 ST	
Type	RIM-I 3 110/230VUC GN	Version
Order No.	8869660000	RIDERSERIES, LED module, Rated control voltage: 110...230 V UC,
GTIN (EAN)	4032248614721	Plug-in connection
Qty.	10 ST	

Protective varistor


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

- With protective varistor
- For UC supply voltage

General ordering data

Type	RIM-I 4 110VUC VAR	Version
Order No.	8869730000	RIDERSERIES, Protective varistor, Rated control voltage: 110 V UC,
GTIN (EAN)	4032248606351	Plug-in connection
Qty.	10 ST	

ESG 6/15


Guaranteed long service life: ESG

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

Your benefits with MultiMark

- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

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Accessories

General ordering data

Type	ESG 6/15 MM WS	Version
Order No.	2619940000	ESG, Device markers, 6 x 15 mm, white
GTIN (EAN)	4050118626148	
Qty.	3000 ST	

ESG 6/17



Guaranteed long service life: ESG

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

Your benefits with MultiMark

- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

General ordering data

Type	ESG 6/17 MM WS	Version
Order No.	2005100000	ESG, Device markers, 6 x 17 mm, white
GTIN (EAN)	4050118390728	
Qty.	3000 ST	

Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	ESG 6/15 SRC-I MC NE WS	Version
Order No.	2558350000	ESG, Device markers x 15 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4050118569063	
Qty.	200 ST	

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Counterpart**Sockets**

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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	