

RCI374T30**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: 230 V AC, Continuous current: 16 A, Plug-in connection, Test button available: Yes
Order No.	8870300000
Type	RCI374T30
GTIN (EAN)	4032248613687
Qty.	10 pc(s).

Creation date January 30, 2022 9:55:31 AM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	26.7 mm	Depth (inches)	1.051 inch
Height	29 mm	Height (inches)	1.142 inch
Width	13 mm	Width (inches)	0.512 inch
Net weight	14.03 g		

Temperatures

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

Probability of failure

B10	230.000 AC15: 250Vac/3A
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Rated data UL

Certificate No. (cURus)	E224238
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Control side

Rated control voltage	230 V AC	Rated current AC	3.5 mA
Power rating	813 mVA	Pull-in/drop-out voltage, typ.	172.5 V / 34.5 V AC
Coil resistance	32500 Ω ± 15 %	Status indicator	red LED

Load side

Rated switching voltage	250 V AC	Continuous current	16 A
Max. switching frequency at rated load	0.1 Hz	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 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		

General data

Test button available	Yes	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
Clearance and creepage distances for control side - load side	≥ 8 mm	Dielectric strength for control side - load side	5 kV _{eff} / 1 min
Dielectric strength of open contact	1 kV _{eff} / 1 min	Impulse withstand voltage	5 kV (1.2/50 μs)

Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40018043	Certificate No. (cURus)	E224238

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Technical data

Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
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Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ECLASS 9.0	27-37-16-01
ECLASS 9.1	27-37-16-01	ECLASS 10.0	27-37-16-01
ECLASS 11.0	27-37-16-01		

Approvals

Approvals



ROHS	Conform
UL File Number Search	E224238

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Catalogues	Catalogues in PDF-format
Brochures	

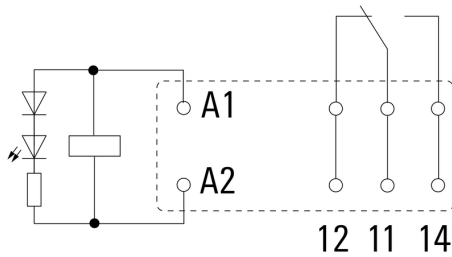
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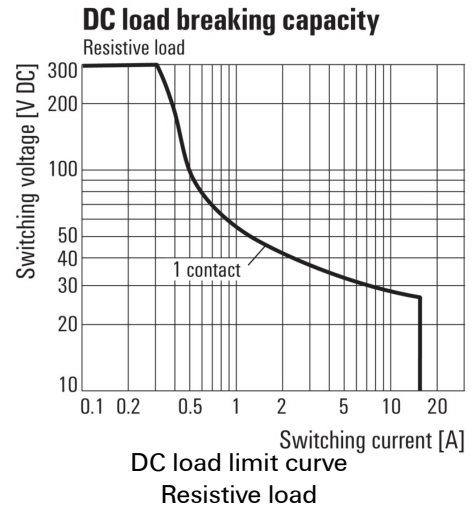
Drawings

Wiring diagram

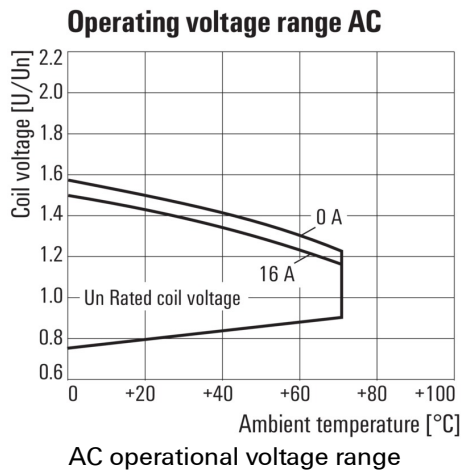


View of Pins from below

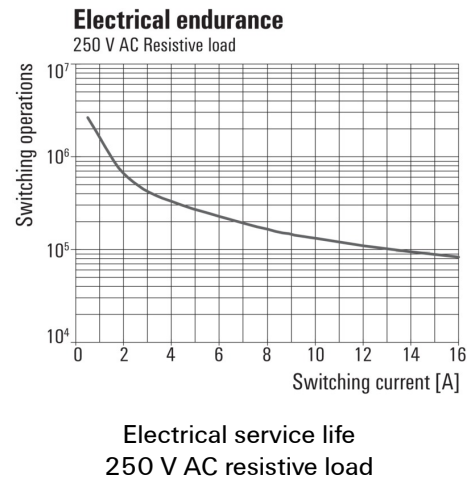
Graph



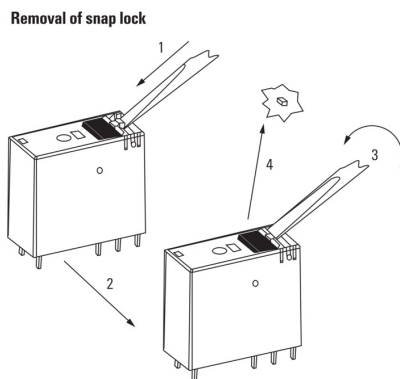
Graph



Graph

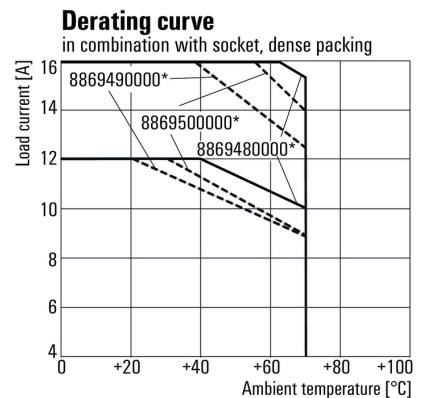


Dimensional drawing



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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Accessories

Cross-connection for socket with screw connection

Cross-connection for the sockets in the D-SERIES DRI.



General ordering data

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

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 R 110/230V	Version
Order No.	8870830000	RIDERSERIES, Load, Rated control voltage: 110...230 V UC, Plug-in connection
GTIN (EAN)	4032248631674	
Qty.	10 pc(s).	
Type	RIM-I 1 6/230V	Version
Order No.	8869580000	RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V DC, Plug-in connection
GTIN (EAN)	4032248614523	
Qty.	10 pc(s).	
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 pc(s).	
Type	RIM-I 3 230VAC RC	Version
Order No.	1172210000	RIDERSERIES, RC filter, Rated control voltage: 230 V UC, Plug-in connection
GTIN (EAN)	4032248964420	
Qty.	10 pc(s).	

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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 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 pc(s).	
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 pc(s).	
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 pc(s).	

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 GN	Version
Order No.	8869660000	RIDERSERIES, LED module, Rated control voltage: 110...230 V UC,
GTIN (EAN)	4032248614721	Plug-in connection
Qty.	10 pc(s).	
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 pc(s).	

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Accessories

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.	3,000 pc(s).	

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 230VUC VAR	Version
Order No.	8869750000	RIDERSERIES, Protective varistor, Rated control voltage: 230 V UC,
GTIN (EAN)	4032248606368	Plug-in connection
Qty.	10 pc(s).	

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Accessories

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
GTIN (EAN)	4050118569063	
Qty.	200 pc(s).	

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 pc(s).	

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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.	3,000 pc(s).	

Retaining clips



Retaining clip for RIDERSERIES RCI relays

- Metal and plastic retaining clip

General ordering data

Type	SRC-I CLIP HM RCI	Version
Order No.	1132090000	RIDERSERIES RCI, Retaining clip
GTIN (EAN)	4032248912209	
Qty.	20 pc(s).	
Type	SRC-I CLIP HP	Version
Order No.	8869510000	RIDERSERIES RCI, Retaining clip
GTIN (EAN)	4032248614462	
Qty.	10 pc(s).	

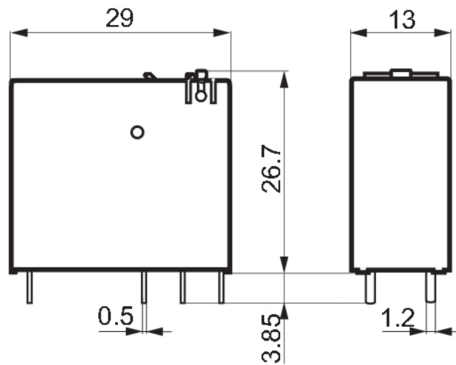
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Drawings

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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