

**RCI424048****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

- 2 CO contacts
- Optional AC or DC coils

**General ordering data**

Version	RIDERSERIES RCI, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 48 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	<a href="#">8869900000</a>
Type	RCI424048
GTIN (EAN)	4032248613250
Qty.	10 pc(s).

Creation date April 3, 2022 8:09:32 AM CEST

Catalogue status 25.03.2022 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	25.6 mm	Depth (inches)	1.008 inch
Height	29 mm	Height (inches)	1.142 inch
Width	13 mm	Width (inches)	0.512 inch
Net weight	16.1 g		

## Temperatures

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

## Rated data UL

Certificate No. (cURus)	E224238
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## Control side

Rated control voltage	48 V DC	Rated current DC	8.7 mA
Power rating	417 mW	Pull-in/drop-out voltage, typ.	33.6 V / 4.8 V DC
Coil resistance	5520 Ω ± 10 %		

## Load side

Rated switching voltage	250 V AC	Continuous current	8 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	15 A / 4 s	AC switching capacity (resistive), max.	2000 VA
DC switching capacity (resistive), max.	192 W @ 24 V	Switch-on delay	≤ 10 ms
Switch-off delay	≤ 6 ms	Contact type	2 CO contact (AgNi)
Mechanical service life	AC coil 5 x 10 <sup>6</sup> switching cycles, DC coil 10 x 10 <sup>6</sup> switching cycles		

## General data

Test button available	No	Mechanical switch position indicator	No
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 <sub>eff</sub> / 1 min
Dielectric strength of neighbouring contacts	2.5 kV <sub>eff</sub> / 1 Min.	Dielectric strength of open contact	1 kV <sub>eff</sub> / 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	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

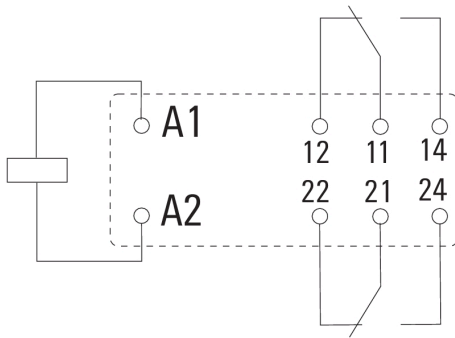
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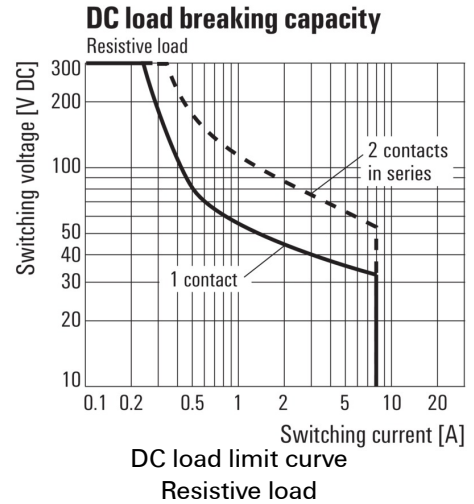
**Drawings**

**Wiring diagram**



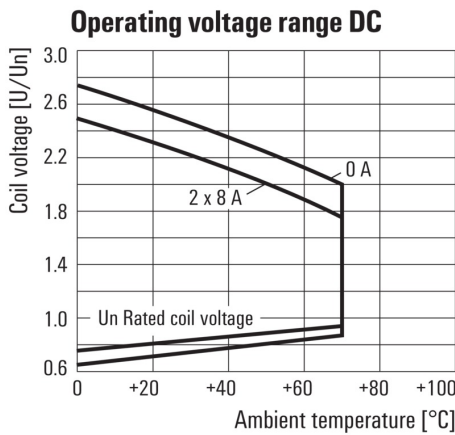
View of Pins from below

**Graph**



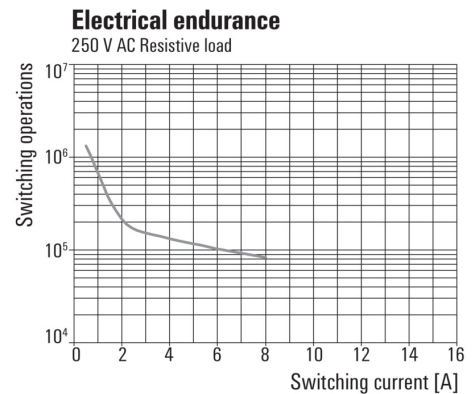
DC load limit curve  
 Resistive load

**Graph**



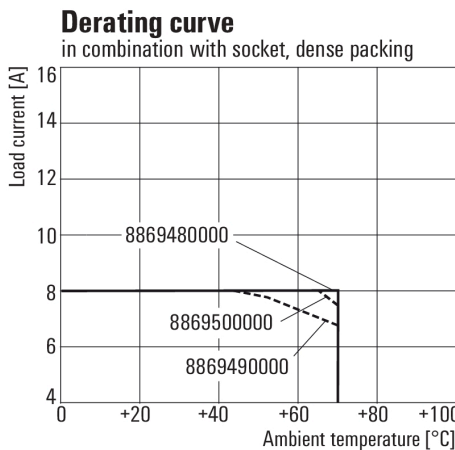
DC operational voltage range

**Graph**



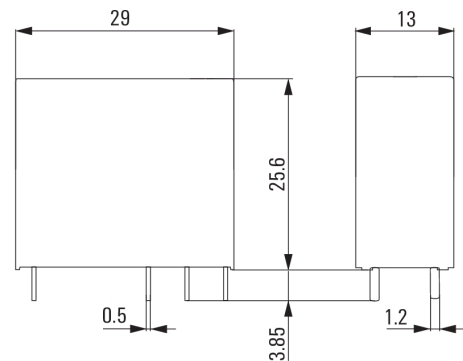
Electrical service life  
 250 V AC resistive load

**Graph**



Derating curve  
 Relay in combination with base

**Dimensional drawing**



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## Mating connector (fully pluggable)

### 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.	<a href="#">8869490000</a>	RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248614448	Continuous current: 8 A, Screw connection
Qty.	10 pc(s).	
Type	SRC-I 2CO N	Version
Order No.	<a href="#">8869480000</a>	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.	<a href="#">8869500000</a>	RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248614455	Continuous current: 8 A, PUSH IN
Qty.	10 pc(s).	

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**Accessories**

**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.	<a href="#">8869580000</a>	RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V
GTIN (EAN)	4032248614523	DC, Plug-in connection
Qty.	10 pc(s).	

**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.	<a href="#">2005100000</a>	ESG, Device markers, 6 x 17 mm, white
GTIN (EAN)	4050118390728	
Qty.	3,000 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.	<a href="#">2558350000</a>	ESG, Device markers x 15 mm, PA 66, Colour: white
GTIN (EAN)	4050118569063	
Qty.	200 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.	<a href="#">1132090000</a>	RIDERSERIES RCI, Retaining clip
GTIN (EAN)	4032248912209	
Qty.	20 pc(s).	
Type	SRC-I CLIP HP	Version
Order No.	<a href="#">8869510000</a>	RIDERSERIES RCI, Retaining clip
GTIN (EAN)	4032248614462	
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	Version
Order No.	<a href="#">8869490000</a>	RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248614448	Continuous current: 8 A, Screw connection
Qty.	10 pc(s).	
Type	SRC-I 2CO N	Version
Order No.	<a href="#">8869480000</a>	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.	<a href="#">8869500000</a>	RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4032248614455	Continuous current: 8 A, PUSH IN
Qty.	10 pc(s).	

## LED / Free-wheel diode



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

- Optional with green or red LED
- With free-wheeling diode
- For DC supply voltage

## General ordering data

Type	RIM-I 2 24/60VDC	Version
Order No.	<a href="#">8869670000</a>	RIDERSERIES, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248614608	voltage: 24...60 V DC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM-I 2 24/60VDC GN	Version
Order No.	<a href="#">8869680000</a>	RIDERSERIES, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248614615	voltage: 24...60 V DC, Plug-in connection
Qty.	10 pc(s).	



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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.	<a href="#">1132070000</a>	RIDERSERIES RCI, Cross-connector
GTIN (EAN)	4032248912087	
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 24/60VUC GN	Version
Order No.	<a href="#">8869620000</a>	RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-
GTIN (EAN)	4032248614561	in connection
Qty.	10 pc(s).	
Type	RIM-I 3 24/60VUC	Version
Order No.	<a href="#">8869610000</a>	RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-
GTIN (EAN)	4032248614554	in connection
Qty.	10 pc(s).	

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**Accessories**

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**General ordering data**

Type	ESG 6/15 MM WS	Version
Order No.	<a href="#">2619940000</a>	ESG, Device markers, 6 x 15 mm, white
GTIN (EAN)	4050118626148	
Qty.	3,000 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.	<a href="#">8870840000</a>	RIDERSERIES RCI, Cross-connector
GTIN (EAN)	4032248631681	
Qty.	10 pc(s).	

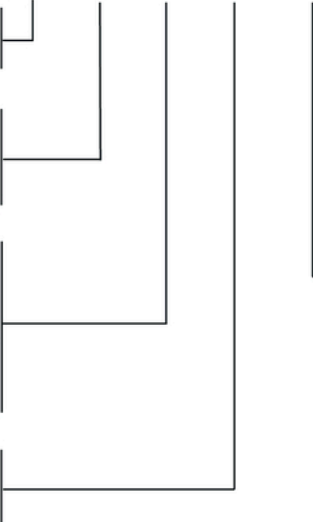
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**Drawings**

**Miscellaneous**

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

Type codes