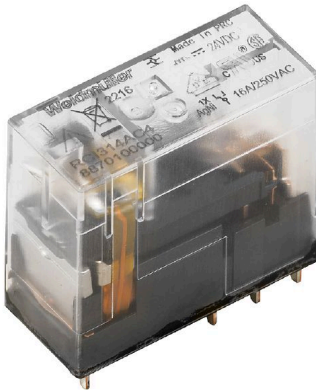


**RCI424AC4****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Product image**

Similar to illustration

Individual relays within the RIDERSERIES RCI

- 2 CO contacts
- DC coils
- With integrated status LED and free-wheeling diode

**General ordering data**

Version	RIDERSERIES RCI, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No
Order No.	<a href="#">8870180000</a>
Type	RCI424AC4
GTIN (EAN)	4032248613540
Qty.	10 items
Delivery status	This article will no longer be available in the future.
Available until	2026-01-31T00:00:00+01:00
Alternative product	<a href="#">CRI20024</a>

## RCI424AC4

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 Germany

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Depth	25.6 mm	Depth (inches)	1.0079 inch
Height	29 mm	Height (inches)	1.1417 inch
Width	13 mm	Width (inches)	0.5118 inch
Net weight	14.53 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	24 V DC	Rated current DC	17.5 mA
Power rating	419 mW	Coil resistance	1440 Ω ± 10 %
Status indicator	Green LED	Protective circuit	Free-wheeling diode

## Load side

Rated switching voltage	240 V AC	Continuous current	8 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 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 106 switching cycles, DC coil 10 x 106 switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V

## 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 kVeff / 1 min
Dielectric strength of neighbouring contacts	2.5 kVeff / 1 Min.	Dielectric strength of open contact	1 kVeff / 1 min
Impulse withstand voltage	5 kV (1.2/50 µs)		

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Further details of approvals / standards**

Certificate No. (CSA)	249409-2426937
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**Connection data**

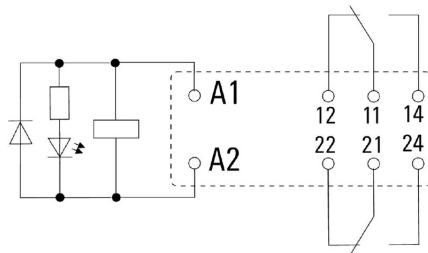
Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm
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**Classifications**

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		

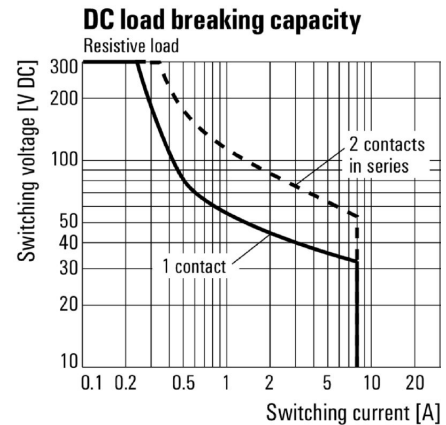
## Drawings

### Wiring diagram



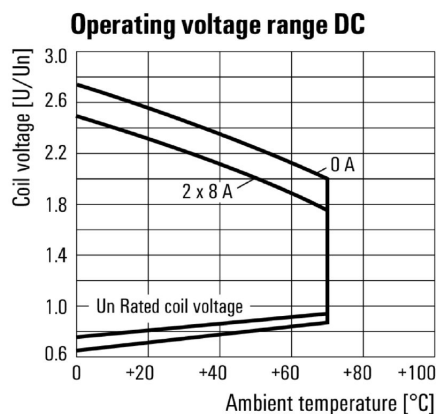
View of Pins from below

### Graph



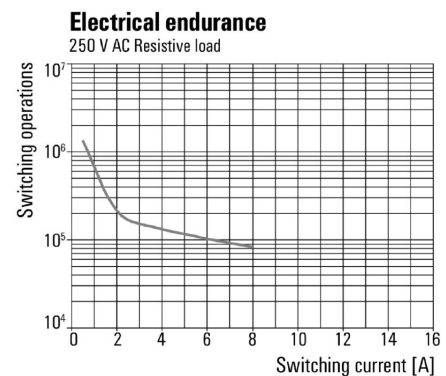
DC load limit curve Resistive load

### Graph



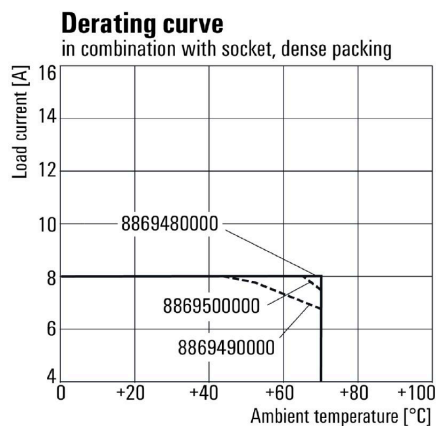
DC operational voltage range

### Graph



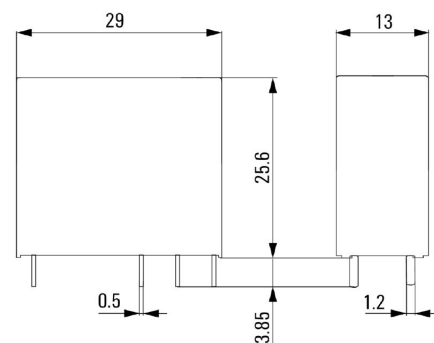
Electrical service life 250 V AC resistive load

### Graph



Derating curve Relay in combination with base

### Dimensional drawing




























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**Drawings**
**Miscellaneous**

		RCI									
<b>Type</b>											
<b>RIDER Control Industrial</b>											
<b>Type of construction</b>											
3	16 A pinning 5 mm										
4	8 A, pinning 5mm										
<b>Type of contact</b>											
1	1 CO without push button										
2	2 CO without push button										
7	1 CO with push button										
8	2 CO with push button										
<b>Contact material</b>											
4	AgNi 90/10										
											

<b>Coil voltage</b>	
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

**Coil voltage**

012	12 V DC
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Type codes

## RCI424AC4

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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 ST	
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 ST	
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 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.	<a href="#">8870840000</a>	RIDERSERIES RCI, Cross-connector
GTIN (EAN)	4032248631681	
Qty.	10 ST	

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[www.weidmueller.com](http://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.	<a href="#">1132070000</a>	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.	<a href="#">8869510000</a>	RIDERSERIES RCI, Retaining clip
GTIN (EAN)	4032248614462	
Qty.	10 ST	

## RCI424AC4

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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.	<a href="#">1132090000</a>	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-H 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 ST	



## RCI424AC4

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## Accessories

## 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 6/24VDC	Version
Order No.	<a href="#">8869590000</a>	RIDERSERIES, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248614530	voltage: 6...24 V DC, Plug-in connection
Qty.	10 ST	
Type	RIM-I 2 6/24VDC GN	Version
Order No.	<a href="#">8869600000</a>	RIDERSERIES, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248614547	voltage: 6...24 V DC, Plug-in connection
Qty.	10 ST	
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 ST	
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 ST	

## 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 6/24VUC	Version
Order No.	<a href="#">8869630000</a>	RIDERSERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in connection
GTIN (EAN)	4032248614578	
Qty.	10 ST	
Type	RIM-I 3 6/24VUC GN	Version
Order No.	<a href="#">8869640000</a>	RIDERSERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in connection
GTIN (EAN)	4032248614585	
Qty.	10 ST	

## RCI424AC4

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## Accessories

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 ST	
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 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 24VUC VAR	Version
Order No.	<a href="#">8869710000</a>	RIDERSERIES, Protective varistor, Rated control voltage: 24 V UC,
GTIN (EAN)	4032248606344	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

## 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.	3000 ST	

## RCI424AC4

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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.

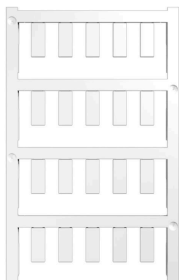
Your benefits with MultiMark

- "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.	<a href="#">2005100000</a>	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.	<a href="#">2558350000</a>	ESG, Device markers x 15 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4050118569063	
Qty.	200 ST	

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**Counterpart****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 ST	
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 ST	
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 ST	