

**RIDERSERIES  
RCI424AC4**

**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 relay within the RIDERSERIES RCI.

- 2 CO contacts
- Relay with DC coil
- Relay with integrated status display and free-wheel diode

**General ordering data**

Type	RCI424AC4
Order No.	<a href="#">8870180000</a>
Version	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4032248613540
Qty.	10 pc(s).

## RIDERSERIES RCI424AC4

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

## Technische Daten

### Dimensions and weights

Width	13 mm	Height	29 mm
Depth	25.5 mm	Weight	13 g
Net weight	17.3 g		

### Temperatures

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

### Input

Coil resistance	1440 Ω ± 10 %	Protective circuit	Integrated free-wheel diode
Pull-inrop-out current, typ.		Rated control voltage	24 V DC
Rated current DC	16.7 mA	Power rating	400 mW
Pull-inrop-out voltage, typ.	16.8 V / 2.4 V DC	Status indicator	Green LED

### Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	400 V
Continuous current	8 A	Inrush current	15 A / 4 s
Schaltleistung AC (ohmsch), max.	2000 VA @ 250 V	Schaltleistung DC (ohmsch), max.	192 W @ 24 V
Switch-on delay	≤ 10 ms	Switch-off delay	≤ 6 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA	Max. switching frequency at rated load	0.1 Hz

### Contact data

No. of contacts	2	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

### General data

Wire connection method	Plug-in connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Weight	13 g	UL 94 flammability rating	V-0

### Insulation coordination

Creepage and clearance distance input - output	≥ 8 mm	Dielectric strength input - output	5 kV <sub>eff</sub>
Dielectric strength, contact contact	2.5 kV <sub>eff</sub>	Rated voltage	250 V
Impulse withstand voltage	5 kV (1.2/50 μs)	Protection degree	IP 20
Insulating material group	IIIa	Pollution severity	2
Surge voltage category	III		

### Other technical data

Version	With LED + freewheel diode	Protective circuit	Integrated free-wheel diode
Status indicator	Green LED		

**Datenblatt**

**RIDERSERIES  
RCI424AC4**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technische Daten**

**Further details of approvals / standards**

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

**Connection data**

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

**Classifications**

ETIM 3.0	EC001437	UNSPSC	30-21-19-17
eClass 5.1	27-37-16-01	eClass 6.2	27-37-16-01
eClass 7.1	27-37-16-01		

**Product information**

Descriptive text technical data	x = 25.5 without test button / 26.7 with test button
---------------------------------	--

**Approvals**

Approvals



ROHS	Conform
------	---------

**Downloads**

Declaration of Conformity	<a href="#">K295_02_13.pdf</a>
---------------------------	--------------------------------

**RIDERSERIES  
RCI424AC4**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

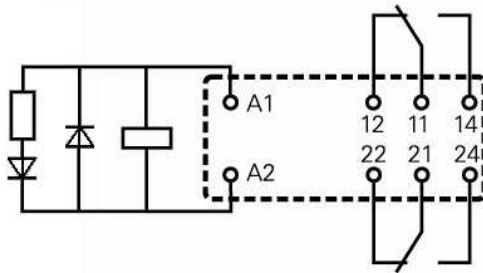
**Zeichnungen**

**Pinning**

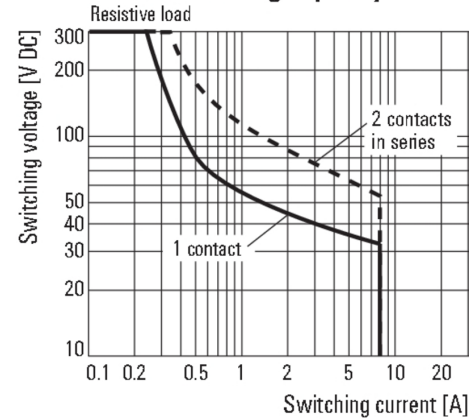
**Circuit diagram**

View on pins

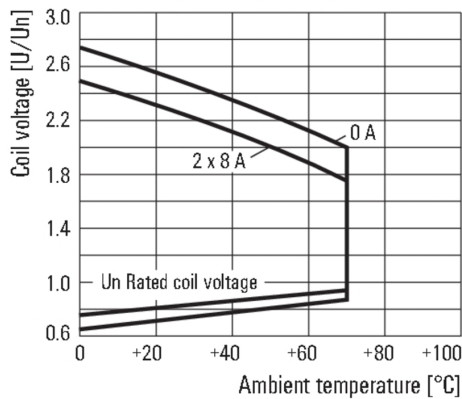
2 C/O changeover contacts



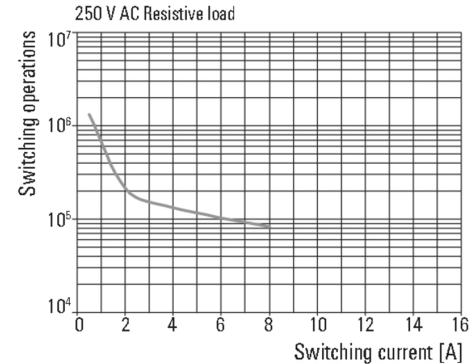
**DC load breaking capacity**



**Operating voltage range DC**



**Electrical endurance**



**RIDERSERIES  
RCI424AC4**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Zeichnungen**

<b>Type code</b>	<b>RCI</b>				
<b>Type</b>	<b>RIDER Control Industrial</b>				
<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