

**RIDERSERIES
RCI424AB2****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	RCI424AB2
Order No.	8870170000
Version	RIDERSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4032248613533
Qty.	10 pc(s).

RIDERSERIES
RCI424AB2

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

Technical data
Dimensions and weights

Width	13 mm	Height	29 mm
Depth	25.5 mm	Weight	13 g
Net weight	17.2 g		

Temperatures

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

Input

Protective circuit	Integrated free-wheel diode	Rated control voltage	12 V DC
Rated current DC	33.3 mA	Coil resistance	360 Ω ± 10 %
Power rating	400 mW	Pull-in (sparkover) drop-out voltage DC coil	8.4 V / 1.2 V
Status indicator	Green LED		

Output

Rated switching voltage	240 V AC	Max. switching voltage, AC	400 V
Continuous current	8 A	Inrush current	15 A / 4 s
Max. switching power	2000 VA	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 specifications

No. of contacts	2	Contact design	CO contact
Contact material	AgNi 90/10	Mechanical service life	AC coil 5 x 10 ⁶ Switching cycles, DC coil 10 x 10 ⁶ 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 _{eff}
Dielectric strength, contact contact	2.5 kV _{eff}	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		

Creation date October 13, 2013 9:02:51 PM CEST

**RIDERSERIES
RCI424AB2**

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

Technical data**Further details of approvals / standards**

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	K295_02_13.pdf
---------------------------	--------------------------------

RIDERSERIES
RCI424AB2

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

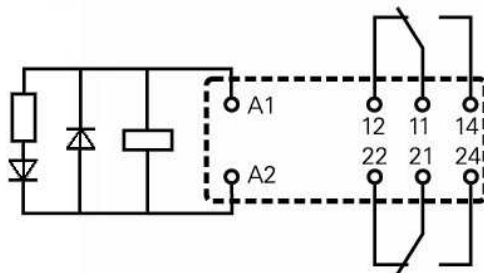
Drawings

Pinning

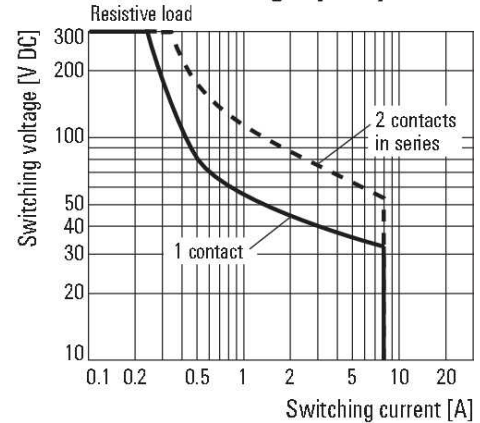
Circuit diagram

View on pins

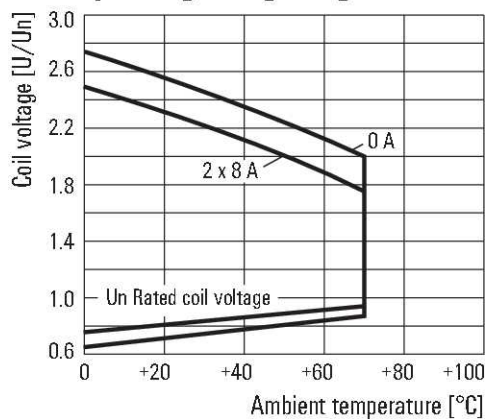
2 C/O changeover contacts



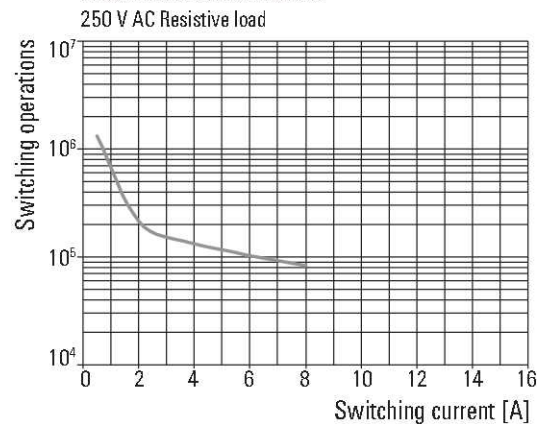
DC load breaking capacity



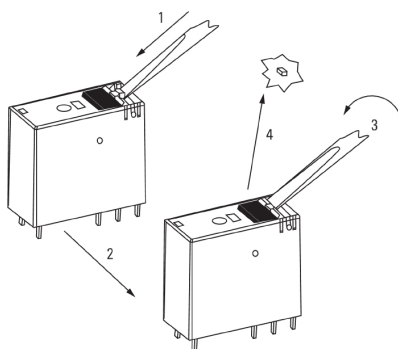
Operating voltage range DC



Electrical endurance



Removal of snap lock



**RIDERSERIES
RCI424AB2**

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

Mating connector (fully pluggable)**Base**

Relay base for the RIDERSERIES RCI relays

- 1 and 2 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
SRC-I 2CO	8869490000	RIDERSERIES, Relay base, Continuous current: 16 A ⁽¹⁾ , 8 A, Screw connection	4032248614448	10 pc(s).
SRC-I 2CO N	8869480000	RIDERSERIES, Relay base, Continuous current: 16 A ⁽¹⁾ , 8 A, Screw connection	4032248614431	10 pc(s).
SRC-I 2CO P	8869500000	RIDERSERIES, Relay base, Continuous current: 16 A ⁽¹⁾ , 8 A, PUSH IN spring connection	4032248614455	10 pc(s).

RIDERSERIES
RCI424AB2

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

Drawings

Type code	RCI				
Type	RIDER Control Industrial				
Type of construction	3 1-pole, 16 A 4 2-pole, 8 A				
Type of contact	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				
Contact material	4 AgNi 90/10				
					Coil
					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