

**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 pc(s).

Creation date September 2, 2022 12:02:23 PM CEST

Catalogue status 26.08.2022 / 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	14.53 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	24 V DC	Rated current DC	17.5 mA
Power rating	419 mW	Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC
Coil resistance	1440 Ω ± 10 %	Coil tolerance	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	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
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 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	ECLASS 12.0	27-37-16-01

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	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>
Product Change Notification	<a href="#">20220511 Product consolidation RIDERSERIES RCI relays</a> <a href="#">20220511 Produktkonsolidierung RIDERSERIES RCI Relais</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

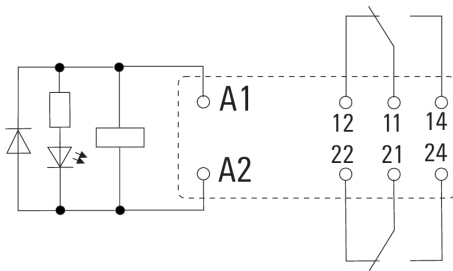
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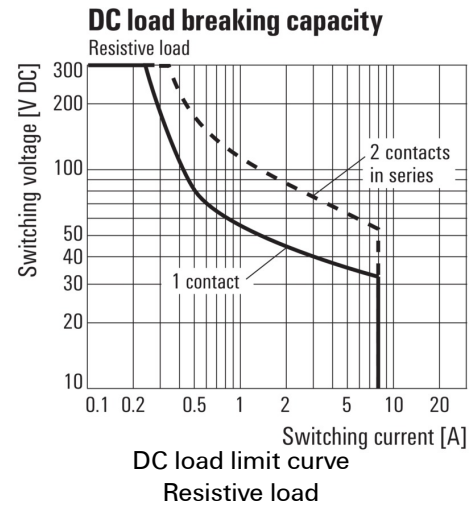
**Drawings**

**Wiring diagram**

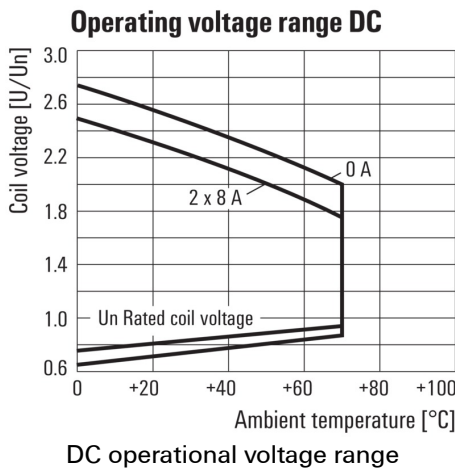


View of Pins from below

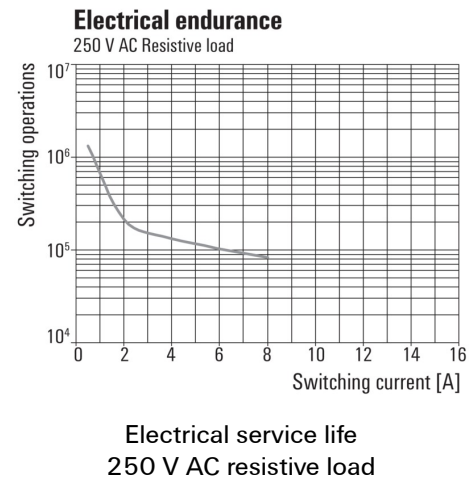
**Graph**



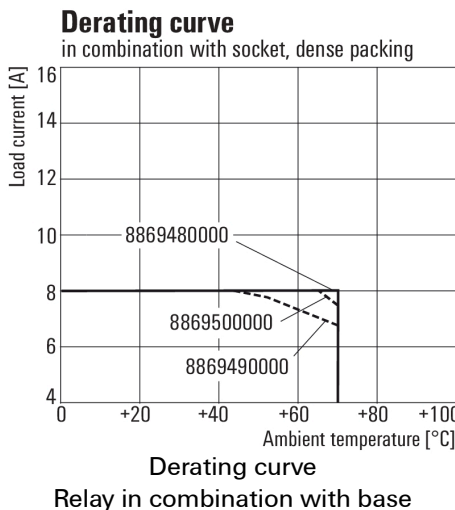
**Graph**



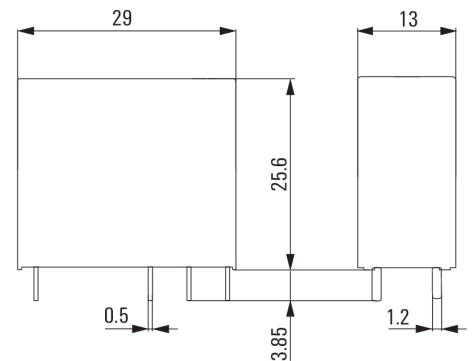
**Graph**



**Graph**



**Dimensional drawing**



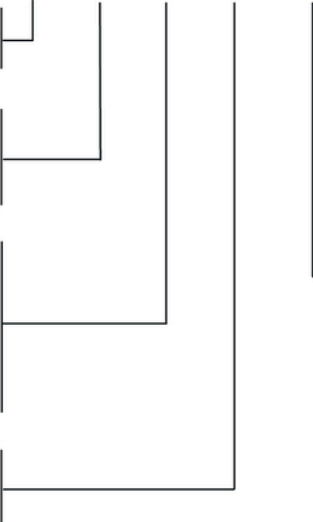
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**Drawings**

**Miscellaneous**

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