

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.	8870180000
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.

RCI424AC4

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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
-------------------------	---------

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 ⁶ switching cycles, DC coil 10 x 10 ⁶ 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 _{eff} / 1 min
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.	Dielectric strength of open contact	1 kV _{eff} / 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

RCI424AC4

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Connection data

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

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	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Product Change Notification	20220511 Product consolidation RIDERSERIES RCI relays 20220511 Produktkonsolidierung RIDERSERIES RCI Relais
Catalogues	Catalogues in PDF-format
Brochures	

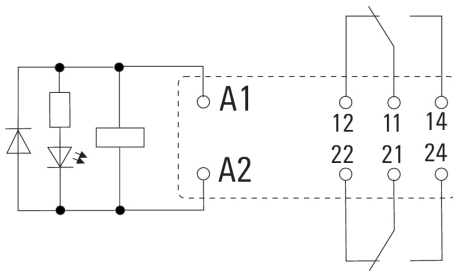
RCI424AC4

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

www.weidmueller.com

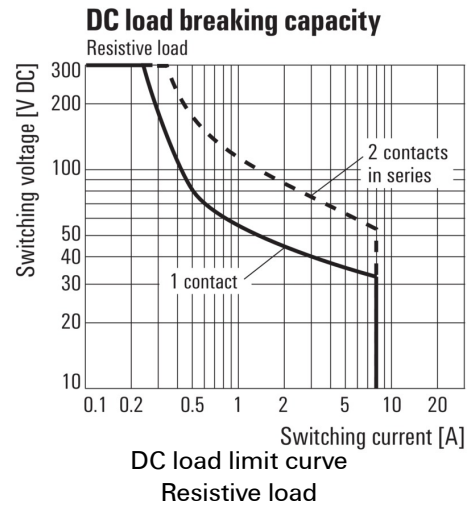
Drawings

Wiring diagram

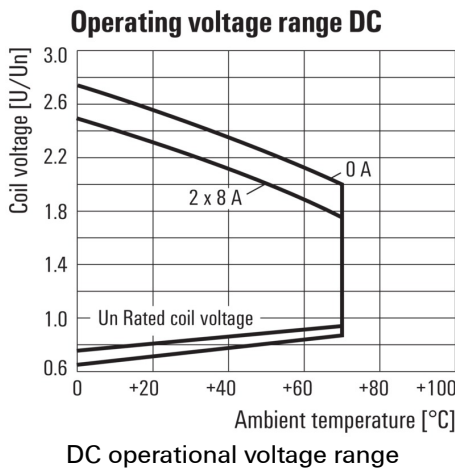


View of Pins from below

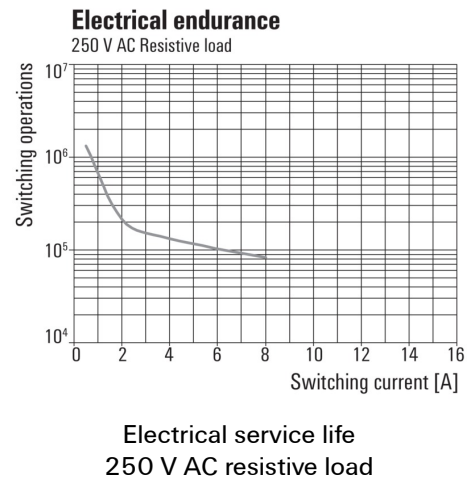
Graph



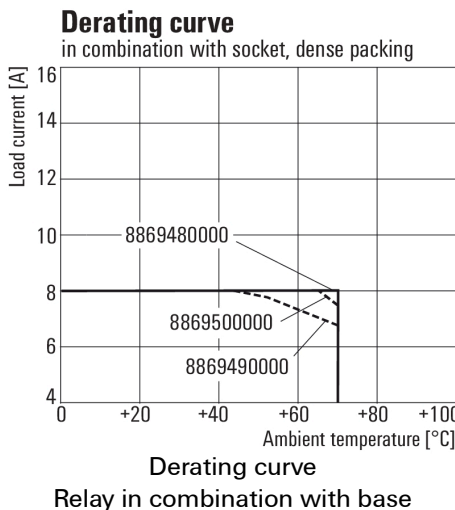
Graph



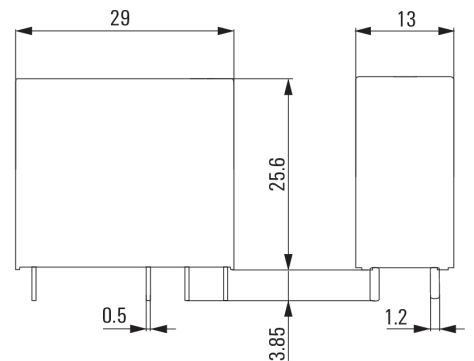
Graph



Graph



Dimensional drawing



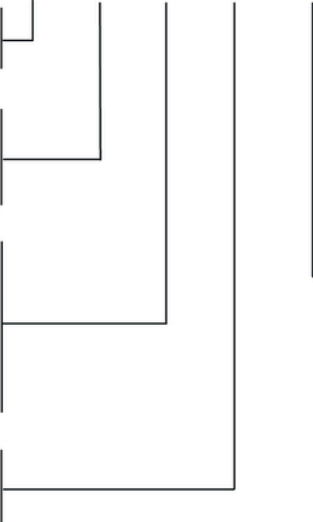
RCI424AC4

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

www.weidmueller.com

Drawings

Miscellaneous

	RCI					
Type						Coil voltage
RIDER Control Industrial						012 12 V DC
Type of construction		024 24 V DC				
3 16 A pinning 5 mm		048 48 V DC				
4 8 A, pinning 5mm		110 110 V DC				
Type of contact		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				
Contact material		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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [General Purpose Relays](#) category:

Click to view products by [Weidmuller](#) manufacturer:

Other Similar products are found below :

[PCN-105D3MH,000](#) [59641F200](#) [5JO-1000CD-SIL](#) [5X827E](#) [5X837F](#) [5X840F](#) [5X842F](#) [5X848E](#) [LY2N-AC120](#) [LY2-US-AC120](#) [LY2-US-DC24](#) [LY3-US-AC120](#) [LY4F-UA-DC12](#) [LY4F-UA-DC24](#) [LY4F-US-AC120](#) [LY4F-US-AC240](#) [LY4F-US-DC24](#) [LY4F-VD-AC110](#)
[M115C60](#) [M115N010](#) [M115N0150](#) [603-12D](#) [60HE1-5DC](#) [60HE2S-12DC](#) [61211T0B4](#) [61212T400](#) [61222Q400](#) [61243B600](#) [61243C500](#)
[61243Q400](#) [61311BOA2](#) [61311BOA6](#) [61311BOA8](#) [61311C0A2](#) [61311COA1](#) [61311COA6](#) [61311F0A2](#) [61311QOA1](#) [61311QOA4](#)
[61311T0D6](#) [61311TOA6](#) [61311TOA7](#) [61311TOB3](#) [61311TOB4](#) [61311U0A6](#) [61312Q600](#) [61312T400](#) [61312T600](#) [61313U200](#) [61313U400](#)