

RCI424AB2**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 90/10, Rated control voltage: 12 V DC, Continuous current: 8 A, Plug-in connection
Order No.	8870170000
Type	RCI424AB2
GTIN (EAN)	4032248613533
Qty.	10 pc(s).

Creation date March 29, 2021 11:29:20 PM CEST

Catalogue status 12.03.2021 / 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
Net weight	16.5 g	Width	13 mm
Width (inches)	0.512 inch		

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

Coil resistance	360 $\Omega \pm 10\%$	Power rating	762 mW
Protective circuit	Free-wheeling diode	Pull-in/drop-out voltage, typ.	8.4 V / 1.2 V DC
Rated control voltage	12 V DC	Rated current DC	63 mA
Status indicator	Green LED		

Load side

AC switching capacity (resistive), max.	2000 VA	Continuous current	8 A
DC switching capacity (resistive), max.	192 W @ 24 V	Inrush current	15 A / 4 s
Max. switching frequency at rated load	0.1 Hz	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Rated switching voltage	250 V AC	Switch-off delay	≤ 6 ms
Switch-on delay	≤ 10 ms		

Contact data

Contact type	2 CO contact (AgNi 90/10)	Mechanical service life	AC coil 5×10^6 switching cycles, DC coil 10×10^6 switching cycles
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General data

Test button	No	Mechanical switch position indicator	No
Colour	Transparent	UL 94 flammability rating	V-2

Insulation coordination

Creepage and clearance distance input – output	≥ 8 mm	Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Dielectric strength of open contact	1 kV _{eff} / 1 min	Dielectric strength, Input/Output	5 kV _{eff} / 1 min
Impulse withstand voltage	5 kV (1.2/50 μ s)	Insulating material group	IIIa
Pollution severity	2	Rated voltage	250 V
Surge voltage category	III		

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
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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E224238

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD

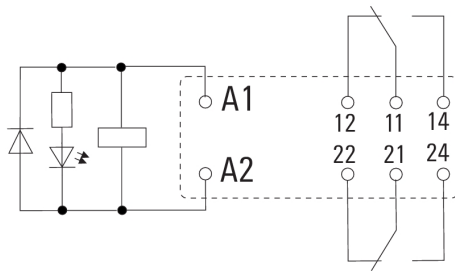
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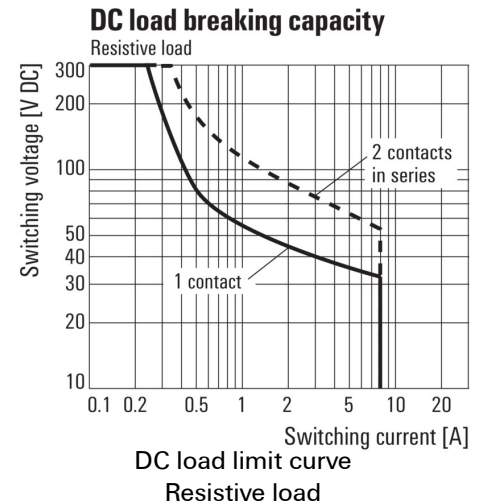
Drawings

Wiring diagram

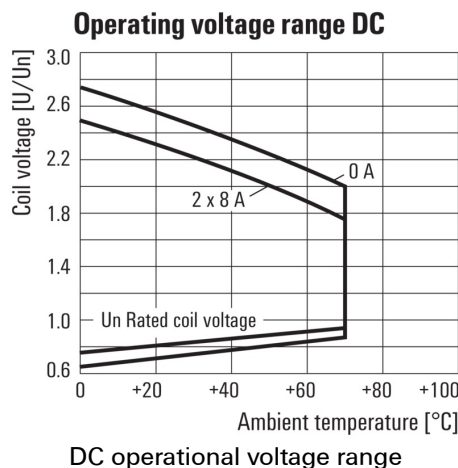


View of Pins from below

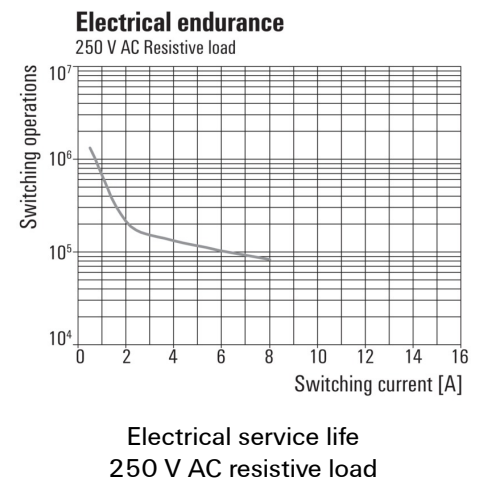
Graph



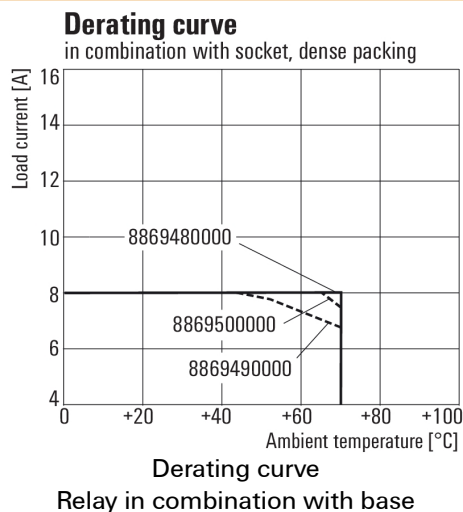
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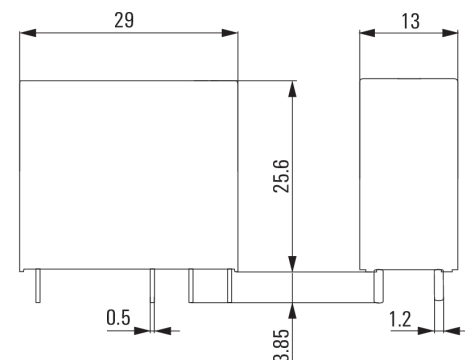
Graph



Graph



Dimensional drawing



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

Type codes