

RIDERSERIES RCI
RCI314024

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
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www.weidmueller.com

Product image

Similar to illustration

Standard relays in the RIDERSERIES RCI.

- 1 CO contact
- Optionally AC or DC coils

General ordering data

Type	RCI314024
Order No.	8869810000
Version	RIDERSERIES RCI, Relay, No. of contacts: 1 CO contact AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection
GTIN (EAN)	4032248613168
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	13 mm	Width (inches)	0.512 inch
Height	29 mm	Height (inches)	1.142 inch
Depth	25.6 mm	Depth (inches)	1.008 inch
Net weight	17.4 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E224238
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Input

Rated control voltage	24 V DC	Rated current DC	16.7 mA
Power rating	400 mW	Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC
Coil resistance	1440 $\Omega \pm 10\%$		

Output

Rated switching voltage	240 V AC	Max. switching voltage, AC	400 V
Continuous current	16 A	Inrush current	30 A / 4 s
Switch-on delay	≤ 8 ms	Switch-off delay	≤ 6 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V	Max. switching frequency at rated load	0.1 Hz

Contact data

Contact type	1 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

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

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Technical data
Further details of approvals / standards

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

Connection data

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

ETIM 3.0	EC001437	ETIM 4.0	EC001437
ETIM 5.0	EC001437	ETIM 6.0	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
eClass 8.1	27-37-16-01	eClass 9.0	27-37-16-01
eClass 9.1	27-37-16-01		

Approvals

Approvals



ROHS	Conform
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Downloads

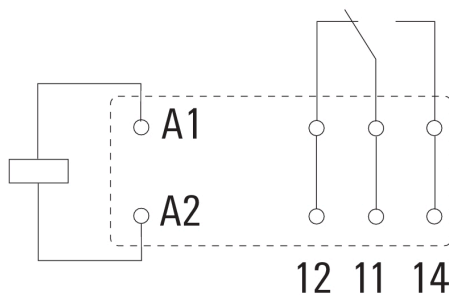
Approval/Certificate/Document of Conformity	DE_PA5600_160401_002.pdf
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN.WSCAD
Engineering Data	STEP

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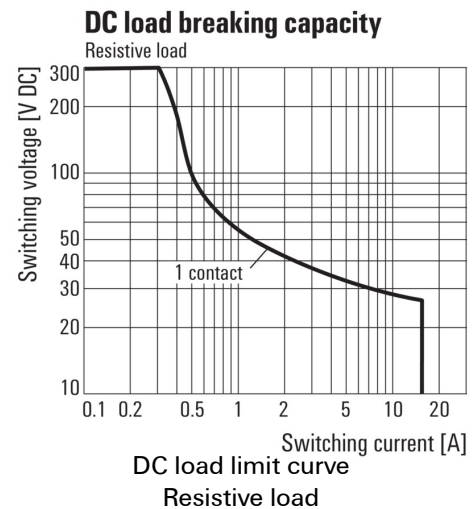
Drawings

Wiring diagram

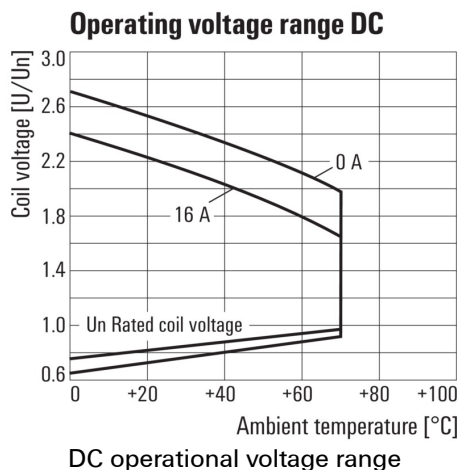


View of Pins from below

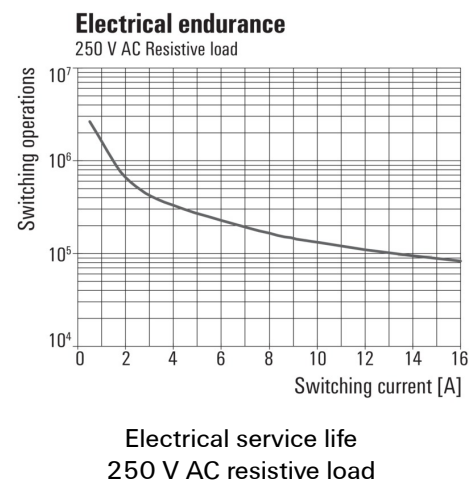
Graph



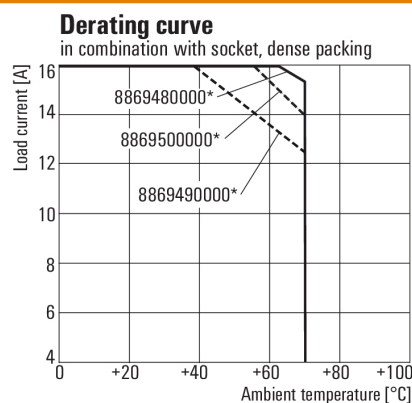
Graph



Graph



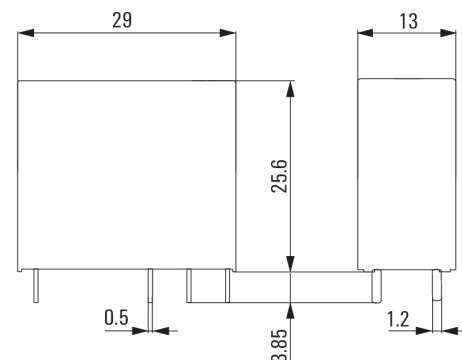
Graph



* For full continuous current (16 A), socket connections
11-21, 12-22 and 14-24 must be bridged.

Derating curve
Relay in combination with base

Dimensional drawing



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Drawings
Miscellaneous

	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