

RCI374024**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

- 1 CO contact
- Optional AC or DC coils
- With test button

General ordering data

Version	RIDERSERIES RCI, Relay, Number of contacts: 1, CO contact AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection
Order No.	8869960000
Type	RCI374024
GTIN (EAN)	4032248613328
Qty.	10 pc(s).

Creation date March 29, 2021 11:28:00 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	26.7 mm	Depth (inches)	1.051 inch
Height	29 mm	Height (inches)	1.142 inch
Net weight	17 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	1440 Ω ± 10 %	Power rating	761 mW
Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC	Rated control voltage	24 V DC
Rated current DC	31.6 mA		

Load side

AC switching capacity (resistive), max.	4000 VA	Continuous current	16 A
DC switching capacity (resistive), max.	384 W @ 24 V	Inrush current	30 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	≤ 8 ms		

Contact data

Contact type	1 CO contact (AgNi 90/10)	Mechanical service life	AC coil 5 x 10 ⁶ switching cycles, DC coil 10 x 10 ⁶ switching cycles
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General data

Test button	yes (lockable, just when removing the detent lock)	Mechanical switch position indicator	Yes
Colour	Transparent	UL 94 flammability rating	V-2

Insulation coordination

Creepage and clearance distance input – output	≥ 8 mm	Dielectric strength of open contact	1 kV _{eff} / 1 min
Dielectric strength, Input/Output	5 kV _{eff} / 1min	Impulse withstand voltage	5 kV (1.2/50 μs)
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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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

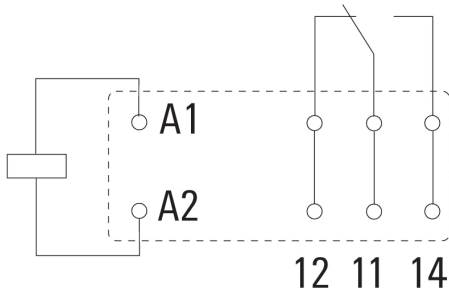
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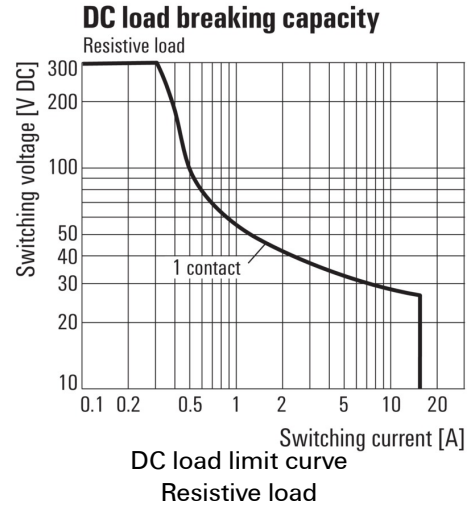
Drawings

Wiring diagram

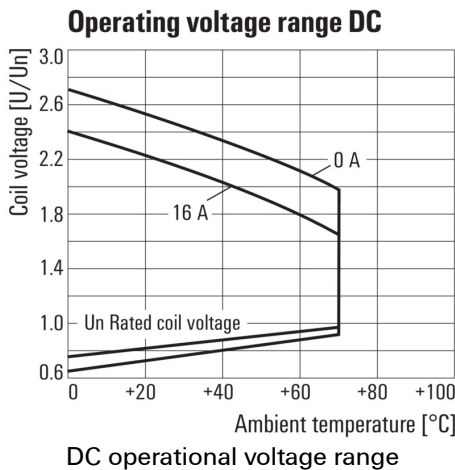


View of Pins from below

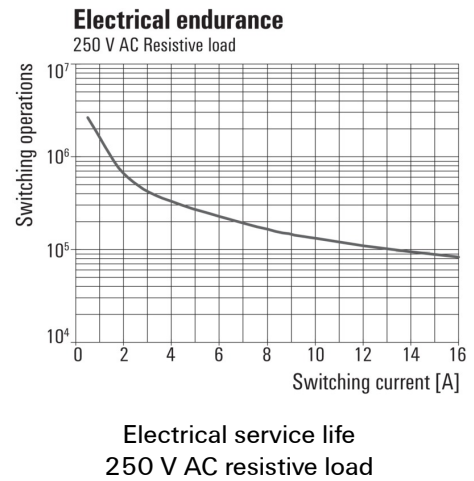
Graph



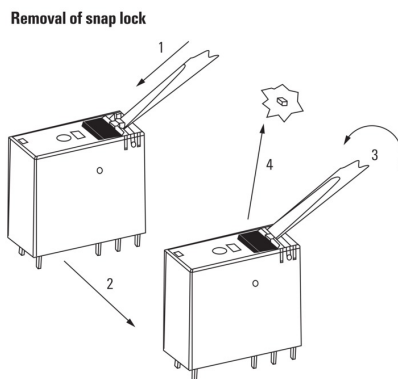
Graph



Graph

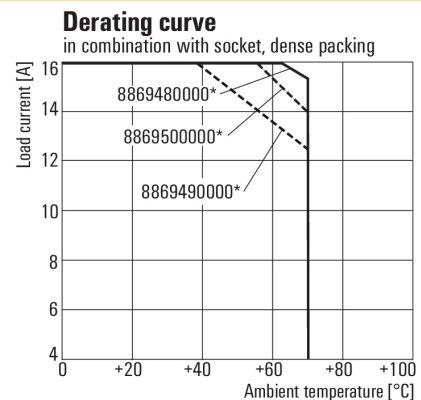


Dimensional drawing



Derating curve
Relay in combination with base

Derating curve



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

Relay in combination with base

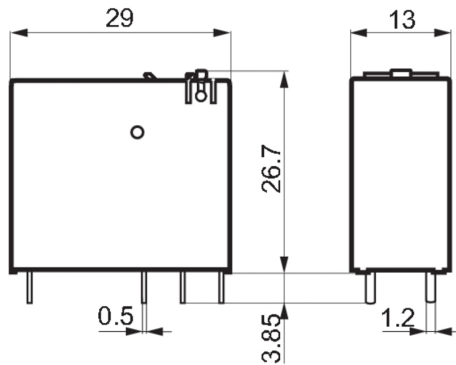
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Drawings

Dimensional drawing



Miscellaneous

	<div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> RCI </div>	
<p>Type RIDER Control Industrial</p> <p>Type of construction 3 16 A pinning 5 mm 4 8 A, pinning 5mm</p> <p>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</p> <p>Contact material 4 AgNi 90/10</p>		<p>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</p> <p>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</p>

Type codes