Data sheet

RCI484AC4

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

www.weidmueller.com

Product image



Individual relays within the RIDERSERIES RCI
- 2 CO contacts
- DC coils
- With integrated status LED, free-wheeling diode and test button

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: Yes
Order No.	8870320000
Type	RCI484AC4
GTIN (EAN)	4032248613700
Qty.	10 items
Delivery status	This article will no longer be available in the future.
Last order date	2026-01-31T00:00:00+01:00
Alternative product	CRI20024T

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	26.7 mm	Depth (inches)	1.0512 inch
Height	29 mm	Height (inches)	1.1417 inch
Width	13 mm	Width (inches)	0.5118 inch
Net weight	15.04 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Control side

Rated control voltage	24 V DC	Rated current DC	17.5 mA
Power rating	419 mW	Coil resistance	1440 Ω ± 10 %
Status indicator	Green LED	Protective circuit	Free-wheeling diode

Load side

Rated switching voltage	240 V AC	Continuous current	8 A
Switching frequency (rated load), max.	0.1 Hz	Switching voltage (AC), max.	250 V
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 106 switching cycles, DC coil 10 x 106 switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V

General data

Test button available	Yes	Version of test button	lockable, just when removing the detend lock, Momentary test button
Mechanical switch position indicator available	Yes	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

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Clearance and creepage distances for control side - load side	≥ 8 mm	Dielectric strength for control side - load side	5 kVeff / 1min
Dielectric strength of neighbouring contacts	2.5 kVeff / 1 Min.	Dielectric strength of open contact	1 kVeff / 1 min
Impulse withstand voltage	5 kV (1.2/50 µs)		

Further details of approvals / standards

Certificate No. (CSA)	249409-2426937

Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm

Classifications

ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

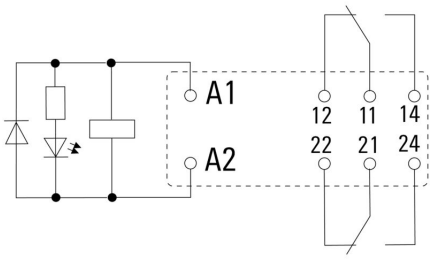
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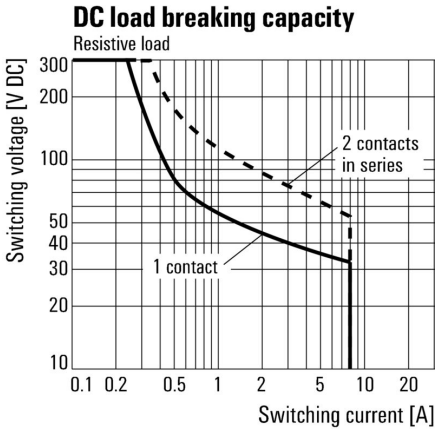
Drawings

Wiring diagram



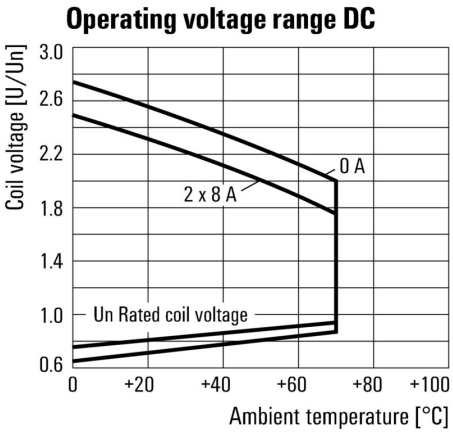
View of Pins from below

Graph



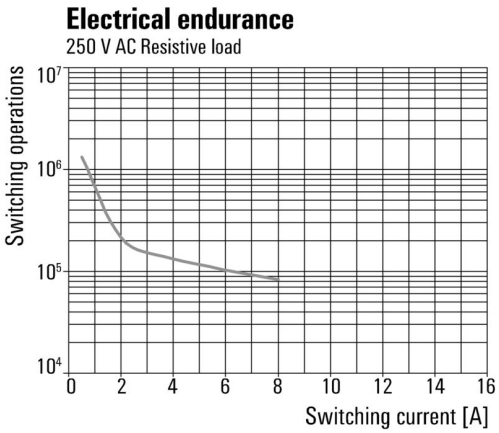
DC load limit curve Resistive load

Graph



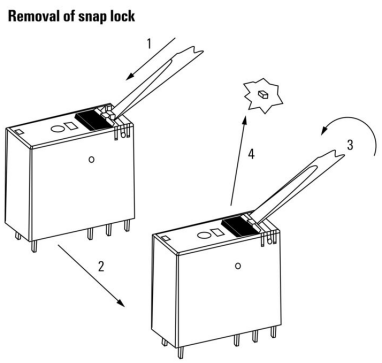
DC operational voltage range

Graph



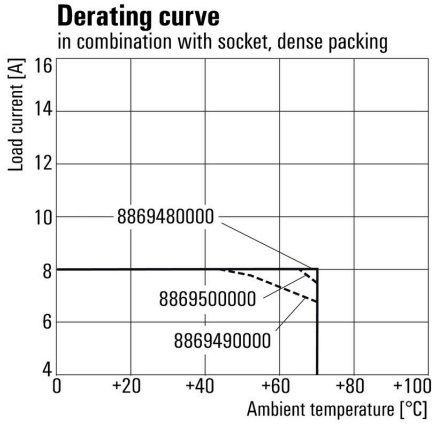
Electrical service life 250 V AC resistive load

Dimensional drawing



Detailed drawing Removal of the test button detent lock

Derating curve



Relay in combination with base

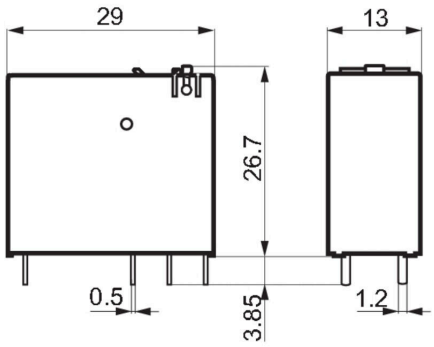
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Drawings

Dimensional drawing



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

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