

Product image



Similar to illustration

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: 110 V DC, Continuous current: 8 A, Plug-in connection, Test button available: Yes
Order No.	8870340000
Type	RCI484BB0
GTIN (EAN)	4032248613724
Qty.	10 items
Delivery status	This article will no longer be available in the future.
Last order date	2024-10-31T00:00:00+01:00
Alternative product	CRI20110T

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	16 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 with exemption
RoHS Exemption (if applicable/known)	7a
REACH SVHC	Lead 7439-92-1
SCIP	85ecb834-8971-4667-a012-c65a77e9d726

Control side

Rated control voltage	110 V DC	Rated current DC	4.6 mA
Power rating	507 mW	Coil resistance	28800 Ω ± 12 %
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	Max. switching voltage, AC	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 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	Yes	Version of test button	lockable, just when removing the detend lock, Momentary test button
Mechanical switch position indicator	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

RCI484BB0

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Clearance and creepage distances for control side - load side	≥ 8 mm	Dielectric strength for control side - load 5 kVeff / 1min side	
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
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Connection data

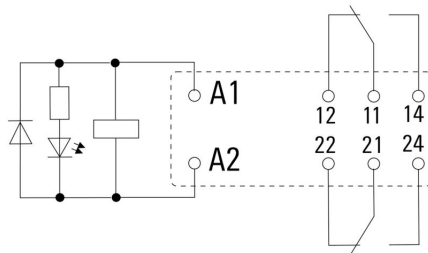
Wire connection method	Plug-in connection	Pitch in mm (P)	5.00 mm
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Classifications

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		

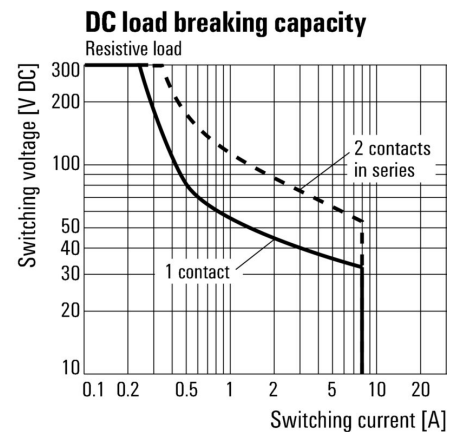
Drawings

Wiring diagram



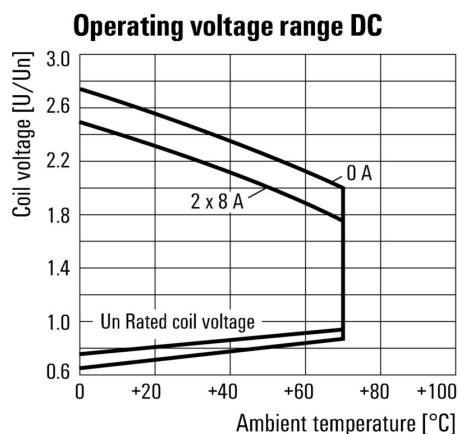
View of Pins from below

Graph



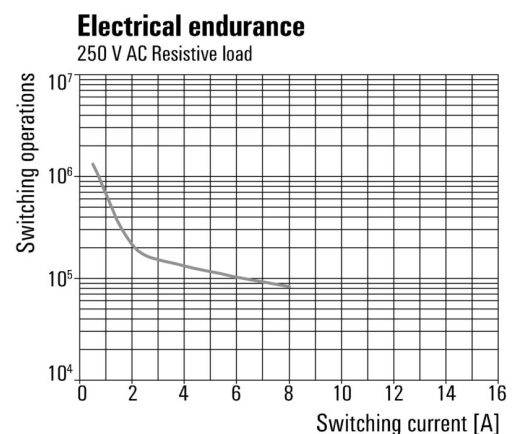
DC load limit curve Resistive load

Graph



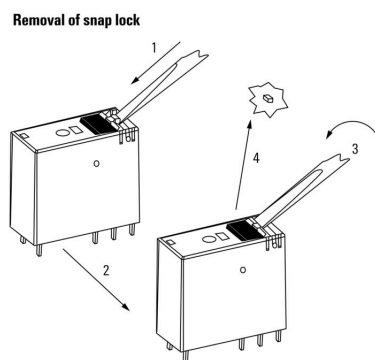
DC operational voltage range

Graph



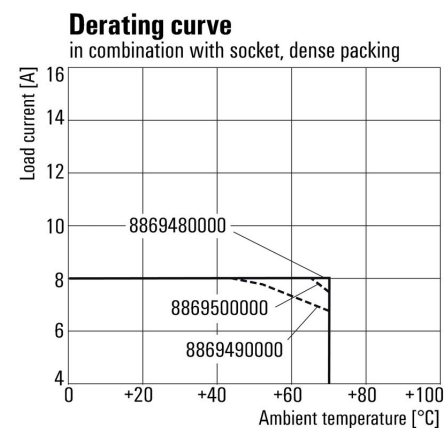
Electrical service life 250 V AC resistive load

Dimensional drawing



Detailed drawing Removal of the test button detent lock

Derating curve



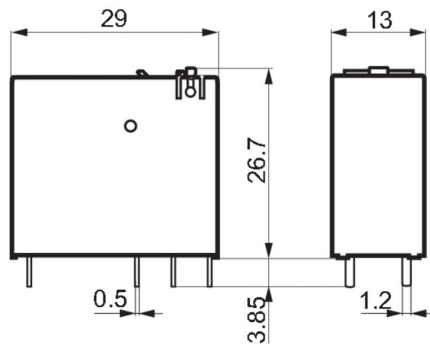
Relay in combination with base

RCI484BB0
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Drawings
Dimensional drawing

Miscellaneous

		RCI						
Type							Coil voltage	
RIDER Control Industrial							012	12 V DC
							024	24 V DC
Type of construction							048	48 V DC
3	16 A pinning 5 mm						110	110 V DC
4	8 A, pinning 5mm						AB2	12 V DC + LED + diode
Type of contact							AC4	24 V DC + LED + diode
1	1 CO without push button						AE8	48 V DC + LED + diode
2	2 CO without push button						BB0	110 V DC + LED + diode
7	1 CO with push button						524	24 V AC
8	2 CO with push button						615	115 V AC
Contact material							730	230 V AC
4	AgNi 90/10						R24	24 V AC + LED
							S15	115 V AC + LED
							T30	230 V AC + LED

Type codes