

**RCI484BB0****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**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.           | <a href="#">8870340000</a>                                                                                                                                               |
| Type                | RCI484BB0                                                                                                                                                                |
| GTIN (EAN)          | 4032248613724                                                                                                                                                            |
| Qty.                | 10 items                                                                                                                                                                 |
| Delivery status     | This article will no longer be available in the future.                                                                                                                  |
| Available until     | 2024-10-31T00:00:00+01:00                                                                                                                                                |
| Alternative product | <a href="#">CRI20110T</a>                                                                                                                                                |

## RCI484BB0

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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 | 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 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 | 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 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 |
|-----------------------|----------------|

## Connection data

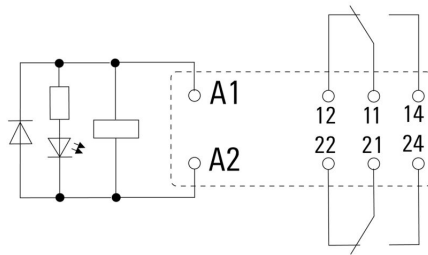
|                        |                    |                 |         |
|------------------------|--------------------|-----------------|---------|
| Wire connection method | Plug-in connection | Pitch in mm (P) | 5.00 mm |
|------------------------|--------------------|-----------------|---------|

## 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 |             |             |

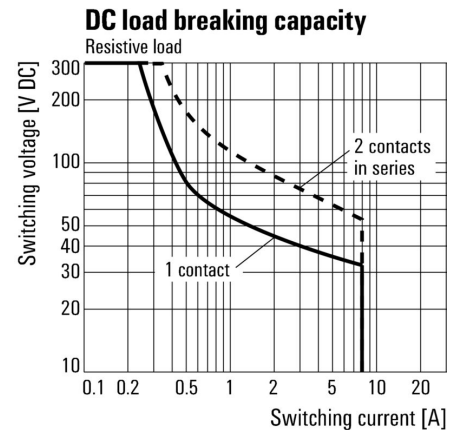
## Drawings

### Wiring diagram



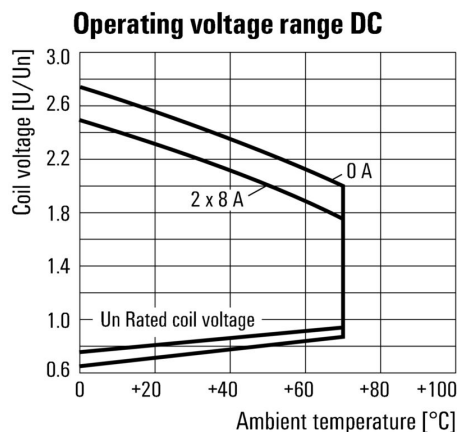
View of Pins from below

### Graph



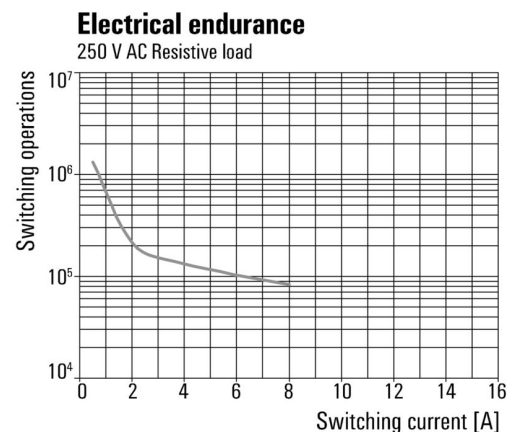
DC load limit curve Resistive load

### Graph



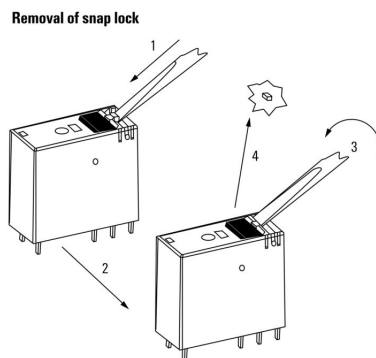
DC operational voltage range

### Graph



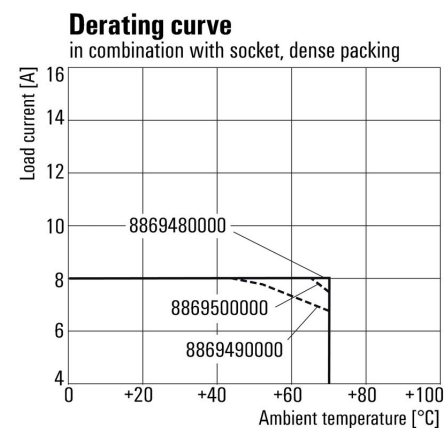
Electrical service life 250 V AC resistive load

### Dimensional drawing



Detailed drawing Removal of the test button detent lock

### Derating curve



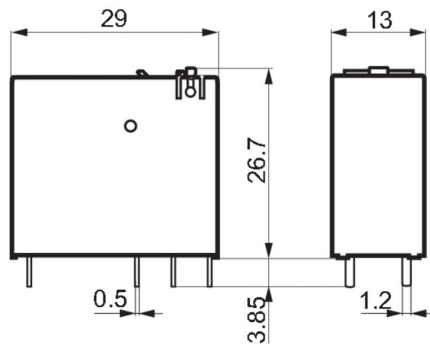
Relay in combination with base

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**Drawings**
**Dimensional drawing**

**Miscellaneous**

|                          |                          | RCI |  |  |  |  |              |                        |
|--------------------------|--------------------------|-----|--|--|--|--|--------------|------------------------|
| Type                     |                          |     |  |  |  |  | Coil voltage |                        |
| RIDER Control Industrial |                          |     |  |  |  |  | 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 |
| Type of construction     |                          |     |  |  |  |  |              |                        |
| 3                        | 16 A pinning 5 mm        |     |  |  |  |  | 524          | 24 V AC                |
| 4                        | 8 A, pinning 5mm         |     |  |  |  |  | 615          | 115 V AC               |
| Type of contact          |                          |     |  |  |  |  | 730          | 230 V AC               |
| 1                        | 1 CO without push button |     |  |  |  |  | R24          | 24 V AC + LED          |
| 2                        | 2 CO without push button |     |  |  |  |  | S15          | 115 V AC + LED         |
| 7                        | 1 CO with push button    |     |  |  |  |  | T30          | 230 V AC + LED         |
| 8                        | 2 CO with push button    |     |  |  |  |  |              |                        |
| Contact material         |                          |     |  |  |  |  |              |                        |
| 4                        | AgNi 90/10               |     |  |  |  |  |              |                        |

Type codes