

RCI484BB0**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

- 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 pc(s). |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2024-10-31 |
| Alternative product | 7760056342 |

Creation date March 12, 2024 12:12:58 PM CET

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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 |
| Width | 13 mm | Width (inches) | 0.512 inch |
| Net weight | 17 g | | |

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) | E522350 |
|-------------------------|---------|

Control side

| | | | |
|-----------------------|---------------------|------------------|----------------|
| Rated control voltage | 110 V DC | Rated current DC | 4.6 mA |
| Power rating | 507 mW | Coil resistance | 28800 Ω ± 12 % |
| Coil tolerance | 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 |
| Clearance and creepage distances for control side - load side | ≥ 8 mm | Dielectric strength for control side - load side | 5 kV _{eff} / 1 min |
| Dielectric strength of neighbouring contacts | 2.5 kV _{eff} / 1 Min. | Dielectric strength of open contact | 1 kV _{eff} / 1 min |
| Impulse withstand voltage | 5 kV (1.2/50 μs) | | |

Further details of approvals / standards

| | | | |
|-------------------------|----------------|-----------------------|----------|
| Certificate No. (CSA) | 249409-2426937 | Certificate No. (VDE) | 40018043 |
| Certificate No. (cURus) | E522350 | | |

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Catalogue status 09.03.2024 / We reserve the right to make technical changes.

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Technical data

Connection data

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001437 | ETIM 7.0 | EC001437 |
| ETIM 8.0 | EC001437 | ETIM 9.0 | 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 |
| ECLASS 12.0 | 27-37-16-01 | ECLASS 13.0 | 27-37-16-01 |

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E522350 |

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Product Change Notification | 20220511 Product consolidation RIDERSERIES RCI relays 20220511 Produktkonsolidierung RIDERSERIES RCI Relais |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

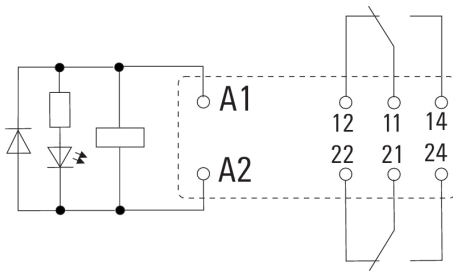
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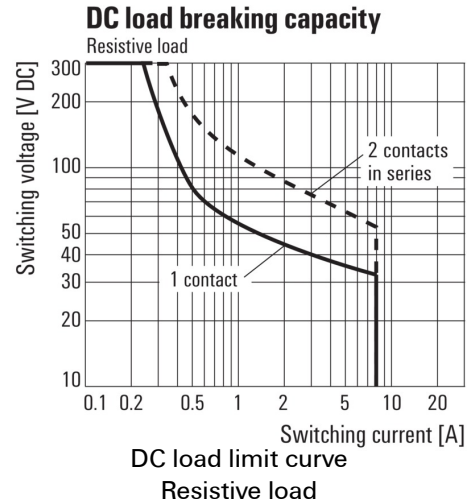
Drawings

Wiring diagram

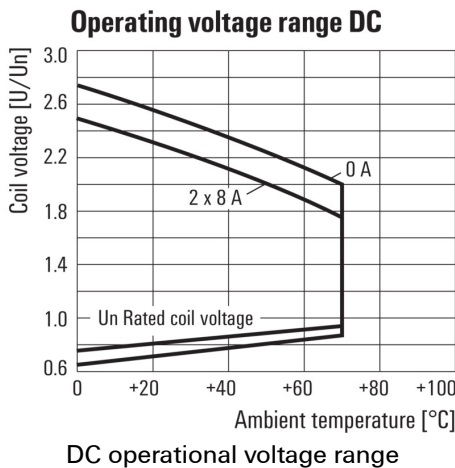


View of Pins from below

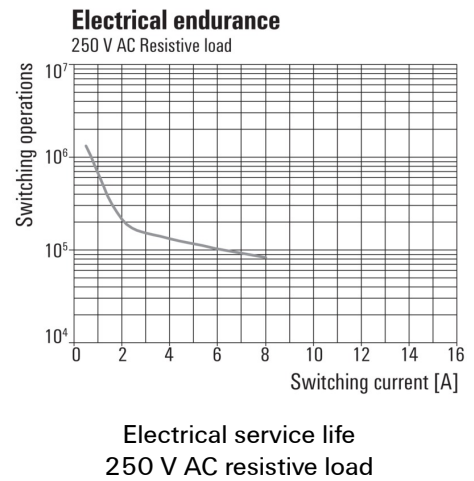
Graph



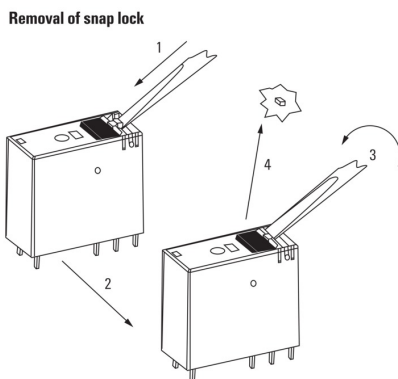
Graph



Graph

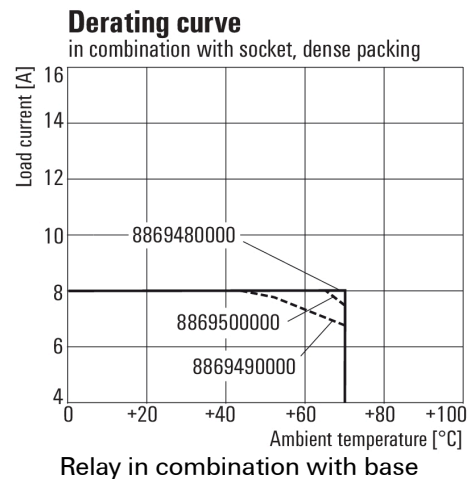


Dimensional drawing



Detailed drawing
 Removal of the test button detent lock

Derating curve



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Accessories

Cross-connection for socket with PUSH IN connection

Cross-connection for the sockets in the RIDERSERIES RCI.



General ordering data

| | | |
|------------|----------------------------|----------------------------------|
| Type | SRC-I QV P | Version |
| Order No. | 8870840000 | RIDERSERIES RCI, Cross-connector |
| GTIN (EAN) | 4032248631681 | |
| Qty. | 10 pc(s). | |

Protective varistor



Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.

- With protective varistor
- For UC supply voltage

General ordering data

| | | |
|------------|----------------------------|--|
| Type | RIM-I 4 110VUC VAR | Version |
| Order No. | 8869730000 | RIDERSERIES, Protective varistor, Rated control voltage: 110 V UC, |
| GTIN (EAN) | 4032248606351 | Plug-in connection |
| Qty. | 10 pc(s). | |

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Accessories

Cross-connection for socket with screw connection

Cross-connection for the sockets in the D-SERIES DRI.



General ordering data

| | | |
|------------|----------------------------|----------------------------------|
| Type | SRC-I QV S | Version |
| Order No. | 1132070000 | RIDERSERIES RCI, Cross-connector |
| GTIN (EAN) | 4032248912087 | |
| Qty. | 10 pc(s). | |

ESG 6/17



Guaranteed long service life: ESG

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

Your benefits with MultiMark

- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

General ordering data

| | | |
|------------|----------------------------|---------------------------------------|
| Type | ESG 6/17 MM WS | Version |
| Order No. | 2005100000 | ESG, Device markers, 6 x 17 mm, white |
| GTIN (EAN) | 4050118390728 | |
| Qty. | 3,000 pc(s). | |

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Accessories

Sockets



Relay sockets for the RIDERSERIES RCI relays

- 1 and 2 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SRC-I 2CO N | Version |
| Order No. | 8869480000 | RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4032248614431 | Continuous current: 8 A, Screw connection |
| Qty. | 10 pc(s). | |
| Type | SRC-I 2CO P | Version |
| Order No. | 8869500000 | RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4032248614455 | Continuous current: 8 A, PUSH IN |
| Qty. | 10 pc(s). | |
| Type | SRC-I 2CO | Version |
| Order No. | 8869490000 | RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4032248614448 | Continuous current: 8 A, Screw connection |
| Qty. | 10 pc(s). | |

Retaining clips



Retaining clip for RIDERSERIES RCI relays

- Metal and plastic retaining clip

General ordering data

| | | |
|------------|----------------------------|---------------------------------|
| Type | SRC-I CLIP HP | Version |
| Order No. | 8869510000 | RIDERSERIES RCI, Retaining clip |
| GTIN (EAN) | 4032248614462 | |
| Qty. | 10 pc(s). | |
| Type | SRC-I CLIP HM RCI | Version |
| Order No. | 1132090000 | RIDERSERIES RCI, Retaining clip |
| GTIN (EAN) | 4032248912209 | |
| Qty. | 20 pc(s). | |

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Accessories

Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc. Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | ESG 6/15 SRC-I MC NE WS | Version |
| Order No. | 2558350000 | ESG, Device markers x 15 mm, PA 66, Colour: white |
| GTIN (EAN) | 4050118569063 | |
| Qty. | 200 pc(s). | |

ESG 6/15



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Your benefits with MultiMark

- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

General ordering data

| | | |
|------------|----------------------------|---------------------------------------|
| Type | ESG 6/15 MM WS | Version |
| Order No. | 2619940000 | ESG, Device markers, 6 x 15 mm, white |
| GTIN (EAN) | 4050118626148 | |
| Qty. | 3,000 pc(s). | |

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Accessories

LED / Free-wheel diode



Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.

- Optional with green or red LED
- With free-wheeling diode
- For DC supply voltage

General ordering data

| Type | RIM-I 2 110/230VDC GN | Version |
|------------|----------------------------|---|
| Order No. | 8869700000 | RIDERSERIES, LED module with freewheel diode, Rated control |
| GTIN (EAN) | 4032248614639 | voltage: 110...230 V DC, Plug-in connection |
| Qty. | 10 pc(s). | |

| Type | RIM-I 2 110/230VDC | Version |
|------------|----------------------------|---|
| Order No. | 8869690000 | RIDERSERIES, LED module with freewheel diode, Rated control |
| GTIN (EAN) | 4032248614622 | voltage: 110...230 V DC, Plug-in connection |
| Qty. | 10 pc(s). | |

Protection module



Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.

- Optional with free-wheeling diode, protective varistor, load resistor or RC filter

General ordering data

| Type | RIM-I 1 6/230V | Version |
|------------|----------------------------|--|
| Order No. | 8869580000 | RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V |
| GTIN (EAN) | 4032248614523 | DC, Plug-in connection |
| Qty. | 10 pc(s). | |

| Type | RIM-I 1 R 110/230V | Version |
|------------|----------------------------|---|
| Order No. | 8870830000 | RIDERSERIES, Load, Rated control voltage: 110...230 V UC, Plug-in |
| GTIN (EAN) | 4032248631674 | connection |
| Qty. | 10 pc(s). | |

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Accessories

LED



Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.

- Optional with green or red LED
- For UC supply voltage

General ordering data

| | | |
|------------|----------------------------|---|
| Type | RIM-I 3 110/230VUC GN | Version |
| Order No. | 8869660000 | RIDERSERIES, LED module, Rated control voltage: 110...230 V UC, |
| GTIN (EAN) | 4032248614721 | Plug-in connection |
| Qty. | 10 pc(s). | |
| Type | RIM-I 3 110/230VUC | Version |
| Order No. | 8869650000 | RIDERSERIES, LED module, Rated control voltage: 110...230 V UC, |
| GTIN (EAN) | 4032248614592 | Plug-in connection |
| Qty. | 10 pc(s). | |

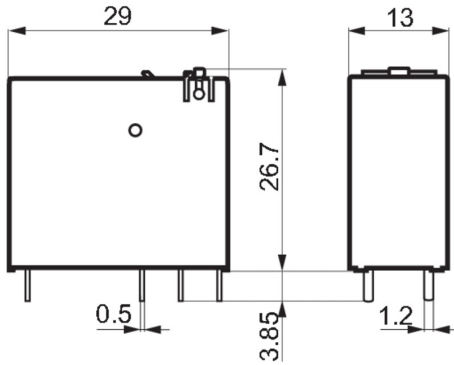
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Drawings

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