

**RCI484T30****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
- AC coils
- With integrated status LED and test button

**General ordering data**

|            |  |
|------------|--|
| Version    | RIDERSERIES RCI, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 230 V AC, Continuous current: 8 A, Plug-in connection, Test button available: Yes |
| Order No.  | <a href="#">8870370000</a>   |
| Type       | RCI484T30  |
| GTIN (EAN) | 4032248613755  |
| Qty.       | 10 pc(s).  |

Creation date December 27, 2021 1:02:03 PM CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

## RCI484T30

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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 | 14.02 g |                 |            |

## Temperatures

|                     |  |                       |                |
|---------------------|--|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C                                 | Operating temperature | -40 °C...70 °C |
| Humidity            | 40 °C / 93 % rel. humidity,<br>no condensation |                       |                |

## Probability of failure

|     |                             |
|-----|-----------------------------|
| B10 | 65.000 AC15:<br>250Vac/2.5A |
|-----|-----------------------------|

## Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E224238 |
|-------------------------|---------|

## Control side

|                       |                |                                |                     |
|-----------------------|----------------|--------------------------------|---------------------|
| Rated control voltage | 230 V AC       | Rated current AC               | 3.5 mA              |
| Power rating          | 813 mVA        | Pull-in/drop-out voltage, typ. | 172.5 V / 34.5 V AC |
| Coil resistance       | 32500 Ω ± 15 % | Status indicator               | red LED             |

## Load side

|   |   |   |   |
|---|---|---|---|
| Rated switching voltage                 | 250 V AC  | Continuous current                      | 8 A                                     |
| Max. switching frequency at rated load  | 0.1 Hz  | Min. switching power                    | 1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 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 <sup>6</sup> switching cycles, DC coil 10 x 10 <sup>6</sup> switching cycles |   |   |

## General data

|                       |             |                                      |     |
|-----------------------|-------------|--------------------------------------|-----|
| Test button available | Yes         | 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 <sub>eff</sub> / 1 min |
| Dielectric strength of neighbouring contacts                  | 2.5 kV <sub>eff</sub> / 1 Min. | Dielectric strength of open contact              | 1 kV <sub>eff</sub> / 1 min |
| Impulse withstand voltage                                     | 5 kV (1.2/50 μs)               |  |                             |

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## Technical data

## Further details of approvals / standards

|                       |                    |                         |                |
|-----------------------|--------------------|-------------------------|----------------|
| Standards             | IEC 61810-1, UL508 | Certificate No. (CSA)   | 249409-2426937 |
| Certificate No. (VDE) | 40018043           | Certificate No. (cURus) | E224238        |

## 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    | 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 | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |
| Brochures                                   |   |

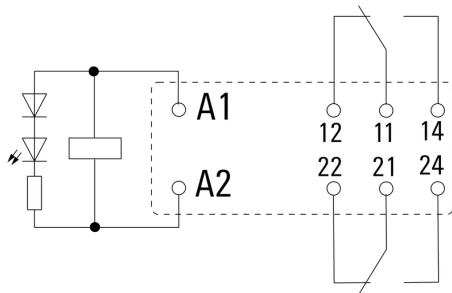
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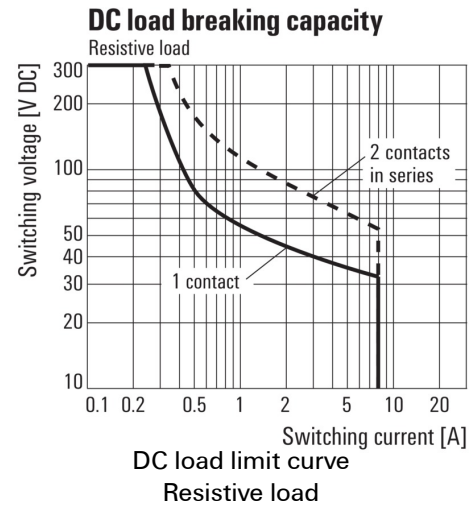
**Drawings**

**Wiring diagram**

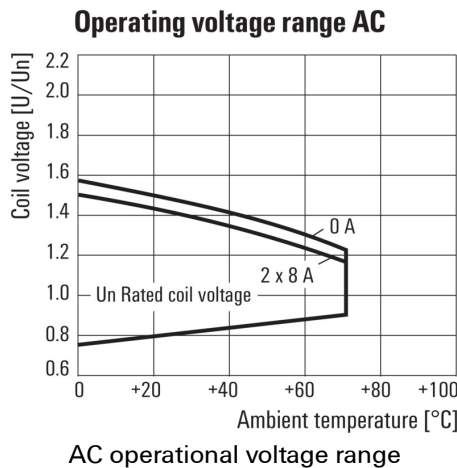


View of Pins from below

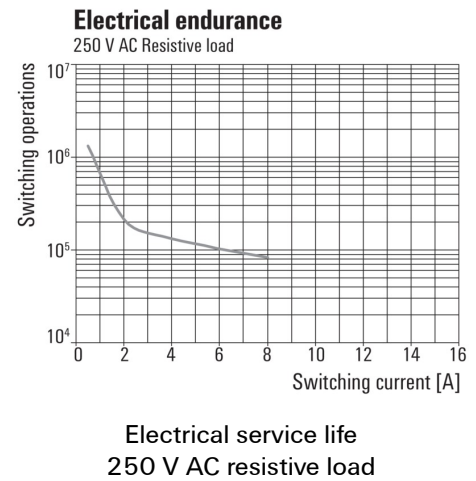
**Graph**



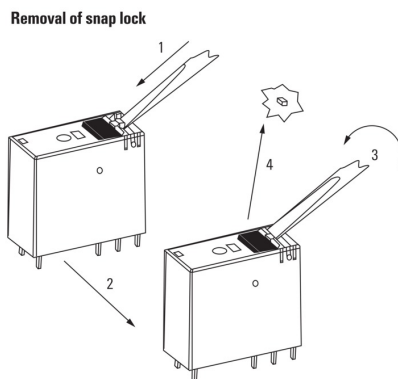
**Graph**



**Graph**

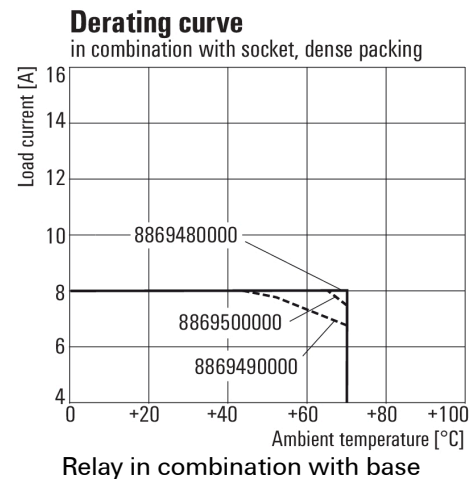


**Dimensional drawing**



Detailed drawing  
 Removal of the test button detent lock

**Derating curve**



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**Mating connector (fully pluggable)****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                  | Version   |
| Order No.  | <a href="#">8869490000</a> | RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4032248614448              | Continuous current: 8 A, Screw connection                         |
| Qty.       | 10 pc(s).                  |   |
| Type       | SRC-I 2CO N                | Version   |
| Order No.  | <a href="#">8869480000</a> | 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.  | <a href="#">8869500000</a> | RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4032248614455              | Continuous current: 8 A, PUSH IN                                  |
| Qty.       | 10 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                  | Version   |
| Order No.  | <a href="#">8869490000</a> | RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4032248614448              | Continuous current: 8 A, Screw connection                         |
| Qty.       | 10 pc(s).                  |   |
| Type       | SRC-I 2CO N                | Version   |
| Order No.  | <a href="#">8869480000</a> | 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.  | <a href="#">8869500000</a> | RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4032248614455              | Continuous current: 8 A, PUSH IN                                  |
| Qty.       | 10 pc(s).                  |   |

## 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.  | <a href="#">2558350000</a> | ESG, Device markers x 15 mm, PA 66, Colour: white |
| GTIN (EAN) | 4050118569063              |   |
| Qty.       | 200 pc(s).                 |   |

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**Accessories**

**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.

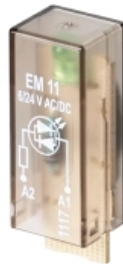
**Your benefits with MultiMark**

- "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.  | <a href="#">2005100000</a> | ESG, Device markers, 6 x 17 mm, white |
| GTIN (EAN) | 4050118390728              |                                       |
| Qty.       | 3,000 pc(s).               |                                       |

**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.  | <a href="#">8869660000</a> | 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.  | <a href="#">8869650000</a> | RIDERSERIES, LED module, Rated control voltage: 110...230 V UC, |
| GTIN (EAN) | 4032248614592              | Plug-in connection  |
| Qty.       | 10 pc(s).                  |   |

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**Accessories**

**Protective varistor**



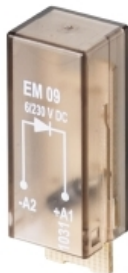
Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.

- With protective varistor
- For UC supply voltage

**General ordering data**

|            |                            |  |
|------------|----------------------------|--|
| Type       | RIM-I 4 230VUC VAR         | Version  |
| Order No.  | <a href="#">8869750000</a> | RIDERSERIES, Protective varistor, Rated control voltage: 230 V UC, |
| GTIN (EAN) | 4032248606368              | 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.  | <a href="#">8869580000</a> | 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.  | <a href="#">8870830000</a> | RIDERSERIES, Load, Rated control voltage: 110...230 V UC, Plug-in      |
| GTIN (EAN) | 4032248631674              | connection   |
| Qty.       | 10 pc(s).                  |  |
| Type       | RIM-I 3 110/230VAC RC      | Version  |
| Order No.  | <a href="#">8869790000</a> | RIDERSERIES, RC filter, Rated control voltage: 110...230 V UC, Plug-in |
| GTIN (EAN) | 4032248606337              | connection   |
| Qty.       | 10 pc(s).                  |  |
| Type       | RIM-I 3 230VAC RC          | Version  |
| Order No.  | <a href="#">1172210000</a> | RIDERSERIES, RC filter, Rated control voltage: 230 V UC, Plug-in       |
| GTIN (EAN) | 4032248964420              | 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.  | <a href="#">1132070000</a> | RIDERSERIES RCI, Cross-connector |
| GTIN (EAN) | 4032248912087              |                                  |
| Qty.       | 10 pc(s).                  |                                  |

**ESG 6/15**



**Guaranteed long service life: ESG**

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- "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.  | <a href="#">2619940000</a> | ESG, Device markers, 6 x 15 mm, white |
| GTIN (EAN) | 4050118626148              |                                       |
| Qty.       | 3,000 pc(s).               |                                       |

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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.  | <a href="#">8870840000</a> | RIDERSERIES RCI, Cross-connector |
| GTIN (EAN) | 4032248631681              |                                  |
| Qty.       | 10 pc(s).                  |                                  |

**Retaining clips**

Retaining clip for RIDERSERIES RCI relays  
 • Metal and plastic retaining clip



**General ordering data**

|            |                            |                                 |
|------------|----------------------------|---------------------------------|
| Type       | SRC-I CLIP HM RCI          | Version                         |
| Order No.  | <a href="#">1132090000</a> | RIDERSERIES RCI, Retaining clip |
| GTIN (EAN) | 4032248912209              |                                 |
| Qty.       | 20 pc(s).                  |                                 |
| Type       | SRC-I CLIP HP              | Version                         |
| Order No.  | <a href="#">8869510000</a> | RIDERSERIES RCI, Retaining clip |
| GTIN (EAN) | 4032248614462              |                                 |
| Qty.       | 10 pc(s).                  |                                 |

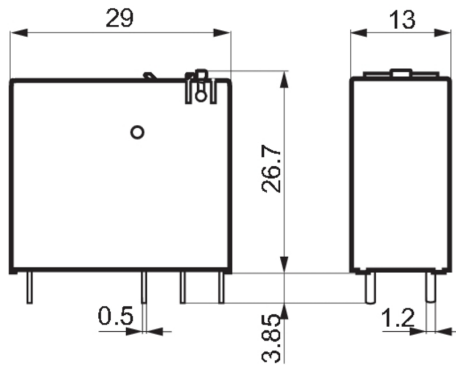
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**Drawings**

**Dimensional drawing**



**Miscellaneous**

|                             |                            | RCI |  |  |  |                            |
|-----------------------------|----------------------------|-----|--|--|--|----------------------------|
| <b>Type</b>                 | RIDER Control Industrial   |     |  |  |  |                            |
| <b>Type of construction</b> | 3 16 A pinning 5 mm        |     |  |  |  |                            |
|                             | 4 8 A, pinning 5mm         |     |  |  |  |                            |
| <b>Type of contact</b>      | 1 1 CO without push button |     |  |  |  |                            |
|                             | 2 2 CO without push button |     |  |  |  |                            |
|                             | 7 1 CO with push button    |     |  |  |  |                            |
|                             | 8 2 CO with push button    |     |  |  |  |                            |
| <b>Contact material</b>     | 4 AgNi 90/10               |     |  |  |  |                            |
|                             |                            |     |  |  |  | <b>Coil voltage</b>        |
|                             |                            |     |  |  |  | 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