

**RCI484524****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
- Optional AC or DC coils
- With test button

**General ordering data**

|            |                                                                                                                                                                         |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | RIDERSERIES RCI, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V AC, Continuous current: 8 A, Plug-in connection, Test button available: Yes |
| Order No.  | <a href="#">8870060000</a>                                                                                                                                              |
| Type       | RCI484524                                                                                                                                                               |
| GTIN (EAN) | 4032248613434                                                                                                                                                           |
| Qty.       | 10 pc(s).                                                                                                                                                               |

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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 | 15.8 g  |                 |            |

### Temperatures

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

### Rated data UL

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

### Control side

|                       |                       |                                |                 |
|-----------------------|-----------------------|--------------------------------|-----------------|
| Rated control voltage | 24 V AC               | Rated current AC               | 31.7 mA         |
| Power rating          | 760 mVA               | Pull-in/drop-out voltage, typ. | 18 V / 3.6 V AC |
| Coil resistance       | 350 $\Omega \pm 10\%$ | Coil tolerance                 | 10 %            |

### Load side

|                                         |                                            |                                         |                                                                                           |
|-----------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------|
| Rated switching voltage                 | 240 V AC                                   | Continuous current                      | 8 A                                                                                       |
| Max. switching frequency at rated load  | 0.1 Hz                                     | 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                         | $\leq 10$ ms                               | Switch-off delay                        | $\leq 6$ ms                                                                               |
| Contact type                            | 2 CO contact (AgNi)                        | Mechanical service life                 | AC coil $5 \times 10^6$ switching<br>cycles, DC coil $10 \times 10^6$<br>switching cycles |
| Min. switching power                    | 1 mA @ 24 V, 10 mA @ 12<br>V, 100 mA @ 5 V |                                         |                                                                                           |

### General data

|                                      |     |                        |                                                                           |
|--------------------------------------|-----|------------------------|---------------------------------------------------------------------------|
| Test button available                | Yes | Version of test button | lockable, just when<br>removing the detend lock,<br>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<br>control side - load side | $\geq 8$ mm                    | Dielectric strength for control side - load<br>side | 5 kV <sub>eff</sub> / 1 min |
| Dielectric strength of neighbouring<br>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 $\mu$ s)          |                                                     |                             |

### Further details of approvals / standards

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

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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    | 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 |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | 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>                                                                                                                   |
| Product Change Notification                 | <a href="#">20220511 Product consolidation RIDERSERIES RCI relays</a><br><a href="#">20220511 Produktkonsolidierung RIDERSERIES RCI Relais</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                       |
| Brochures                                   |                                                                                                                                                |

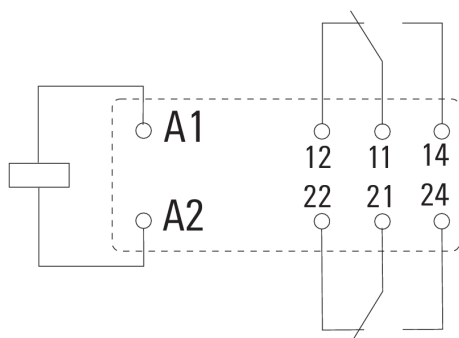
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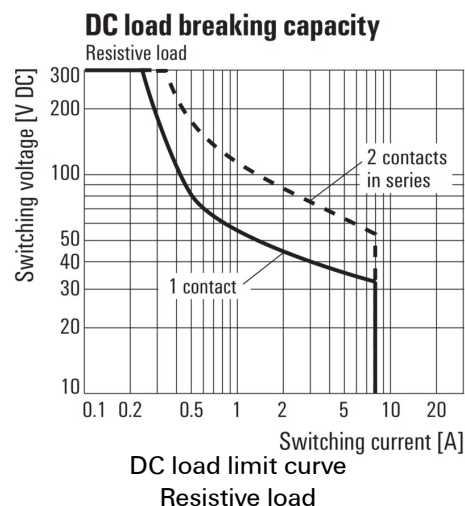
## Drawings

### Wiring diagram

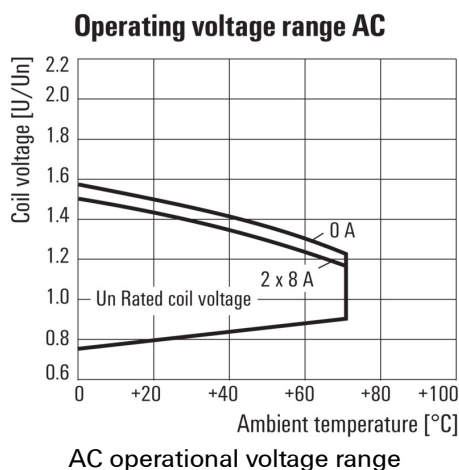


View of Pins from below

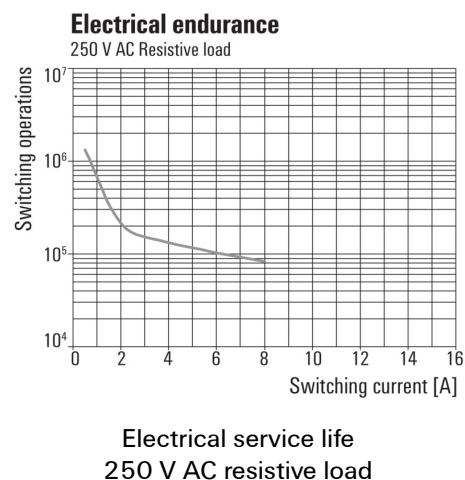
### Graph



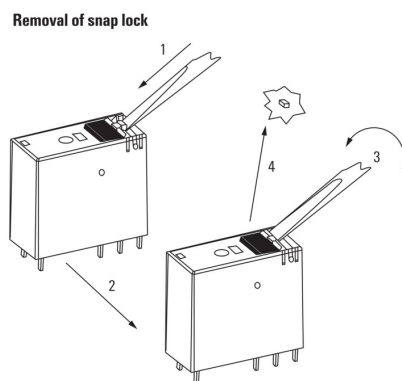
### Graph



### Graph

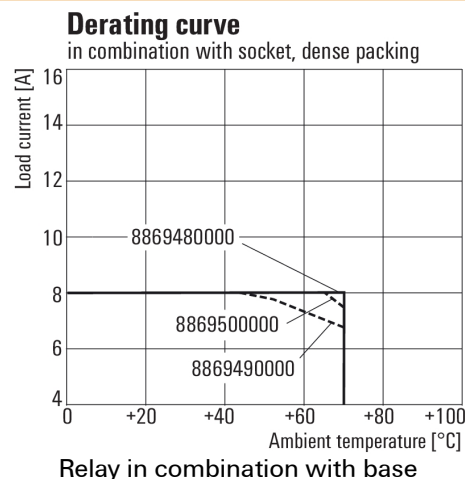


### Dimensional drawing



Derating curve  
Relay in combination with base

### Derating curve



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## Drawings

### Dimensional drawing



### Miscellaneous

|                                 |  | RCI          |                        |  |  |  |
|---------------------------------|--|--------------|------------------------|--|--|--|
| Type                            |  |              |                        |  |  |  |
| <b>RIDER Control Industrial</b> |  |              |                        |  |  |  |
| 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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