

**RIDERSERIES RCI
RCI374T30**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image

Similar to illustration

Standard relay within the RIDERSERIES RCI.

- 1 CO contact
- Relay with AC coil
- Relay with test button and integrated status display

General ordering data

| | |
|------------|--|
| Type | RCI374T30 |
| Order No. | 8870300000 |
| Version | RIDERSERIES RCI, Relay, No. of contacts: 1 CO contact with test button AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 16 A, Plug-in connection |
| GTIN (EAN) | 4032248613687 |
| Qty. | 10 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|------------|---------|-----------------|------------|
| Width | 13 mm | Width (inches) | 0.512 inch |
| Height | 29 mm | Height (inches) | 1.142 inch |
| Depth | 26.7 mm | Depth (inches) | 1.051 inch |
| Net weight | 14.03 g | | |

Temperatures

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

Environmental Product Compliance

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

Rated data UL

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

Input

| | | | |
|-----------------------|----------------|--------------------------------|---------------------|
| Rated control voltage | 230 V AC | Rated current AC | 3.2 mA |
| Power rating | 0.75 VA | Pull-in/drop-out voltage, typ. | 172.5 V / 34.5 V AC |
| Coil resistance | 32500 Ω ± 15 % | Status indicator | red LED |

Output

| | | | |
|-------------------------|---|--|------------|
| Rated switching voltage | 240 V AC | Max. switching voltage, AC | 400 V |
| Continuous current | 16 A | Inrush current | 30 A / 4 s |
| Switch-on delay | ≤ 8 ms | Switch-off delay | ≤ 6 ms |
| Min. switching power | 1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V | Max. switching frequency at rated load | 0.1 Hz |

Contact data

| | | |
|--|-------------------------|---|
| Contact type | Mechanical service life | AC coil 5 x 10 ⁶ switching cycles, DC coil 10 x 10 ⁶ switching cycles |
| 1 CO contact with test button (AgNi 90/10) | | |

General data

| | | | |
|-------------|--|--------------------------------------|-----|
| Test button | yes (lockable, just when removing the detent lock) | Mechanical switch position indicator | Yes |
| Colour | Transparent | UL 94 flammability rating | V-2 |

Insulation coordination

| | | | |
|-------------------------------------|-----------------------------|--|------------------|
| Rated voltage | 250 V | Surge voltage category | III |
| Pollution severity | 2 | Insulating material group | IIIa |
| Dielectric strength, Input/Output | 5 kV _{eff} / 1 min | Creepage and clearance distance input - output | ≥ 8 mm |
| Dielectric strength of open contact | 1 kV _{eff} / 1 min | Impulse withstand voltage | 5 kV (1.2/50 μs) |

Creation date May 28, 2019 2:49:34 PM CEST

Data sheet

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Technical data

Further details of approvals / standards

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

Connection data

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

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC001437 | ETIM 4.0 | EC001437 |
| ETIM 5.0 | EC001437 | ETIM 6.0 | EC001437 |
| UNSPSC | 30-21-19-17 | eClass 5.1 | 27-37-16-01 |
| eClass 6.2 | 27-37-16-01 | eClass 7.1 | 27-37-16-01 |
| eClass 8.1 | 27-37-16-01 | eClass 9.0 | 27-37-16-01 |
| eClass 9.1 | 27-37-16-01 | | |

Approvals

Approvals



ROHS Conform

Downloads

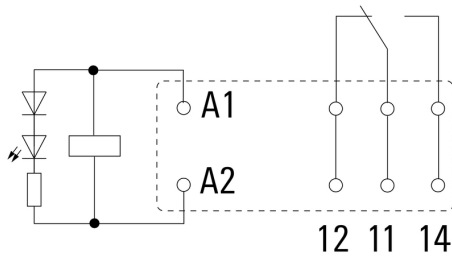
| | |
|---|--|
| Approval/Certificate/Document of Conformity | DE_PA5600_160401_002.pdf |
| Brochure/Catalogue | CAT 4.2 ELECTR 18/19 EN |
| Engineering Data | EPLAN_WSCAD |
| Engineering Data | STEP |

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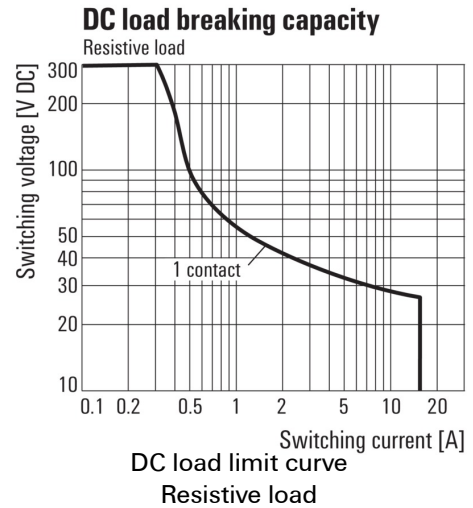
Drawings

Wiring diagram

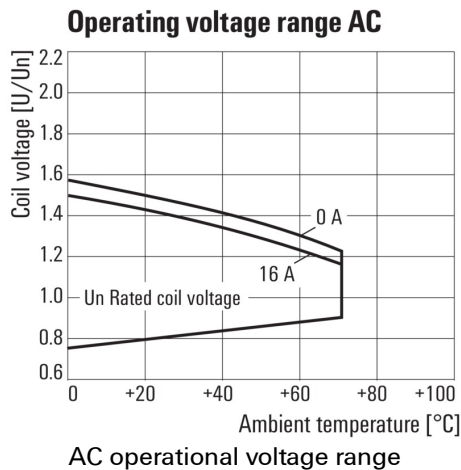


View of Pins from below

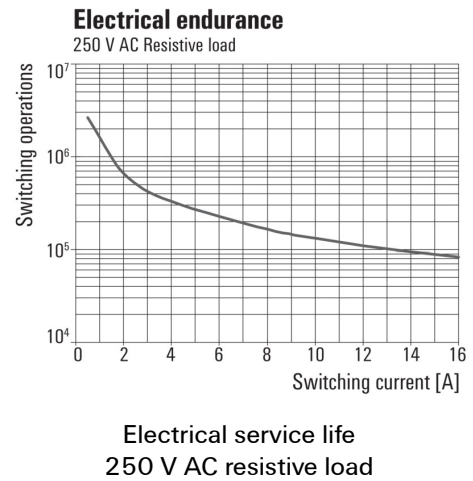
Graph



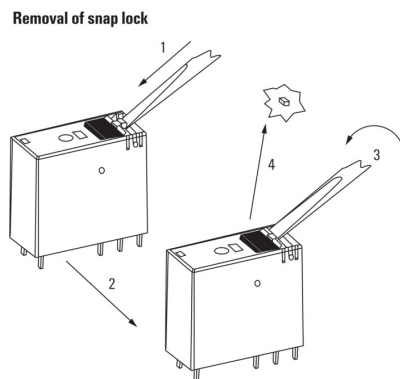
Graph



Graph

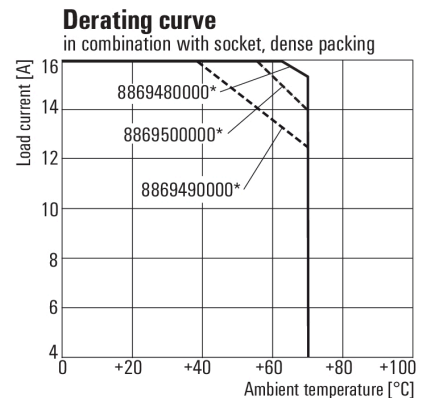


Dimensional drawing



Detailed drawing
Removal of the test button detent lock

Derating curve



* For full continuous current (16 A), socket connections 11-21, 12-22 and 14-24 must be bridged.

Relay in combination with base

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Drawings

Dimensional drawing



Miscellaneous

| | | | | | | | |
|---|--|---|--|--|--|--|--|
| | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 15px;">RCI</td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> </table> | RCI | | | | | |
| RCI | | | | | | | |
| <p>Type RIDER Control Industrial</p> <p>Type of construction 3 16 A pinning 5 mm 4 8 A, pinning 5mm</p> <p>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</p> <p>Contact material 4 AgNi 90/10</p> | | <p>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 BBO 110 V DC + LED + diode</p> <p>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</p> | | | | | |

Type codes