

**RIDERSERIES RCI
RCI314615**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
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www.weidmueller.com

Product image

Similar to illustration

Standard relays in the RIDERSERIES RCI.

- 1 CO contact
- Optionally AC or DC coils

General ordering data

| | |
|------------|---|
| Type | RCI314615 |
| Order No. | 8869850000 |
| Version | RIDERSERIES RCI, Relay, Number of contacts: 1, CO contact AgNi 90/10, Rated control voltage: 115 V AC, Continuous current: 16 A, Plug-in connection |
| GTIN (EAN) | 4032248613205 |
| Qty. | 10 pc(s). |

Creation date July 9, 2020 9:03:53 AM CEST

Catalogue status 09.07.2020 / We reserve the right to make technical changes.

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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 | 25.6 mm | Depth (inches) | 1.008 inch |
| Net weight | 16.4 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 | | |

Rated data UL

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

Input

| | | | |
|-----------------------|---------------|--------------------------------|--------------------|
| Rated control voltage | 115 V AC | Rated current AC | 6.6 mA |
| Power rating | 0.75 VA | Pull-in/drop-out voltage, typ. | 86.3 V / 17.3 V AC |
| Coil resistance | 8100 Ω ± 15 % | | |

Output

| | | | |
|---|---|---|--------------|
| Rated switching voltage | 240 V AC | Max. switching voltage, AC | 400 V |
| Continuous current | 16 A | Inrush current | 30 A / 4 s |
| AC switching capacity (resistive), max. | 4000 VA | DC switching capacity (resistive), max. | 384 W @ 24 V |
| 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 | 1 CO contact (AgNi 90/10) | Mechanical service life | AC coil 5 x 10 ⁶ switching cycles, DC coil 10 x 10 ⁶ switching cycles |
|--------------|---------------------------|-------------------------|---|

General data

| | | | |
|-------------|-------------|--------------------------------------|-----|
| Test button | No | Mechanical switch position indicator | No |
| 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) |

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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Data sheet

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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 |
| eClass 9.0 | 27-37-16-01 | eClass 9.1 | 27-37-16-01 |
| eClass 10.0 | 27-37-16-01 | UNSPSC | 30-21-19-17 |

Approvals

Approvals



ROHS Conform

Downloads

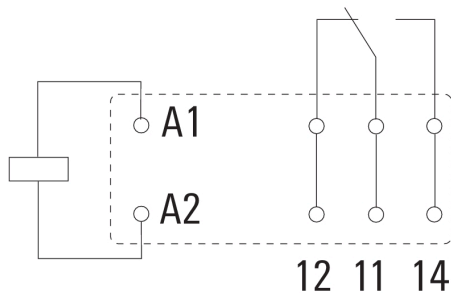
| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Konformitätserklärung / EU Declaration of Conformity |
| Brochure/Catalogue | CAT 4.2 ELECTR 18/19 EN |
| Engineering Data | EPLAN, WSCAD |
| Engineering Data | STEP |

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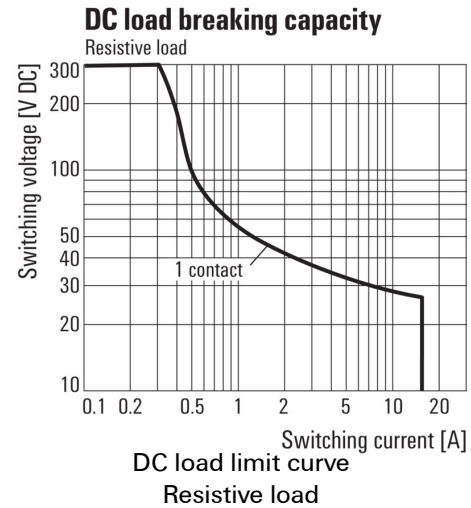
Drawings

Wiring diagram

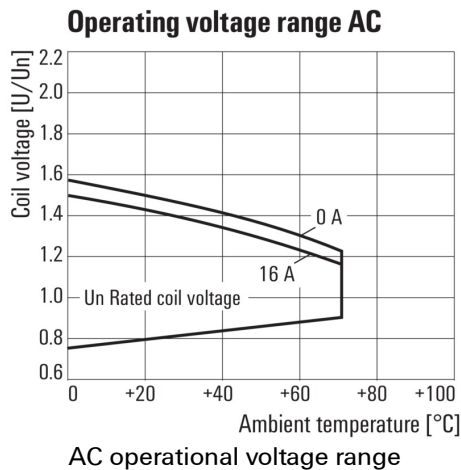


View of Pins from below

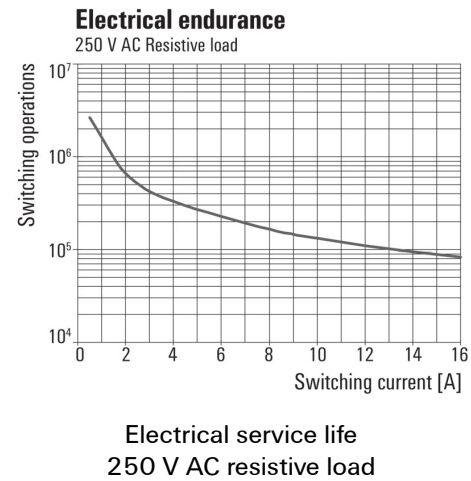
Graph



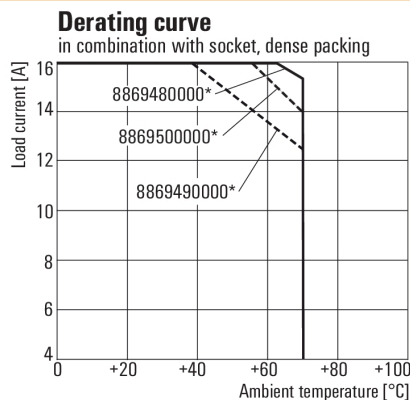
Graph



Graph



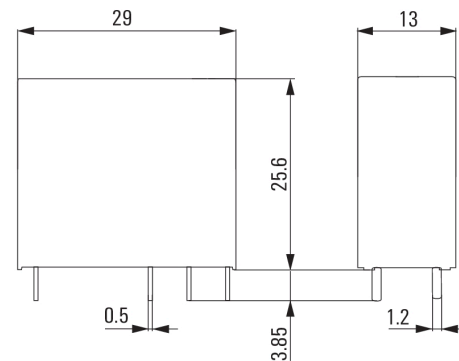
Graph



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

Derating curve
Relay in combination with base

Dimensional drawing

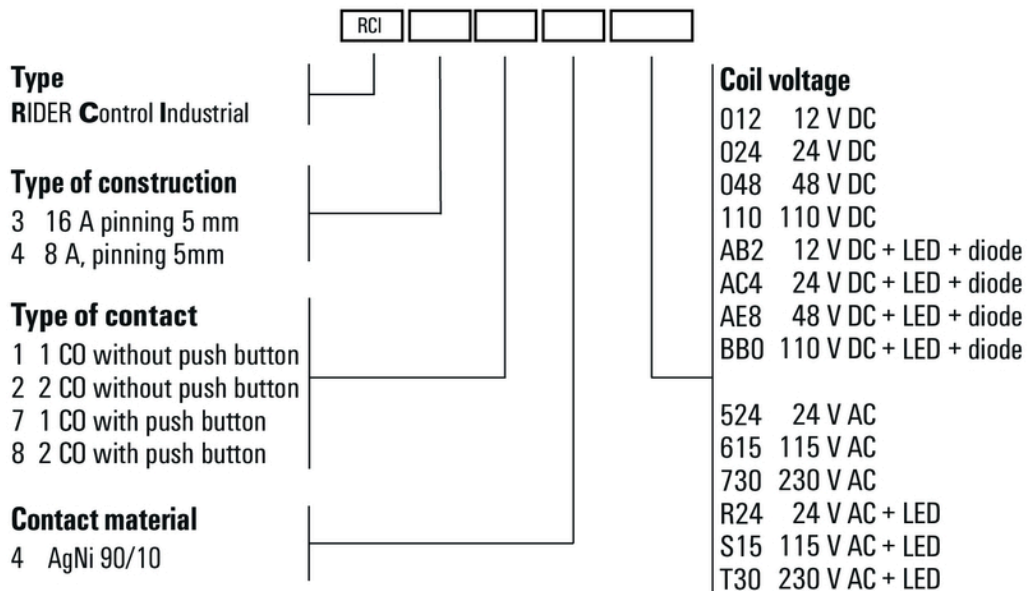


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Drawings

Miscellaneous



Type codes