

**RCI424T30**

**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

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**Product image**



Similar to illustration

Individual relays within the RIDERSERIES RCI

- 2 CO contacts
- AC coils
- With integrated status LED

**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: No |
| Order No.           | <a href="#">8870230000</a>  |
| Type                | RCI424T30   |
| GTIN (EAN)          | 4032248613601   |
| Qty.                | 10 Stück  |
| Delivery status     | <b>This article will no longer be available in the future.</b>  |
| Available until     | 2024-10-31  |
| Alternative product | <a href="#">7760056334</a>  |

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## Technische Daten

### Dimensions and weights

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 25.6 mm  | Depth (inches)  | 1.008 inch |
| Height     | 29 mm    | Height (inches) | 1.142 inch |
| Width      | 13 mm    | Width (inches)  | 0.512 inch |
| Net weight | 13.851 g |                 |            |

### Temperatures

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

### Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E522350 |
|-------------------------|---------|

### 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 % | Coil tolerance                 | 15 %                |
| Status indicator      | red LED        |                                |                     |

### 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                         | ≤ 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<br>cycles, DC coil 10 x 10 <sup>6</sup><br>switching cycles |
| Min. switching power                    | 1 mA @ 24 V, 10 mA @ 12<br>V, 100 mA @ 5 V |   |   |

### General data

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

### Further details of approvals / standards

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

Erstellungs-Datum June 1, 2023 12:18:28 PM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Connection data

|                        |                    |                 |        |
|------------------------|--------------------|-----------------|--------|
| Wire connection method | Plug-in connection | Pitch in mm (P) | 5.00mm |
|------------------------|--------------------|-----------------|--------|

### 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) | E522350    |

### 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="#">WSCAD, EPLAN</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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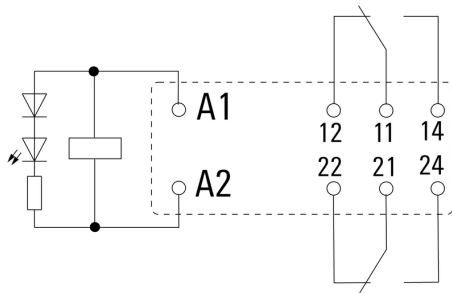
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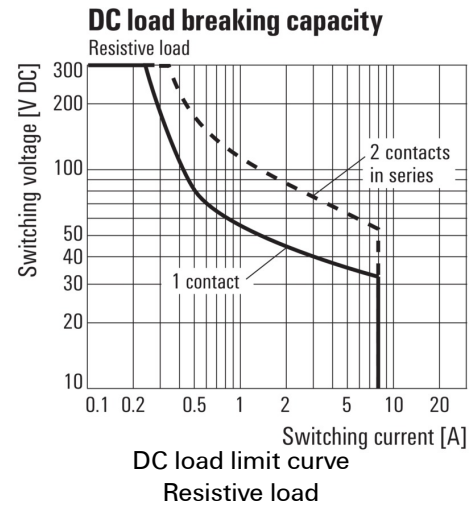
**Zeichnungen**

**Wiring diagram**

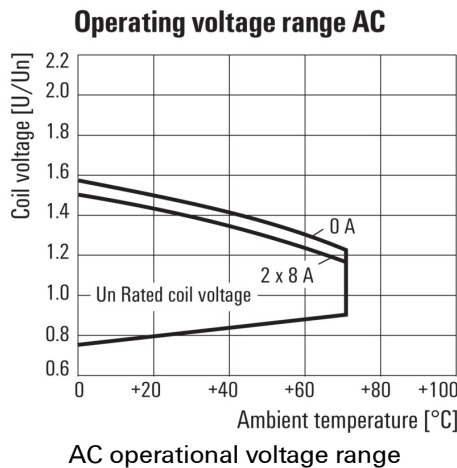


View of Pins from below

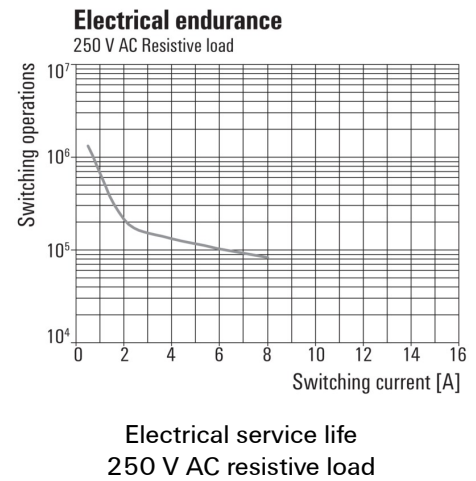
**Graph**



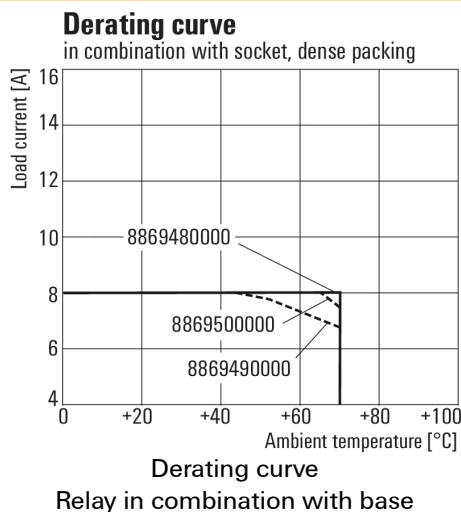
**Graph**



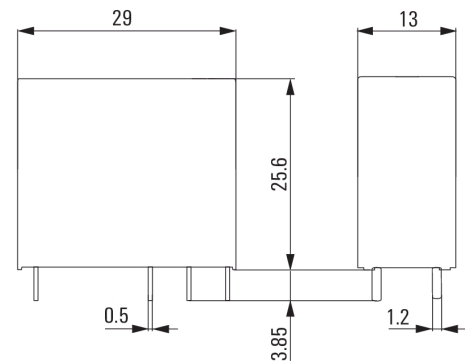
**Graph**



**Graph**



**Dimensional drawing**



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## Zeichnungen

## Miscellaneous

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