

**RIDERSERIES RCL  
RCLKIT 24VDC 2CO LED GN**

**Weidmüller Interface GmbH & Co. KG**  
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**Product image**

Similar to illustration

Modular system comprised of:

- relay socket for rail mounting
- LED indicator unit
- retaining clip
- plug-in relay
- markers

**General ordering data**

|                |                                                                                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type           | RCLKIT 24VDC 2CO LED GN                                                                                                                                |
| Order No.      | <a href="#">7940006157</a>                                                                                                                             |
| Version        | RIDERSERIES RCL, Relay module, Number of contacts: 2, CO contact AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 8 A, Screw connection |
| GTIN (EAN)     | 4032248474776                                                                                                                                          |
| Qty.           | 10 pc(s).                                                                                                                                              |
| Relevant base  | <a href="#">8690830000</a>                                                                                                                             |
| Relevant relay | <a href="#">4058570000</a>                                                                                                                             |

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### Technical data

#### Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Width      | 16 mm  | Width (inches)  | 0.63 inch  |
| Height     | 78 mm  | Height (inches) | 3.071 inch |
| Depth      | 66 mm  | Depth (inches)  | 2.598 inch |
| Net weight | 66.3 g |                 |            |

#### Temperatures

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

#### Environmental Product Compliance

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

#### Input

|                       |                     |                                |                   |
|-----------------------|---------------------|--------------------------------|-------------------|
| Rated control voltage | 24 V DC             | Rated current DC               | 16.7 mA           |
| Power rating          | 500 mW              | Pull-in/drop-out voltage, typ. | 16.8 V / 2.4 V DC |
| Coil resistance       | 1440 Ω ± 10 %       | Status indicator               | Green LED         |
| Protective circuit    | Free-wheeling diode |                                |                   |

#### Output

|                                         |                                         |                                         |              |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|--------------|
| Rated switching voltage                 | 250 V AC                                | Max. switching voltage, AC              | 250 V        |
| Continuous current                      | 8 A                                     | Inrush current                          | 15 A / 4 s   |
| AC switching capacity (resistive), max. | 4000 VA                                 | DC switching capacity (resistive), max. | 384 W @ 24 V |
| Switch-on delay                         | ≤ 10 ms                                 | Switch-off delay                        | ≤ 6 ms       |
| Min. switching power                    | 1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V |                                         |              |

#### Contact data

|              |                           |                         |                                               |
|--------------|---------------------------|-------------------------|-----------------------------------------------|
| Contact type | 2 CO contact (AgNi 90/10) | Mechanical service life | DC coil 30 x 10 <sup>6</sup> switching cycles |
|--------------|---------------------------|-------------------------|-----------------------------------------------|

#### General data

|                                      |       |             |       |
|--------------------------------------|-------|-------------|-------|
| Rail                                 | TS 35 | Test button | No    |
| Mechanical switch position indicator | No    | Colour      | black |
| UL 94 flammability rating            | V-2   |             |       |

#### Insulation coordination

|                                                |         |                                   |                             |
|------------------------------------------------|---------|-----------------------------------|-----------------------------|
| Rated voltage                                  | 250 V   | Surge voltage category            | III                         |
| Pollution severity                             | 2       | Insulating material group         | C                           |
| Protection degree                              | IP20    | Dielectric strength, Input/Output | 5 kV <sub>eff</sub> / 1 min |
| Creepage and clearance distance input – output | ≥ 10 mm |                                   |                             |

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## Technical data

### Further details of approvals / standards

|                               |              |                              |                |
|-------------------------------|--------------|------------------------------|----------------|
| Standards                     | DIN EN 50178 | Certificate no. (CSA) relay  | 249409-2426937 |
| Certificate no. (cURus) relay | E224238      | Certificate no. (cURus) base | E223759        |

### Connection data

|                        |                     |                                  |                     |
|------------------------|---------------------|----------------------------------|---------------------|
| Wire connection method | Screw connection    | Clamping range, rated connection | 2.5 mm <sup>2</sup> |
| Clamping range, min.   | 0.5 mm <sup>2</sup> | Clamping range, max.             | 2.5 mm <sup>2</sup> |
| Blade size             | size PH0            |                                  |                     |

### 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

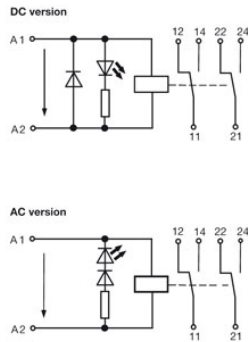
|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                            |

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# Drawings

## Wiring diagram



## Graph

