

**RCLKIT 24VDC 2CO LED GN****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****General ordering data**

|                |                                                                                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| Order No.      | <a href="#">7940006157</a>                                                                                                                             |
| Type           | RCLKIT 24VDC 2CO LED GN                                                                                                                                |
| GTIN (EAN)     | 4032248474776                                                                                                                                          |
| Qty.           | 10 pc(s).                                                                                                                                              |
| Relevant base  | <a href="#">8690830000</a>                                                                                                                             |
| Relevant relay | <a href="#">4058570000</a>                                                                                                                             |

Creation date March 29, 2021 10:30:13 PM CEST

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## Technical data

## Dimensions and weights

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

## Temperatures

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

## Environmental Product Compliance

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

## Control side

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

## Load side

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

## Contact data

|              |                           |                         |                                           |
|--------------|---------------------------|-------------------------|-------------------------------------------|
| Contact type | 2 CO contact (AgNi 90/10) | Mechanical service life | DC coil $30 \times 10^6$ 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

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

## 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        |

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**Technical data**
**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 | ECLASS 11.0 | 27-37-16-01 |

**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>                                            |

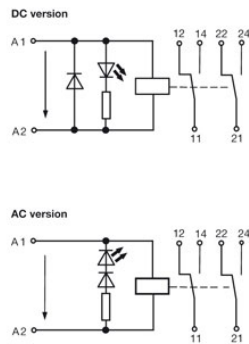
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## Drawings

### Wiring diagram



### Graph

