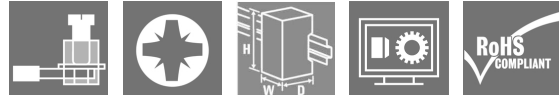


## RIDERSERIES RCI RCIKIT 115VAC 1CO LD

**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       | RCIKIT 115VAC 1CO LD  |
| Order No.  | <a href="#">8897090000</a>  |
| Version    | RIDERSERIES RCI, Relay module, Number of contacts: 1 CO contact AgNi 90/10, Rated control voltage: 115 V AC, Continuous current: 16 A <sup>(1)</sup> , Screw connection |
| GTIN (EAN) | 4032248646869   |
| Qty.       | 10 pc(s).   |

Creation date May 1, 2020 5:32:53 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 15.8 mm | Width (inches)  | 0.622 inch |
| Height     | 77 mm   | Height (inches) | 3.031 inch |
| Depth      | 70.2 mm | Depth (inches)  | 2.764 inch |
| Net weight | 61.1 g  |                 |            |

**Temperatures**

|                             |  |                             |                |
|-----------------------------|--|-----------------------------|----------------|
| Humidity                    | 40 °C / 93 % rel. humidity,<br>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 | 115 V AC      | Rated current AC               | 7 mA               |
| Power rating          | 0.8 VA        | Pull-in/drop-out voltage, typ. | 86.3 V / 17.3 V AC |
| Coil resistance       | 8100 Ω ± 15 % | Status indicator               | red LED            |

**Output**

|   |  |   |              |
|---|--|---|--------------|
| Rated switching voltage                 | 250 V AC                                   | Max. switching voltage, AC              | 400 V        |
| Continuous current                      | 16 A <sup>(1)</sup>                        | 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,<br>100 mA @ 5 V | Max. switching frequency at rated load  | 0.1 Hz       |

**Contact data**

|              |                              |                         |   |
|--------------|------------------------------|-------------------------|---|
| Contact type | 1 CO contact (AgNi<br>90/10) | 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 |
|--------------|------------------------------|-------------------------|---|

**General data**

|                                      |       |             |       |
|--------------------------------------|-------|-------------|-------|
| Rail                                 | TS 35 | Test button | No    |
| Mechanical switch position indicator | No    | Colour      | black |

**Insulation coordination**

|   |                  |                                     |                             |
|---|------------------|-------------------------------------|-----------------------------|
| Rated voltage                                     | 250 V            | Surge voltage category              | III                         |
| Pollution severity                                | 2                | Insulating material group           | IIIa                        |
| Protection degree                                 | IP20             | Dielectric strength, Input/Output   | 5 kV <sub>eff</sub> / 1 min |
| Creepage and clearance distance input –<br>output | ≥ 8 mm           | Dielectric strength of open contact | 1 kV <sub>eff</sub> / 1 min |
| Impulse withstand voltage                         | 5 kV (1.2/50 μs) |                                     |                             |

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**Technical data****Further details of approvals / standards**

|                               |                |                              |                |
|-------------------------------|----------------|------------------------------|----------------|
| Standards                     | DIN EN 50178   | Certificate no. (CSA) relay  | 249409-2426937 |
| Certificate no. (CSA) base    | 249409-2295474 | Certificate No. (DNVGL)      | TAA000011A     |
| Certificate no. (cURus) relay | E224238        | Certificate no. (cURus) base | E223759        |

**Connection data**

|   |                     |   |                   |
|---|---------------------|---|-------------------|
| Wire connection method  | Screw connection    | Stripping length, rated connection  | 8 mm              |
| Tightening torque, min.   | 0.5 Nm              | Tightening torque, max.   | 0.7 Nm            |
| Clamping range, rated connection  | 2.5 mm <sup>2</sup> | Clamping range, min.  | 1 mm <sup>2</sup> |
| Clamping range, max.  | 2.5 mm <sup>2</sup> | Wire cross-section, solid, min.   | 1 mm <sup>2</sup> |
| Wire cross-section, solid, max.   | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded, min.                                    | 1 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> | Conductor cross-section, flexible, AEH (DIN 46228-1), min.                              | 1 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max.                              | 2.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, two clampable wires, min.               | 1 mm <sup>2</sup> |
| Wire cross-section, finely stranded, two clampable wires, max.                          | 1.5 mm <sup>2</sup> | Blade size  | size PZ1          |

**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 |

**Product information**

Product information 1) For full continuous current (16 A), relay connections 11–21, 12–22 and 14–24 must be bridged. IP20 without connected conductor at complete opened clamping yoke connection.

**Approvals**

Approvals



ROHS Conform

**Downloads**

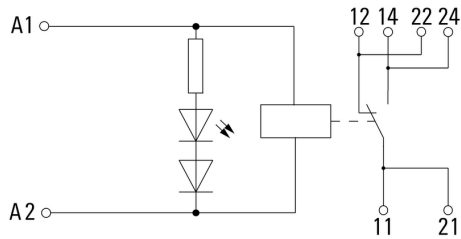
|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Brochure/Catalogue                          | <a href="#">CAT 4.2 ELECTR 18/19 EN</a>                                 |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                |
| Engineering Data                            | <a href="#">STEP</a>  |

**RIDERSERIES RCI  
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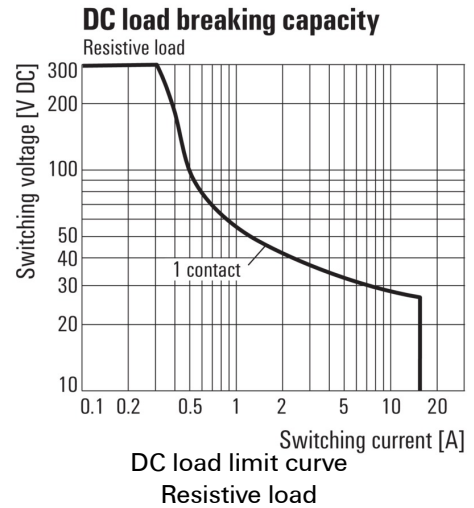
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**Drawings**

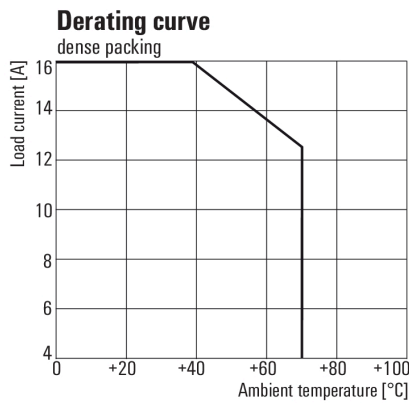
**Wiring diagram**



**Graph**



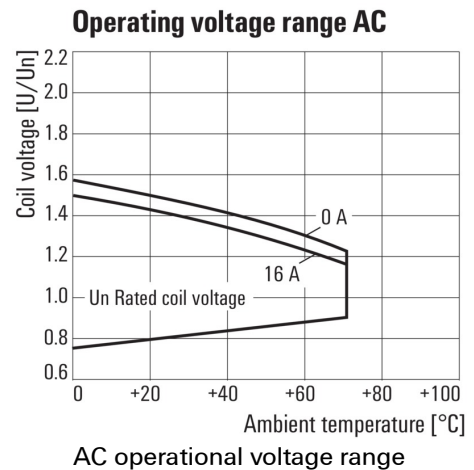
**Graph**



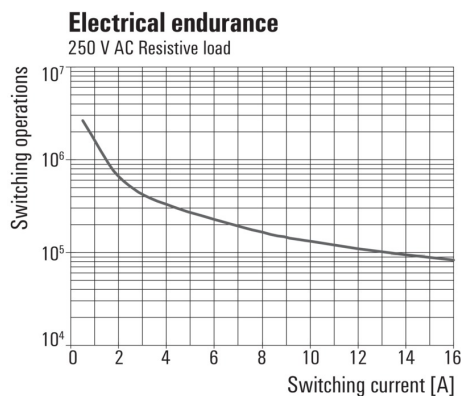
For full continuous current (16 A), socket connections 11-21, 12-22 and 14-24 must be bridged.

Derating curve  
Relay in combination with base

**Graph**

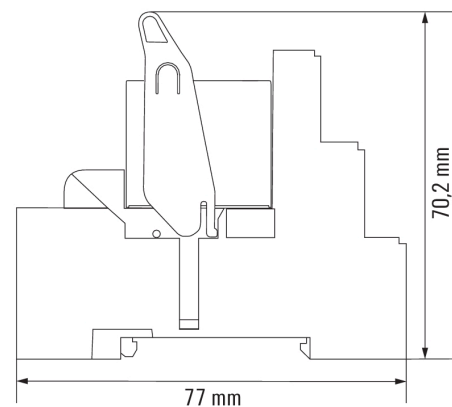


**Graph**



Electrical service life 250 V AC resistive load  
250 V AC resistive load

**Dimensioned drawing**



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**Accessories**
**Label (cannot be printed using PrintJet)**


Weidmüller RIDERSERIES relays guarantee a noise-free, decoupled signal transmission in industrial automation concepts.

The are compact, quickly installed and can be fitted in the tightest of spaces.

- 1 or 2 CO contacts
- optionally: AC or DC coils
- Relay optionally with integrated status display and/or free-wheel diode and optionally combined with a test button
- pluggable LED modules with protective functions
- Metal and plastic retaining clips
- Base with screw / PUSH IN connection

**General ordering data**

|            |                            |                        |
|------------|----------------------------|------------------------|
| Type       | SRC-I MARK                 | Version                |
| Order No.  | <a href="#">8869530000</a> | RIDERSERIES RCI, Label |
| GTIN (EAN) | 4032248614479              |                        |
| Qty.       | 10 pc(s).                  |                        |

**LED**


Pluggable protective modules for the RIDERSERIES RCI / RCM relay base, with optional protective functions.

- With either green or red LED
- For UC supply voltage

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | RIM-I 3 110/230VUC GN      | Version   |
| Order No.  | <a href="#">8869660000</a> | RIDERSERIES, LED module, Rated control voltage: 110...230 V UC, |
| GTIN (EAN) | 4032248614721              | Plug-in connection  |
| Qty.       | 10 pc(s).                  |   |
| Type       | RIM-I 3 110/230VUC         | Version   |
| Order No.  | <a href="#">8869650000</a> | RIDERSERIES, LED module, Rated control voltage: 110...230 V UC, |
| GTIN (EAN) | 4032248614592              | Plug-in connection  |
| Qty.       | 10 pc(s).                  |   |

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**Accessories**
**Crosshead screwdriver, Pozidrive**


VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

**General ordering data**

|            |                            |                                    |
|------------|----------------------------|------------------------------------|
| Type       | SDIK PZ1 SL                | Version                            |
| Order No.  | <a href="#">1274730000</a> | Mounting tool, Blade length: 80 mm |
| GTIN (EAN) | 4050118073225              |                                    |
| Qty.       | 1 pc(s).                   |                                    |

**Crosshead screwdriver Pozidriv**


Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | SDK PZ1                    | Version   |
| Order No.  | <a href="#">9008530000</a> | Screwdriver, Blade width (B): 4.5 mm, Blade length: 80 mm |
| GTIN (EAN) | 4032248056521              |   |
| Qty.       | 1 pc(s).                   |   |

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**Accessories****LED / Protective varistor**

Pluggable protective modules for the RIDERSERIES RCI / RCM relay base, with optional protective functions.

- With protective varistor
- For UC supply voltage

**General ordering data**

|            |                            |  |
|------------|----------------------------|--|
| Type       | RIM-I 4 110VUC VAR         | Version  |
| Order No.  | <a href="#">8869730000</a> | RIDERSERIES, Protective varistor, Rated control voltage: 110 V UC, |
| GTIN (EAN) | 4032248606351              | Plug-in connection   |
| Qty.       | 10 pc(s).                  |  |

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**Accessories**

**Blank**



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from the following manufacturers:

- Siemens
- Télémecanique
- ABB
- Beckhoff
- Lumberg
- Tags for all-purpose usage; self-adhesive or clip-on tags, depending on the type

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

Please note that these markers are not intended for printing with the SpeedMarking laser.

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | ESG 6/15 K MC NE GE        | Version   |
| Order No.  | <a href="#">1880130000</a> | ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478910              |   |
| Qty.       | 200 pc(s).                 |   |
| Type       | ESG 6/15 K MC NE WS        | Version   |
| Order No.  | <a href="#">1880100000</a> | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive  |
| GTIN (EAN) | 4032248478781              |   |
| Qty.       | 200 pc(s).                 |   |



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**Accessories**
**Crosshead screwdriver Pozidriv**

VDE insulated crosshead screwdriver type Pozidriv SDIK PZ DIN 7438, ISO 8764/2-PZ, output to ISO 8764-PZ, SoftFinish grip


**General ordering data**

| Type       | SDIK PZ1                   | Version                          |
|------------|----------------------------|----------------------------------|
| Order No.  | <a href="#">9008900000</a> | Screwdriver, Blade length: 80 mm |
| GTIN (EAN) | 4032248266685              |                                  |
| Qty.       | 1 pc(s).                   |                                  |

**Cross-connection for socket with screw connection**


In an industrial environment, service work needs to be carried out quickly, simply and reliably. If components are replaced, bended relay contacts often cause errors which are difficult to locate.

As the handling of components in practice plays an increasingly important role, DRI relays have particularly stable plug contacts for quick and safe mounting. The test button with latching in end position can be operated tool-free. An easily visible, LED illuminated status display also allows clear determination of status.

Both during installation of the cabinet and during subsequent servicing in the machinery and plant engineering sector, DRI relays are the optimum coupling element for confined installation conditions.

**General ordering data**

| Type       | SRC-I QV S                 | Version                          |
|------------|----------------------------|----------------------------------|
| Order No.  | <a href="#">1132070000</a> | RIDERSERIES RCI, Cross-connector |
| GTIN (EAN) | 4032248912087              |                                  |
| Qty.       | 10 pc(s).                  |                                  |

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**Accessories**

**Retaining clip**



- Coupling relay with positively driven contacts: for monitoring signals within safety-critical circuits
- Relays with positively driven contacts have a 99% diagnostics coverage and an excellent reputation for use in safety systems.
- The contacts interlock with each other in order to ensure a synchronous switching status between both contacts. This guarantees that the alert contact will maintain the same switching status in the event of an error (for example, if the working contact melts from an overload).

**General ordering data**

|            |                            |         |                                 |
|------------|----------------------------|---------|---------------------------------|
| Type       | SRC-I CLIP HM RCI          | Version |                                 |
| Order No.  | <a href="#">1132090000</a> |         | RIDERSERIES RCI, Retaining clip |
| GTIN (EAN) | 4032248912209              |         |                                 |
| Qty.       | 20 pc(s).                  |         |                                 |

**Plastic retaining clip**

Plastic retaining clip for RIDERSERIES RCI relays



**General ordering data**

|            |                            |         |                                 |
|------------|----------------------------|---------|---------------------------------|
| Type       | SRC-I CLIP HP              | Version |                                 |
| Order No.  | <a href="#">8869510000</a> |         | RIDERSERIES RCI, Retaining clip |
| GTIN (EAN) | 4032248614462              |         |                                 |
| Qty.       | 10 pc(s).                  |         |                                 |

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**Accessories**

**Protection module**



Pluggable protective modules for the RIDERSERIES RCI / RCM relay base, with optional protective functions.

- Optionally with free-wheel diode, load resistor or RC filter

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | RIM-I 1 R 110/230V         | Version   |
| Order No.  | <a href="#">8870830000</a> | RIDERSERIES, Load, Rated control voltage: 110...230 V UC, Plug-in connection              |
| GTIN (EAN) | 4032248631674              |   |
| Qty.       | 10 pc(s).                  |   |
| Type       | RIM-I 1 6/230V             | Version   |
| Order No.  | <a href="#">8869580000</a> | RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V DC, Plug-in connection |
| GTIN (EAN) | 4032248614523              |   |
| Qty.       | 10 pc(s).                  |   |
| Type       | RIM-I 3 110/230VAC RC      | Version   |
| Order No.  | <a href="#">8869790000</a> | RIDERSERIES, RC filter, Rated control voltage: 110...230 V UC, Plug-in connection         |
| GTIN (EAN) | 4032248606337              |   |
| Qty.       | 10 pc(s).                  |   |