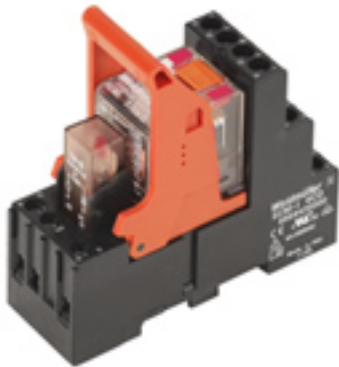


RIDERSERIES RCMKIT-I 230VAC 4CO LD

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



Modular system comprised of:

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

General ordering data

| | |
|------------|--|
| Order No. | 892 1060000 |
| Type | RCMKIT-I 230VAC 4CO LD |
| Version | RIDERSERIES, Relays, No. of contacts: 4, CO contact with test button, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 6 A, Screw connection |
| GTIN (EAN) | 4032248692293 |
| Qty. | 10 pc(s). |

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Technical data
Ratings

| | | | |
|-----------------------------|------------------|----------|--|
| Conductor connection system | Screw connection | Humidity | 40 °C / 93 % rel. humidity, no condensation |
| UL 94 flammability rating | V-0 | | |

Dimensions and weights

| | | | |
|-------|-------|------------|---------|
| Width | 28 mm | Height | 77 mm |
| Depth | 79 mm | Net weight | 111.8 g |

Temperatures

| | | | |
|-----------------------|-----------------|---------------------|-----------------|
| Operating temperature | -40 °C...+70 °C | Storage temperature | -40 °C...+70 °C |
|-----------------------|-----------------|---------------------|-----------------|

Connection data

| | | | |
|--|---------------------|--|---------------------|
| Clamping range, rated connection | 2.5 mm ² | Clamping range, rated connection, min. | 0.5 mm ² |
| Clamping range, rated connection, max. | 2.5 mm ² | Tightening torque, min. | 0.5 Nm |
| Tightening torque, max. | 0.7 Nm | Stripping length, rated connection | 8 mm |

Input

| | | | |
|-------------------------------------|------------------|------------------|---|
| Rated control voltage | 230 V AC | Rated current AC | 4.3 mA |
| Coil resistance | 19,465 Ω ± 15 % | Power rating | 1.0 VA |
| Response / drop-out voltage AC coil | 184.0 V / 69.0 V | Status indicator | Green LED = DC coil; red LED = AC coil |

Output

| | | | |
|-------------------------|--------------|--|---------------|
| Rated switching voltage | 240 V AC | Max. switching voltage, AC | 240 V |
| Continuous current | 6 A | making current | 12 A / 20 ms |
| Max. switching power | 1500 VA | Sparkover time / Drop-out time | 15 ms / 10 ms |
| Min. switching power | 12 V / 10 mA | Max. switching frequency at rated load | 0.1 Hz |

Contact specifications

| | | | |
|------------------|------------|-------------------------|--|
| No. of contacts | 4 | Contact design | CO contact with test button |
| Contact material | AgNi 90/10 | Mechanical service life | AC coil 20 x 10 ⁶ Switching cycles, DC coil 30 x 10 ⁶ Switching cycles |

Insulation coordination

| | | | |
|---|--------------------------------|--|--------|
| Rated voltage | 250 V | Clearance and creepage distances for control side - load side | ≥ 4 mm |
| Dielectric strength for control side - load side | 2.5 KV _{eff} / 1 min. | Protection degree | IP 20 |
| Insulating material group | IIIa | Pollution severity | 2 |
| Surge voltage category | III | | |

Other technical data

| | | | |
|---------|------------------|------------------|---|
| Version | with test button | Status indicator | Green LED = DC coil; red LED = AC coil |
|---------|------------------|------------------|---|

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Technical data

Further details of approvals / standards

Standards DIN EN 50178

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC001437 | ETIM 3.0 | EC001437 |
| UNSPSC | 30-21-19-17 | eClass 4.1 | 40-02-06-14 |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-01 |
| eClass 7.0 | 27-37-16-01 | | |

Approvals

Approvals



Downloads

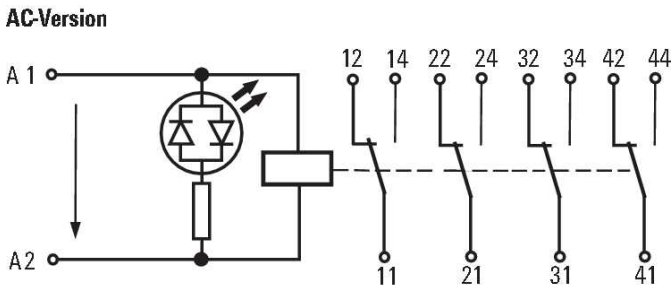
| | |
|---------------------------|--------------------------------|
| Declaration of Conformity | K318_09_09.pdf |
| EPLAN | 8921060000.ema |
| 3-D model | |

**RIDERSERIES
RCMKIT-I 230VAC 4CO LD**

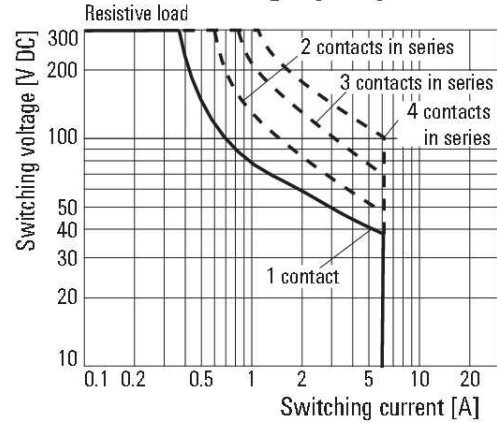
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Drawings

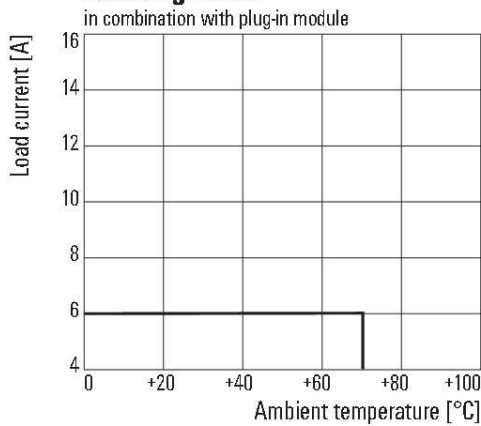
Electric symbol



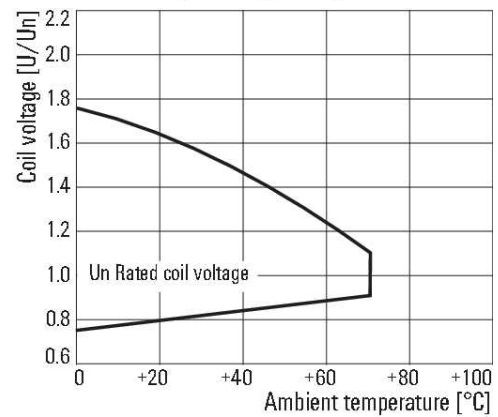
DC load breaking capacity



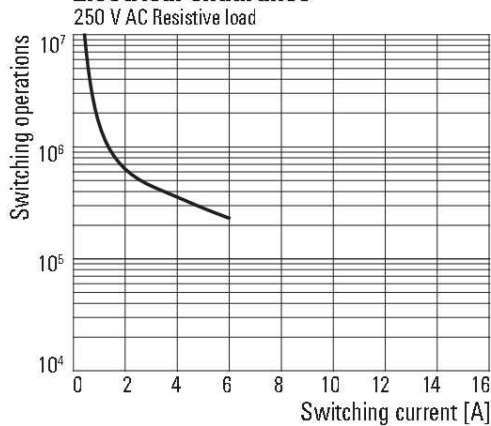
Derating curve



Operating voltage range AC



Electrical endurance



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Accessories

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

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|-----------------------|--------------------------|---------------|-----------|
| 8869650000 | RIM-I 3 110/230VUC | RIDERSERIES, Accessories | 4032248614592 | 10 pc(s). |
| 8869660000 | RIM-I 3 110/230VUC GN | RIDERSERIES, Accessories | 4032248614721 | 10 pc(s). |

Labelling clip



Labelling clip for marking RIDERSERIES RCM relays

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|------------|----------------------|---------------|-----------|
| 8869460000 | SCM-I MARK | RIDERSERIES, Markers | 4032248614417 | 10 pc(s). |

Metal retaining clip



Metal retaining clip for RIDERSERIES RCM relays

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|--------------|--------------------------|---------------|-----------|
| 8869450000 | SCM-I CLIP M | RIDERSERIES, Accessories | 4032248614301 | 10 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

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|--------------------|--------------------------|---------------|-----------|
| 8869750000 | RIM-I 4 230VUC VAR | RIDERSERIES, Accessories | 4032248606368 | 10 pc(s). |

Plastic retaining clip



Plastic retaining clip for RIDERSERIES RCM relays

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|--------------|--------------------------|---------------|-----------|
| 8869440000 | SCM-I CLIP P | RIDERSERIES, Accessories | 4032248614295 | 10 pc(s). |

Base



Relay base for RIDERSERIES RCM relays

- 2, 3 and 4 CO contacts
- Screw and PUSH IN wire connection
- Standard and low heights

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|-------------|---------------------------|---------------|-----------|
| 8869390000 | SCM-I 4CO N | RIDERSERIES, Accessories, | 4032248614257 | 10 pc(s). |
| | | Continuous current: 6 A, | | |
| | | Screw connection | | |

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Accessories

[8869430000](#) SCM-I 4CO P

RIDERSERIES, Accessories, 4032248614288 10 pc(s).
 Continuous current: 6 A,
 PUSH IN spring connection

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

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|-----------------------|--------------------------|---------------|-----------|
| 8869580000 | RIM-I 1 6/230V | RIDERSERIES, Accessories | 4032248614523 | 10 pc(s). |
| 8870830000 | RIM-I 1 R 110/230V | RIDERSERIES, Accessories | 4032248631674 | 10 pc(s). |
| 8869790000 | RIM-I 3 110/230VAC RC | RIDERSERIES, Accessories | 4032248606337 | 10 pc(s). |

Cross-connector


Cross-connector for bridging connections in the RIDERSERIES RCM

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|------------|------------------------------|---------------|-----------|
| 8870850000 | SCM-I QV P | RIDERSERIES, Cross-connector | 4032248631698 | 10 pc(s). |
| 1132080000 | SCM-I QV S | RIDERSERIES, Cross-connector | 4032248912193 | 10 pc(s). |