

## RIDERSERIES RCMKIT-I 230VAC 3CO LD

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
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 Fon: +49 5231 14-0  
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 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.	<a href="#">892 1020000</a>
Type	RCMKIT-I 230VAC 3CO LD
Version	RIDERSERIES, Relays, No. of contacts: 3, CO contact with test button, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 10 A, Screw connection
GTIN (EAN)	4032248692262
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	74 mm
Depth	72 mm	Net weight	88.05 g

**Temperatures**

Operating temperature	-40 °C...+70 °C	Storage temperature	-40 °C...+70 °C
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**Connection data**

Clamping range, rated connection	2.5 mm <sup>2</sup>	Clamping range, rated connection, min.	0.5 mm <sup>2</sup>
Clamping range, rated connection, max.	2.5 mm <sup>2</sup>	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	400 V
Continuous current	10 A	making current	20 A / 20 ms
Max. switching power	2500 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	3	Contact design	CO contact with test button
Contact material	AgNi 90/10	Mechanical service life	AC coil 20 x 10 <sup>6</sup> Switching cycles, DC coil 30 x 10 <sup>6</sup> 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 <sub>eff</sub> / 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 [8921020000.ema](#)  
[3-D model](#)

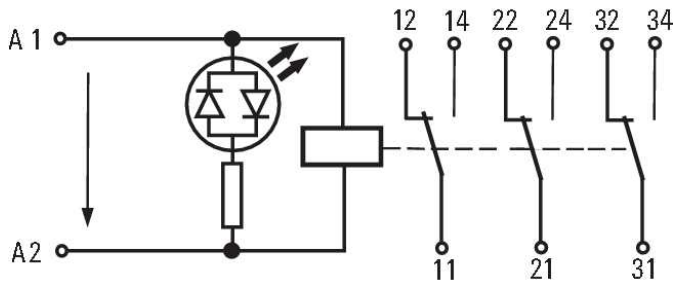
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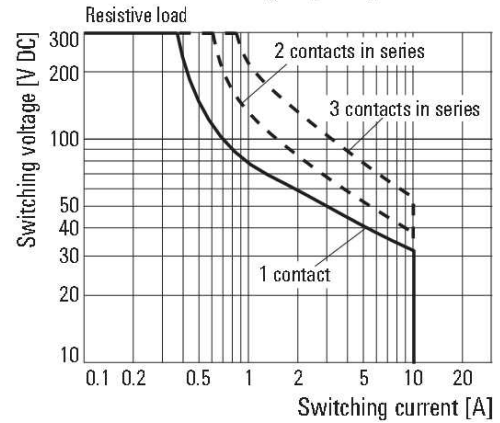
**Drawings**

**Electric symbol**

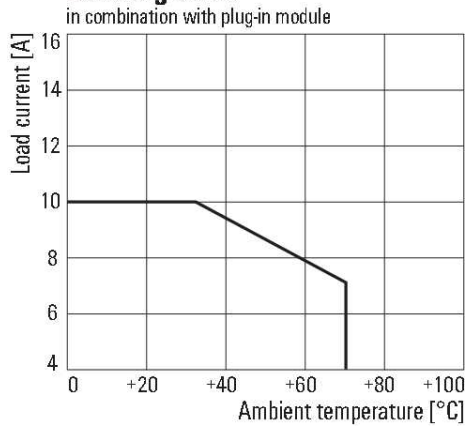
**AC-Version**



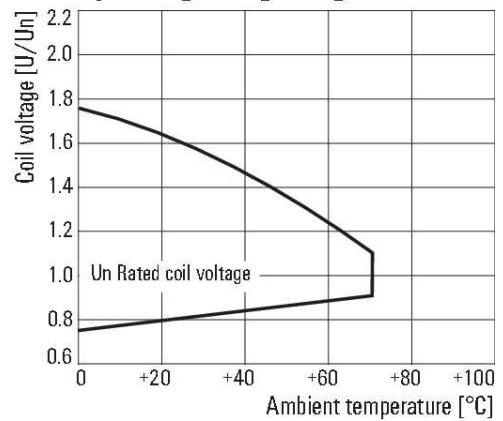
**DC load breaking capacity**



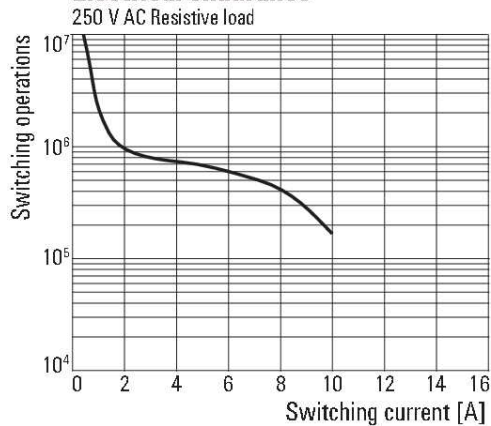
**Derating curve**



**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.
<a href="#">8869650000</a>	RIM-I 3 110/230VUC	RIDERSERIES, Accessories	4032248614592	10 pc(s).
<a href="#">8869660000</a>	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.
<a href="#">8869460000</a>	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.
<a href="#">8869450000</a>	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.
<a href="#">8869750000</a>	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.
<a href="#">8869440000</a>	SCM-I CLIP P	RIDERSERIES, Accessories	4032248614295	10 pc(s).

**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.
<a href="#">8869580000</a>	RIM-I 1 6/230V	RIDERSERIES, Accessories	4032248614523	10 pc(s).
<a href="#">8870830000</a>	RIM-I 1 R 110/230V	RIDERSERIES, Accessories	4032248631674	10 pc(s).
<a href="#">8869790000</a>	RIM-I 3 110/230VAC RC	RIDERSERIES, Accessories	4032248606337	10 pc(s).

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**Accessories**

**Cross-connector**



Cross-connector for bridging connections in the RIDERSERIES RCM

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
<a href="#">8870850000</a>	SCM-I QV P	RIDERSERIES, Cross-connector	4032248631698	10 pc(s).
<a href="#">1132080000</a>	SCM-I QV S	RIDERSERIES, Cross-connector	4032248912193	10 pc(s).