

RIDERSERIES RCMKIT-I 24VAC 3CO LD

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
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 Germany
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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.	8920990000
Type	RCMKIT-I 24VAC 3CO LD
Version	RIDERSERIES, Relays, No. of contacts: 3, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 10 A, Screw connection
GTIN (EAN)	4032248692248
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	100.2 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 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	24 V AC	Rated current AC	41.6 mA
Coil resistance	192 Ω ± 10 %	Power rating	1.0 VA
Response / drop-out voltage AC coil	19.2 V / 7.2 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 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	8920990000.ema
3-D model	

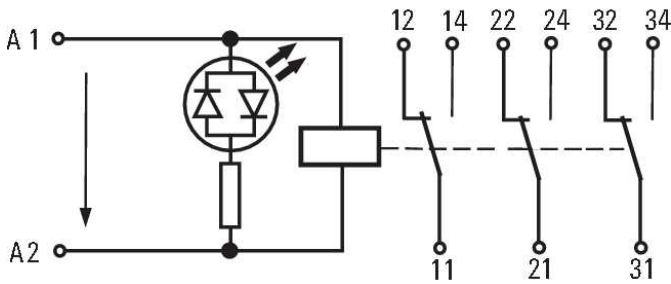
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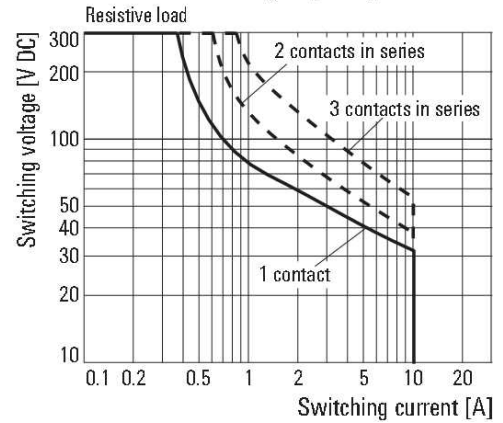
Drawings

Electric symbol

AC-Version

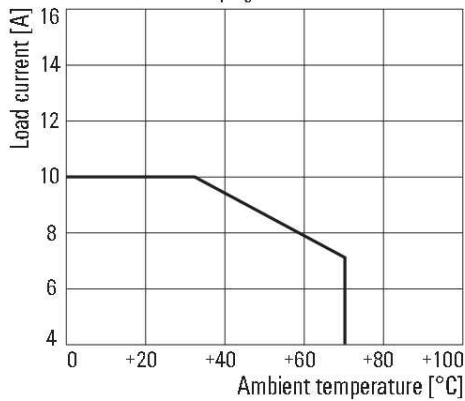


DC load breaking capacity

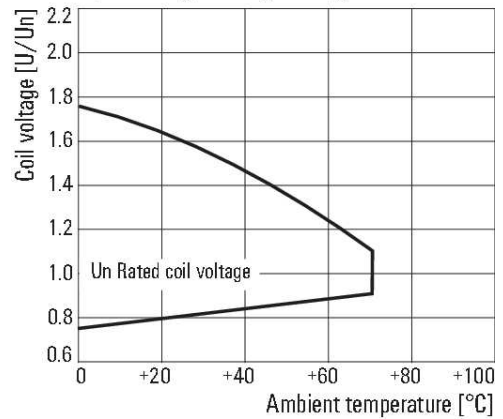


Derating curve

in combination with plug-in module

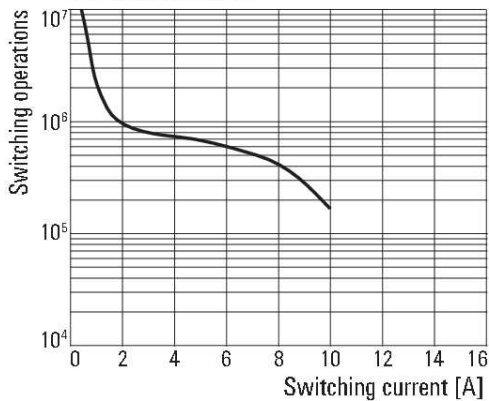


Operating voltage range AC



Electrical endurance

250 V AC Resistive load



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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.
8869640000	RIM-I 3 6/24VUC GN	RIDERSERIES, Accessories	4032248614585	10 pc(s).
8869630000	RIM-I 3 6/24VUC	RIDERSERIES, Accessories	4032248614578	10 pc(s).
8869620000	RIM-I 3 24/60VUC GN	RIDERSERIES, Accessories	4032248614561	10 pc(s).
8869610000	RIM-I 3 24/60VUC	RIDERSERIES, Accessories	4032248614554	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

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).

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.
8869710000	RIM-I 4 24VUC VAR	RIDERSERIES, Accessories	4032248606344	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.
8869580000	RIM-I 1 6/230V	RIDERSERIES, Accessories	4032248614523	10 pc(s).
8869770000	RIM-I 3 6/60VAC RC	RIDERSERIES, Accessories	4032248606320	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.
8870850000	SCM-I QV P	RIDERSERIES, Cross-connector	4032248631698	10 pc(s).
1132080000	SCM-I QV S	RIDERSERIES, Cross-connector	4032248912193	10 pc(s).