

RIDERSERIES RCIKIT 24VAC 1CO LED

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.	8871010000
Type	RCIKIT 24VAC 1CO LED
Version	RIDERSERIES, Relays, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 16 A ⁽¹⁾ , Screw connection
GTIN (EAN)	4032248604159
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	15.5 mm	Height	77 mm
Depth	70 mm	Net weight	59.9 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	31.6 mA
Coil resistance	350 Ω ± 10 %	Power rating	0.75 VA
Response / drop-out voltage AC coil	18 V / 3.6 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	16 A ⁽¹⁾	making current	30 A / 4 s
Max. switching power	4000 VA	Sparkover time / Drop-out time	8 ms / 6 ms
Max. switching frequency at rated load	0.1 Hz		

Contact specifications

No. of contacts	1	Contact design	CO contact
Contact material	AgNi 90/10	Mechanical service life	AC coil 5 x 10 ⁶ Switching cycles, DC coil 10 x 10 ⁶ Switching cycles

Insulation coordination

Rated voltage	250 V	Clearance and creepage distances for control side - load side	≥ 8 mm
Dielectric strength for control side - load side	5 kV _{eff} / 1min	Insulating material group	IIIa
Pollution severity	3	Surge voltage category	III

Other technical data

Version	without 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 3.0	EC001437	UNSPSC	30-21-19-17
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	K315_07_09.pdf
EPLAN	8871010000.ema
3-D model	

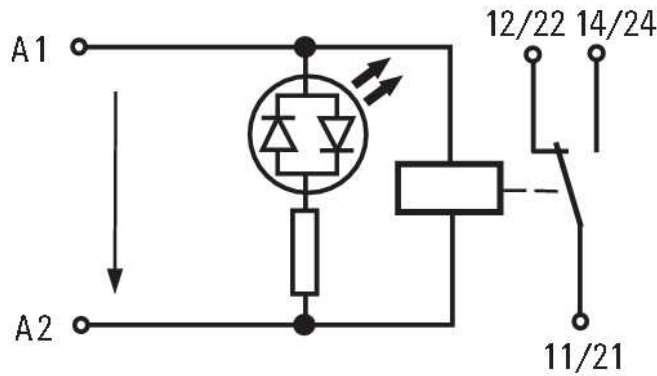
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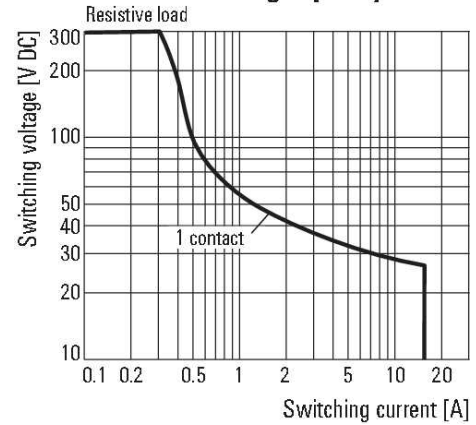
Drawings

Electric symbol

AC-Version

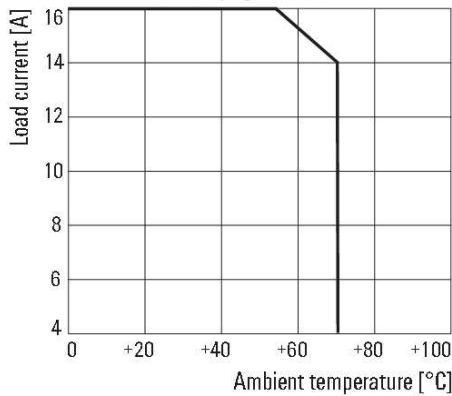


DC load breaking capacity

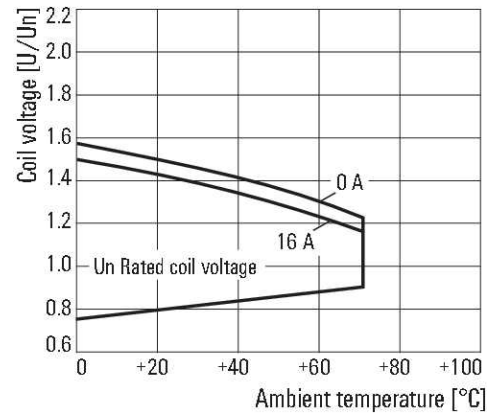


Derating curve

in combination with plug-in module

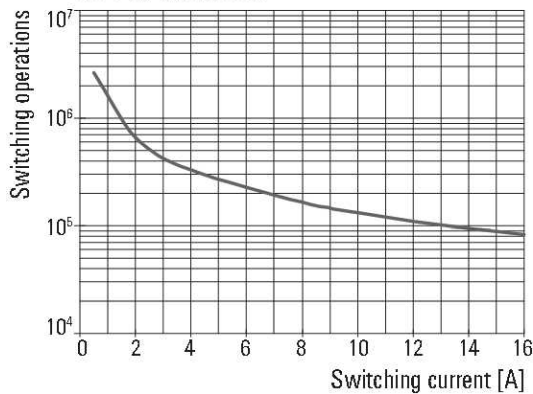


Operating voltage range AC



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).

Cross-connector


Cross-connector for bridging connections in the RIDERSERIES RCI

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8870840000	SRC-I QV P	RIDERSERIES, Cross-connector	4032248631681	10 pc(s).
1132070000	SRC-I QV S	RIDERSERIES, Cross-connector	4032248912087	10 pc(s).

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Accessories

with LED, without test button



Standard relays in the RIDERSERIES RCI.

- 1 CO contact
- Relay with AC coil
- Relay with integrated status display

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8870130000	RCI314R24	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 16 A, Plug-in connection	4032248613502	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).

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Accessories

Base



Relay base for the RIDERSERIES RCI relays

- 1 and 2 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8869480000	SRC-I 2CO N	RIDERSERIES, Accessories,	4032248614431	10 pc(s).
Continuous current: 16 A ⁽¹⁾ , 8 A, Screw connection				

Metal retaining clip



Metal retaining clip for RIDERSERIES RCI relays

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1132090000	SRC-I CLIP HM RCI	RIDERSERIES, Accessories	4032248912209	20 pc(s).

Labelling clip



Labelling clip for marking RIDERSERIES RCI relays

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8869530000	SRC-I MARK	RIDERSERIES, Markers	4032248614479	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

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).

Plastic retaining clip

Plastic retaining clip for RIDERSERIES RCI relays



General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8869510000	SRC-I CLIP HP	RIDERSERIES, Accessories	4032248614462	10 pc(s).