RCIKIT 230VAC 1CO LD/PB

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



Similar to illustration

- Mounted kit consisting relay, socket and retaining clip
- 100 % function tested
- 100 % check of the dielectric strenght between input - output
- 1 CO contacts
- Optional test button with mechanical status indicator
- Bright status LED (AC coil: red / DC coil: green)
- identification of coils (AC red / DC blue)

General ordering data

Version	RIDERSERIES RCI, Relay module, Number of contacts: 1, CO contact AgNi, Rated control voltage: 230 V AC, Continuous current: 16 A, Screw connection, Test button available: Yes
Order No.	8881600000
Type	RCIKIT 230VAC 1CO LD/PB
GTIN (EAN)	4032248631858
Qty.	10 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2024-10-31
Relevant base	8869490000
Relevant product	2473820000
Relevant relay	8870300000

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Technical data

Dimensions and weights

Depth	70.2 mm	Depth (inches)	2.764 inch
Height	77 mm	Height (inches)	3.031 inch
Width	15.8 mm	Width (inches)	0.622 inch
Net weight	58.7 g		

Temperatures

Storage temperature	-40 °C...70 °C	Operating temperature	-40 °C...70 °C
Humidity	40 °C / 93 % rel. humidity, no condensation		

Control side

Rated control voltage	230 V AC	Rated current AC	4.4 mA
Power rating	1012 mVA	Coil resistance	32500 Ω ± 15 %
Coil tolerance	15 %	Status indicator	red LED

Load side

Rated switching voltage	250 V AC	Continuous current	16 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
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	Contact type	1 CO contact (AgNi)
Mechanical service life	AC coil 5 x 10^6 switching cycles, DC coil 10 x 10^6 switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V

General data

Rail	TS 35	Test button available	Yes
Version of test button	lockable, just when removing the detend lock, Momentary test button	Mechanical switch position indicator	Yes
Colour	black		

Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Clearance and creepage distances for control side - load side	≥ 8 mm	Dielectric strength for control side - load side	5 kV_{eff} / 1min
Dielectric strength of open contact	1 kV_{eff} / 1 min	Impulse withstand voltage	5 kV (1.2/50 µs)
Protection degree	IP20		

Further details of approvals / standards

Certificate no. (CSA) relay	249409-2426937	Certificate no. (CSA) base	249409-2295474
Certificate No. (DNV)	TAA000011A	Certificate no. (cURus) relay	E522350
Certificate no. (cURus) base	E223759		

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Technical data

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 mm²	Clamping range, min.	1 mm²
Clamping range, max.	2.5 mm²	Wire cross-section, solid, min.	1 mm²
Wire cross-section, solid, max.	2.5 mm²	Wire connection cross section, finely stranded, min.	1 mm²
Wire connection cross section, finely stranded, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	1 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm²	Wire connection cross section, finely stranded, two clampable wires, min.	1 mm²
Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm²	Blade size	size PZ1

Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ECLASS 9.0	27-37-16-01	ECLASS 9.1	27-37-16-01
ECLASS 10.0	27-37-16-01	ECLASS 11.0	27-37-16-01
ECLASS 12.0	27-37-16-01	ECLASS 13.0	27-37-16-01

Important note

Product information	IP20 without connected conductor at complete opened clamping yoke connection.

Approvals

Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	Zuken E3.S
Product Change Notification	20220511 Product consolidation RIDERSERIES RCI KITs 20220511 Produktkonsolidierung RIDERSERIES RCI KITs
Catalogues	Catalogues in PDF-format
Brochures	

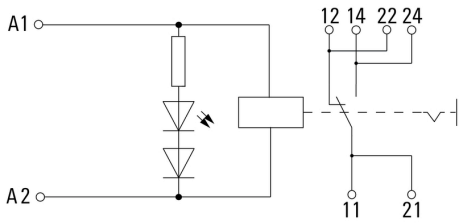
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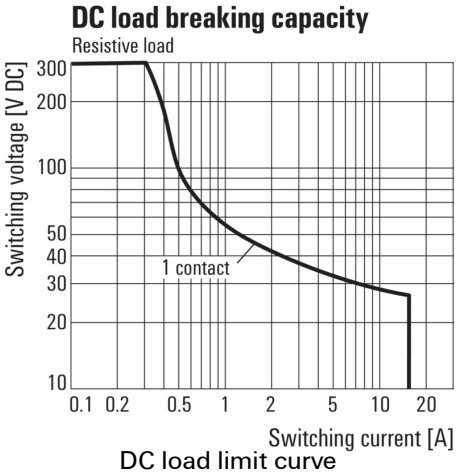
Drawings

Wiring diagram



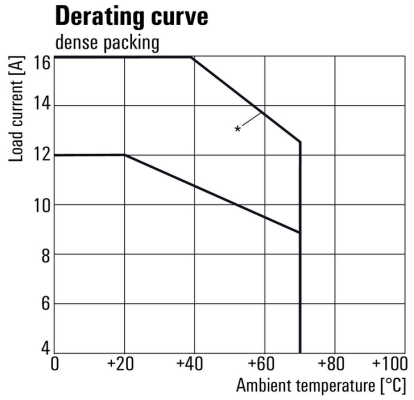
For full continuous current (16 A), the wire terminals 11 with 21, 12 with 22 and 14 with 24 must be bridged with a wire ≥ 1,5 mm² at the socket.

Graph



DC load limit curve
Resistive load

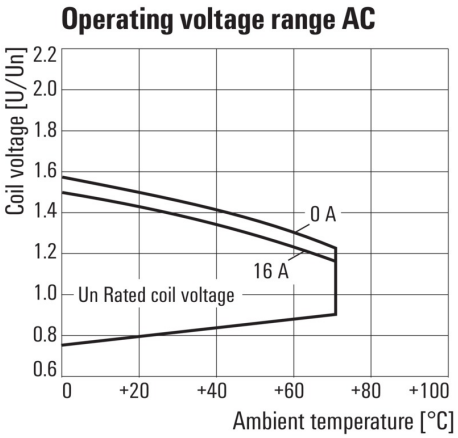
Graph



*For full continuous current (16 A), the wire terminals 11 with 21, 12 with 22 and 14 with 24 must be bridged with a wire ≥ 1,5 mm² at the socket.

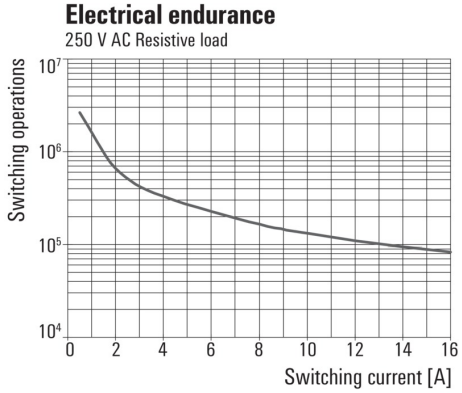
Derating curve
Relay in combination with base

Graph



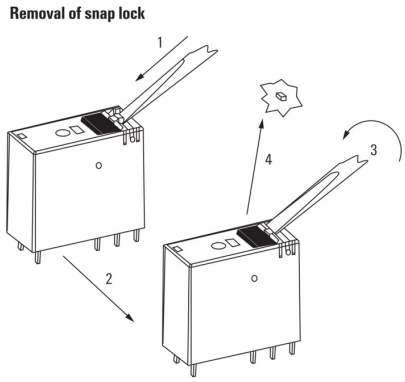
AC operational voltage range

Graph



Electrical service life250 V AC resistive load
250 V AC resistive load

Dimensional drawing



Detailed drawing
Removal of the test button detent lock

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Accessories

ESG 6/15



Guaranteed long service life: ESG
The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.
Your benefits with MultiMark
- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

General ordering data

Type	ESG 6/15 MM WS	Version
Order No.	2619940000	ESG, Device markers, 6 x 15 mm, white
GTIN (EAN)	4050118626148	
Qty.	3,000 pc(s).	

Cross-connection for socket with screw connection

Cross-connection for the socktes in the D-SERIES DRI.



General ordering data

Type	SRC-I QV S	Version
Order No.	1132070000	RIDERSERIES RCI, Cross-connector
GTIN (EAN)	4032248912087	
Qty.	10 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 X 80	Version
Order No.	2749920000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118897227	
Qty.	1 pc(s).	

Retaining clips



Retaining clip for RIDERSERIES RCI relays
• Metal and plastic retaining clip

General ordering data

Type	SRC-I CLIP HP	Version
Order No.	8869510000	RIDERSERIES RCI, Retaining clip
GTIN (EAN)	4032248614462	
Qty.	10 pc(s).	
Type	SRC-I CLIP HM RCI	Version
Order No.	1132090000	RIDERSERIES RCI, Retaining clip
GTIN (EAN)	4032248912209	
Qty.	20 pc(s).	

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Accessories

Protective varistor



Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.
- With protective varistor
- For UC supply voltage

General ordering data

Type	RIM-I 4 230VUC VAR	Version
Order No.	8869750000	RIDERSERIES, Protective varistor, Rated control voltage: 230 V UC,
GTIN (EAN)	4032248606368	Plug-in connection
Qty.	10 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 X 80	Version
Order No.	2749440000	Screwdriver, Blade width (B): 80 mm, Blade thickness (A):
GTIN (EAN)	4050118895667	
Qty.	1 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 manufacturers like Siemens, ABB, Beckhoff etc.
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.

General ordering data

Type	ESG 6/15 K MC NE GE	Version
Order No.	1880130000	ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive
GTIN (EAN)	4032248478910	
Qty.	200 pc(s).	
Type	ESG 6/15 SRC-I MC NE WS	Version
Order No.	2558350000	ESG, Device markers x 15 mm, PA 66, Colour: white
GTIN (EAN)	4050118569063	
Qty.	200 pc(s).	
Type	ESG 6/15 K MC NE WS	Version
Order No.	1880100000	ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478781	
Qty.	200 pc(s).	

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 SLIM PZ1 X 80	Version
Order No.	2749670000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118896411	
Qty.	1 pc(s).	

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Accessories

LED



Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.
- Optional with green or red LED
- For UC supply voltage

General ordering data

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

Protection module



Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.
- Optional with free-wheeling diode, protective varistor, load resistor or RC filter

General ordering data

Type	RIM-I 1 R 110/230V	Version
Order No.	8870830000	RIDERSERIES, Load, Rated control voltage: 110...230 V UC, Plug-in
GTIN (EAN)	4032248631674	connection
Qty.	10 pc(s).	
Type	RIM-I 1 6/230V	Version
Order No.	8869580000	RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V
GTIN (EAN)	4032248614523	DC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM-I 3 110/230VAC RC	Version
Order No.	8869790000	RIDERSERIES, RC filter, Rated control voltage: 110...230 V UC, Plug-in
GTIN (EAN)	4032248606337	connection
Qty.	10 pc(s).	
Type	RIM-I 3 230VAC RC	Version
Order No.	1172210000	RIDERSERIES, RC filter, Rated control voltage: 230 V UC, Plug-in
GTIN (EAN)	4032248964420	connection
Qty.	10 pc(s).	

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Accessories

ESG 6/17



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- Can be used with equipment from many manufacturers
- Device markers with a familiar design

General ordering data

Type	ESG 6/17 MM WS	Version
Order No.	2005100000	ESG, Device markers, 6 x 17 mm, white
GTIN (EAN)	4050118390728	
Qty.	3,000 pc(s).	

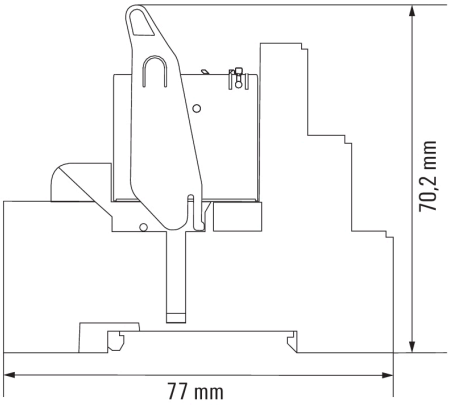
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Drawings

Dimensional drawing



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Drawings

