RIDERSERIES RCI
RCIKIT 230VAC 2CO LD/PB

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

Type	RCIKIT 230VAC 2CO LD/PB
Order No.	8881630000
Version	RIDERSERIES RCI, Relay module, No. of contacts: 2 CO contact with test button AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 8 A, Screw connection
GTIN (EAN)	4032248631889
Qty.	10 pc(s).

RIDERSERIES RCI
RCIKIT 230VAC 2CO LD/PB

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

Technical data

Dimensions and weights

Width	15.8 mm	Width (inches)	0.622 inch
Height	77 mm	Height (inches)	3.031 inch
Depth	70.2 mm	Depth (inches)	2.764 inch
Net weight	56.42 g		

Temperatures

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

Input

Rated control voltage	230 V AC	Rated current AC	3.5 mA
Power rating	0.8 VA	Pull-in/drop-out voltage, typ.	172.5 V / 34.5 V AC
Coil resistance	32500 Ω ± 15 %	Status indicator	Red LED

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	400 V
Continuous current	8 A	Inrush current	15 A / 4 s
AC switching capacity (resistive), max.	2000 VA	DC switching capacity (resistive), max.	192 W @ 24 V
Switch-on delay	≤ 10 ms	Switch-off delay	≤ 6 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V	Max. switching frequency at rated load	0.1 Hz

Contact data

Contact type	2 CO contact with test button (AgNi 90/10)	Mechanical service life	AC coil 5 x 10^6 Switch. cycles, DC coil 10 x 10^6 Switch. cycles

General data

Mounting rail	TS 35	Test button	yes (loackable, just when removing the detent lock)
Mechanical switch position indicator	Yes	Colour	Black

Insulation coordination

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Insulating material group	IIIa
Protection degree	IP20	Dielectric strength input – output	5 kV_{eff} / 1min
Creepage and clearance distance input – output	≥ 8 mm	Dielectric strength of neighbouring contacts	2.5 KV_{eff} / 1 min.
Dielectric strength of open contact	1 kV_{eff} / 1 min	Impulse withstand voltage	5 kV (1.2/50 µs)

Further details of approvals / standards

Standards	DIN EN 50178	Certificate no. (CSA) relay	249409-2426937
Certificate no. (CSA) base	249409-2295474	Certificate No. (DNVGL)	TAA000011A
Certificate no. (cURus) relay	E224238	Certificate no. (cURus) base	E223759

RIDERSERIES RCI
RCIKIT 230VAC 2CO LD/PB

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

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 3.0	EC001437	ETIM 4.0	EC001437
ETIM 5.0	EC001437	ETIM 6.0	EC001437
UNSPSC	30-21-19-17	eClass 5.1	27-37-16-01
eClass 6.2	27-37-16-01	eClass 7.1	27-37-16-01
eClass 8.1	27-37-16-01	eClass 9.0	27-37-16-01
eClass 9.1	27-37-16-01		

Product information

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

Approvals

Approvals	
ROHS	Conform

Downloads

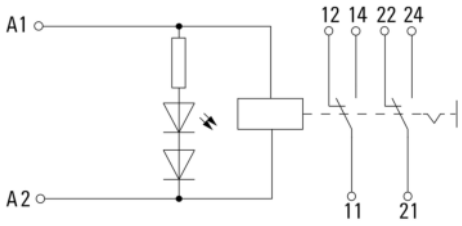
Approval/Certificate/Document of Conformity	DE_PA5600_160414_001.pdf
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP

RIDERSERIES RCI
RCIKIT 230VAC 2CO LD/PB

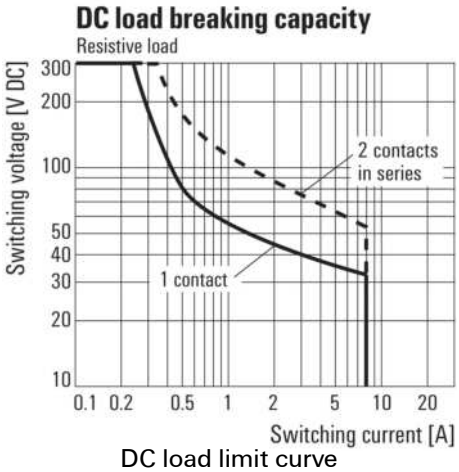
Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

Wiring diagram

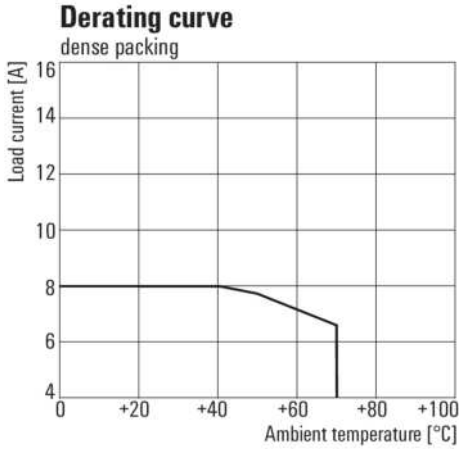


Graph



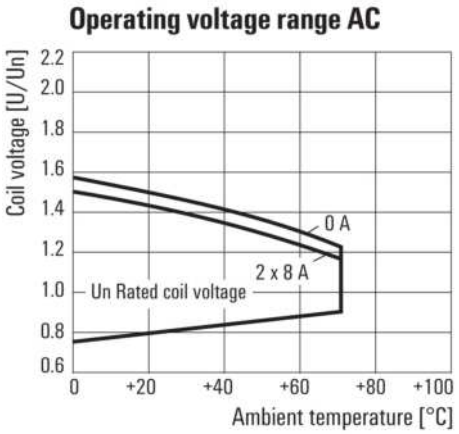
DC load limit curve
Resistive load

Graph



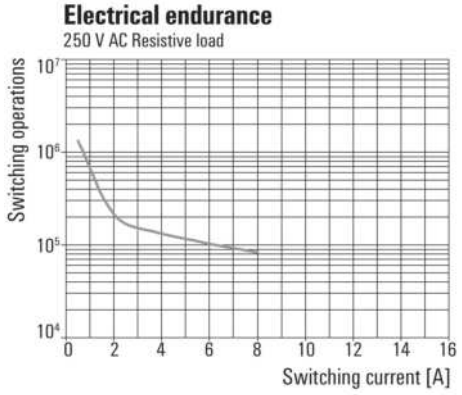
Derating curve
Relay in combination with base

Graph



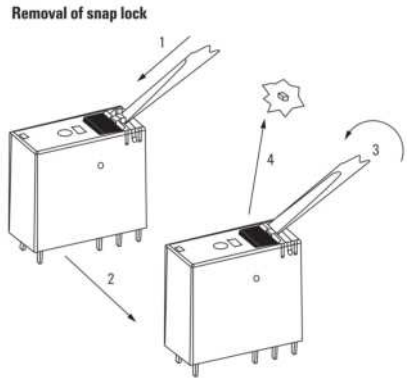
AC operational voltage range

Graph



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

Dimensional drawing



Detailed drawing
Removal of the test button detent lock

RIDERSERIES RCI
RCIKIT 230VAC 2CO LD/PB

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

Drawings

Dimensional drawing

