

## RCMKIT-I 230VAC 2CO LD

**Weidmüller Interface GmbH & Co. KG**

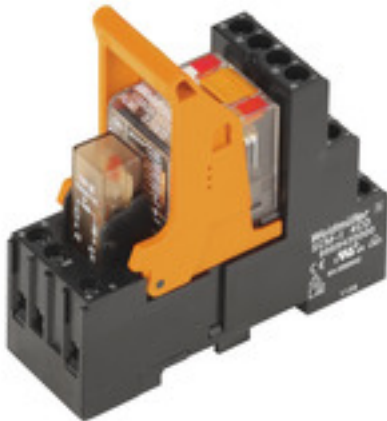
Klingenbergstraße 26

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
- 2 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 RCM, Relay module, Number of contacts: 2, CO contact AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 12 A, Screw connection
Order No.	<a href="#">8920970000</a>
Type	RCMKIT-I 230VAC 2CO LD
GTIN (EAN)	4032248692224
Qty.	10 pc(s).
Relevant base	<a href="#">8869400000</a>
Relevant relay	<a href="#">8689820000</a>
Relevant rim module	<a href="#">8869650000</a>

Creation date March 29, 2021 11:42:22 PM CEST

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## Technical data

## Dimensions and weights

Depth	78.3 mm	Depth (inches)	3.083 inch
Height	77 mm	Height (inches)	3.031 inch
Net weight	87.3 g	Width	27.2 mm
Width (inches)	1.071 inch		

## Temperatures

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

## Probability of failure

B10	370.000 AC15: 250Vac/5A
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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## Control side

Coil resistance	19465 $\Omega \pm 15\%$	Power rating	1.31 VA
Pull-in/drop-out voltage, typ.	184 V / 69 V AC	Rated control voltage	230 V AC
Rated current AC	5.7 mA	Status indicator	red LED

## Load side

AC switching capacity (resistive), max.	3000 VA	Continuous current	12 A
DC switching capacity (resistive), max.	288 W @ 24 V	Inrush current	24 A / 20 ms
Max. switching frequency at rated load	0.1 Hz	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Rated switching voltage	250 V AC	Switch-off delay	$\leq 10$ ms
Switch-on delay	$\leq 15$ ms		

## Contact data

Contact type	2 CO contact (AgNi 90/10)	Mechanical service life	AC coil $20 \times 10^6$ switching cycles, DC coil $30 \times 10^6$ switching cycles
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## General data

Rail	TS 35	Test button	yes (lockable)
Mechanical switch position indicator	Yes	Colour	black

## Insulation coordination

Creepage and clearance distance input – output	$\geq 4$ mm	Dielectric strength of neighbouring contacts	2.5 kV <sub>eff</sub> / 1 Min.
Dielectric strength of open contact	1.2 kV <sub>eff</sub> / 1 min.	Dielectric strength, Input/Output	2.5 kV <sub>eff</sub> / 1 Min.
Impulse withstand voltage	5 kV (1.2/50 $\mu$ s)	Insulating material group	IIIa
Pollution severity	2	Protection degree	IP20
Rated voltage	250 V	Surge voltage category	III

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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## Further details of approvals / standards

Standards	DIN EN 50178	Certificate No. (CSA)	249409-2426937
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		

## 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 mm <sup>2</sup>	Clamping range, min.	1 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>	Wire cross-section, solid, min.	1 mm <sup>2</sup>
Wire cross-section, solid, max.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	1 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	1 mm <sup>2</sup>
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, two clampable wires, min.	1 mm <sup>2</sup>
Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm <sup>2</sup>	Blade size	size PZ1

## Classifications

ETIM 6.0	EC001437	ETIM 7.0	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

## Important note

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

## Approvals

Approvals



ROHS Conform

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>

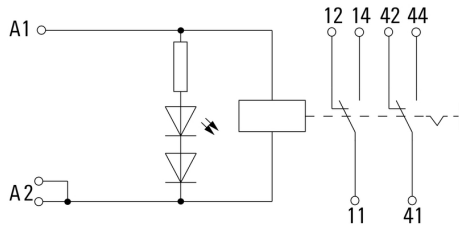
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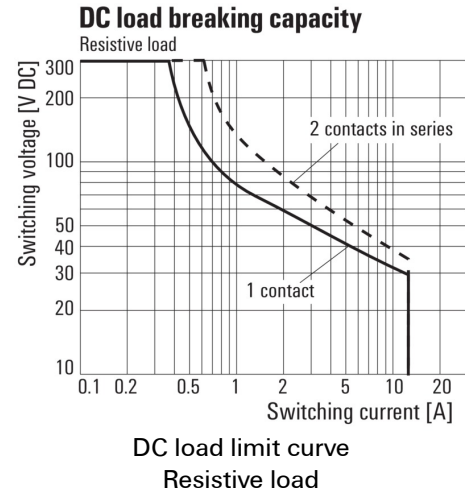
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**Drawings**

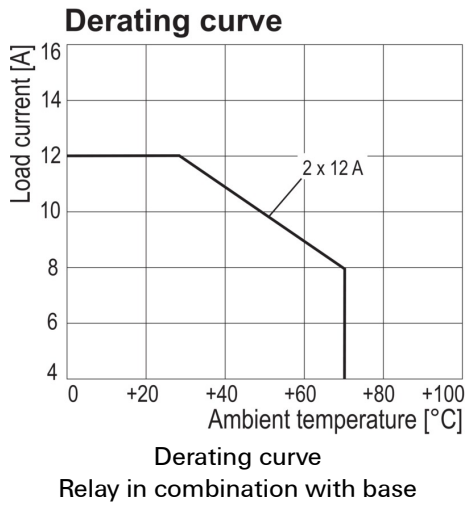
**Wiring diagram**



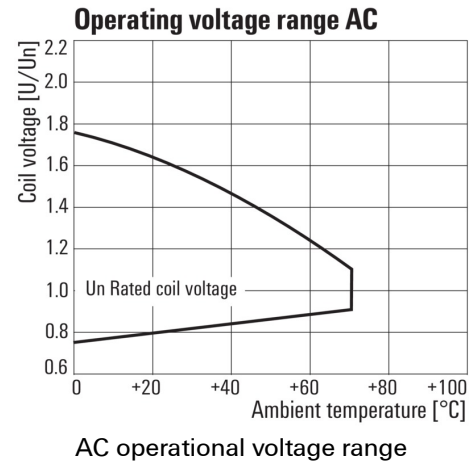
**Graph**



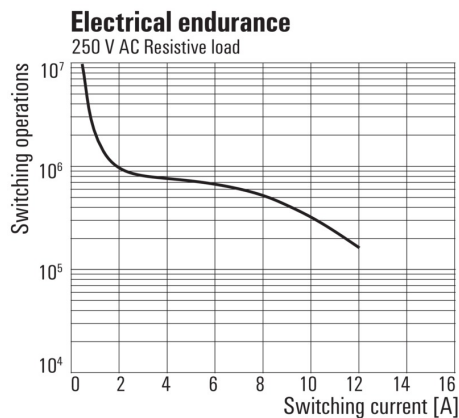
**Graph**



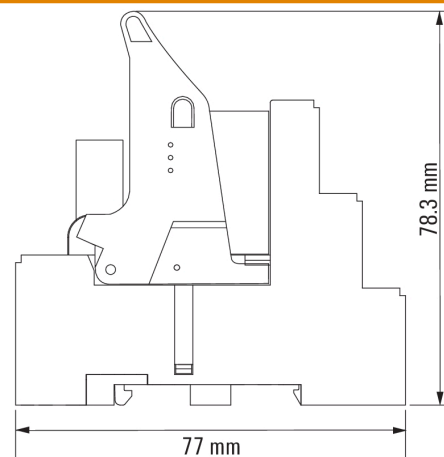
**Graph**



**Graph**



**Dimensional drawing**



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