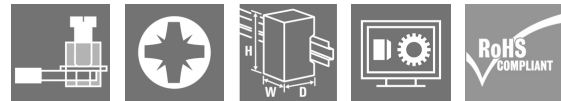


**RCMKIT-I 24VDC 2CO LD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Rated control voltage: 24 V DC, Continuous current: 12 A, Screw connection, Test button available: Yes
Order No.	<a href="#">8920940000</a>
Type	RCMKIT-I 24VDC 2CO LD
GTIN (EAN)	4032248692194
Qty.	10 pc(s).
Relevant relay	<a href="#">8689860000</a>
Relevant base	<a href="#">8869400000</a>
Relevant rim module	<a href="#">8869600000</a>

Creation date October 4, 2024 7:56:16 PM CEST

Catalogue status 28.09.2024 / We reserve the right to make technical changes.

## RCMKIT-I 24VDC 2CO LD

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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
Width	27.2 mm	Width (inches)	1.071 inch
Net weight	89.35 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	24 V DC	Rated current DC	32.8 mA
Power rating	804 mW	Coil resistance	777 $\Omega \pm 10\%$
Coil tolerance	10 %	Status indicator	Green LED
Protective circuit	Free-wheeling diode		

## Load side

Rated switching voltage	240 V AC	Continuous current	12 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Inrush current	24 A / 20 ms	AC switching capacity (resistive), max.	3000 VA
DC switching capacity (resistive), max.	288 W @ 24 V	Switch-on delay	$\leq 15$ ms
Switch-off delay	$\leq 10$ ms	Contact type	2 CO contact (AgNi)
Mechanical service life	AC coil $20 \times 10^6$ switching cycles, DC coil $30 \times 10^6$ 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 test button, Mo- mentary 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	$\geq 4$ mm	Dielectric strength for control side - load side	2.5 kV <sub>eff</sub> / 1 Min.
Dielectric strength of neighbouring con- tacts	2.5 kV <sub>eff</sub> / 1 Min.	Dielectric strength of open contact	1.2 kV <sub>eff</sub> / 1 min.
Impulse withstand voltage	5 kV (1.2/50 $\mu$ s)	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 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
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
ECLASS 14.0	27-37-16-01		

## Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

## Important note

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

Approvals



ROHS	Conform
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## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

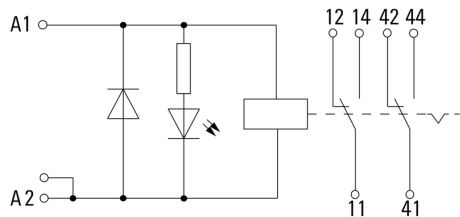
## RCMKIT-I 24VDC 2CO LD

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## Drawings

## Wiring diagram

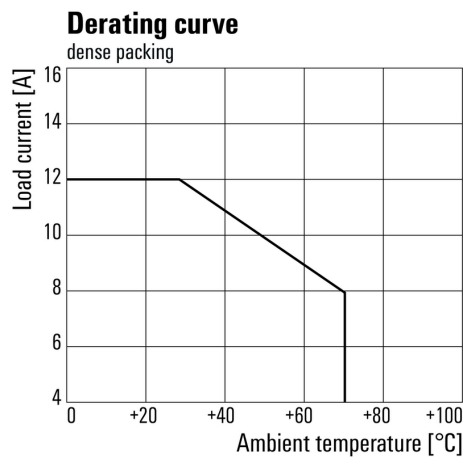


## Graph



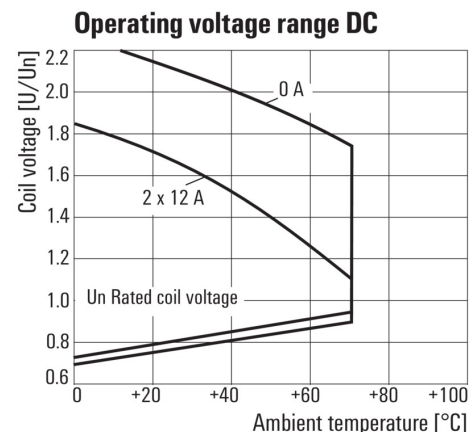
DC load limit curve  
 Resistive load

## Graph



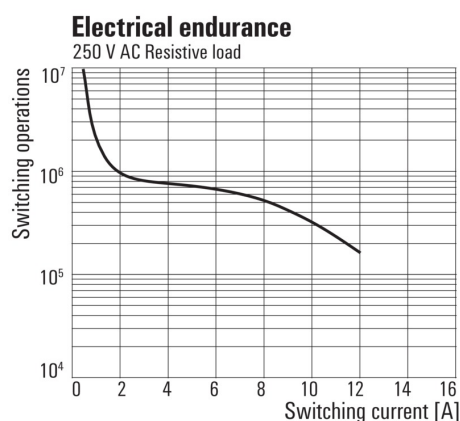
Derating curve  
 Relay in combination with base

## Graph



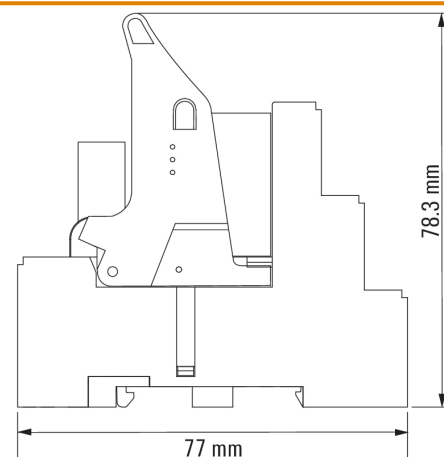
DC operational voltage range

## Graph



Electrical service life 250 V AC resistive load  
 250 V AC resistive load

## Dimensional drawing



## RCMKIT-I 24VDC 2CO LD

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## Accessories

## 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.	<a href="#">2749670000</a>	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118896411	
Qty.	1 pc(s).	

## LED / Free-wheel diode



Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.

- Optional with green or red LED
- With free-wheeling diode
- For DC supply voltage

## General ordering data

Type	RIM-I 2 6/24VDC	Version
Order No.	<a href="#">8869590000</a>	RIDERSERIES, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248614530	voltage: 6...24 V DC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM-I 2 24/60VDC GN	Version
Order No.	<a href="#">8869680000</a>	RIDERSERIES, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248614615	voltage: 24...60 V DC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM-I 2 24/60VDC	Version
Order No.	<a href="#">8869670000</a>	RIDERSERIES, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248614608	voltage: 24...60 V DC, Plug-in connection
Qty.	10 pc(s).	
Type	RIM-I 2 6/24VDC GN	Version
Order No.	<a href="#">8869600000</a>	RIDERSERIES, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248614547	voltage: 6...24 V DC, Plug-in connection
Qty.	10 pc(s).	

## RCMKIT-I 24VDC 2CO LD

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## Accessories

## 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.	<a href="#">2749440000</a>	Screwdriver, Blade width (B): 80 mm, Blade thickness (A):
GTIN (EAN)	4050118895667	
Qty.	1 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 6/230V	Version
Order No.	<a href="#">8869580000</a>	RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V
GTIN (EAN)	4032248614523	DC, Plug-in connection
Qty.	10 pc(s).	

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**Accessories****ESG 6/17****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 6/17 MM WS	Version
Order No.	<a href="#">2005100000</a>	ESG, Device markers, 6 x 17 mm, white
GTIN (EAN)	4050118390728	
Qty.	3,000 pc(s).	

**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.	<a href="#">2749920000</a>	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118897227	
Qty.	1 pc(s).	

## RCMKIT-I 24VDC 2CO LD

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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 9/26 SCM-I MC NE WS	Version
Order No.	<a href="#">2558330000</a>	ESG, Device markers x 26 mm, PA 66, Colour: white
GTIN (EAN)	4050118569049	
Qty.	80 pc(s).	

## ESG 6/15

**Guaranteed long service life: ESG**

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- Device markers with a familiar design

## General ordering data

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



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Cross-connection for socket with screw connection**

Cross-connection for the sockets in the D-SERIES DRM.

**General ordering data**

Type	SCM-I QV S	Version
Order No.	<a href="#">1132080000</a>	RIDERSERIES RCM, Cross-connector
GTIN (EAN)	4032248912193	
Qty.	10 pc(s).	

**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 24VUC VAR	Version
Order No.	<a href="#">8869710000</a>	RIDERSERIES, Protective varistor, Rated control voltage: 24 V UC, Plug-
GTIN (EAN)	4032248606344	in connection
Qty.	10 pc(s).	

## RCMKIT-I 24VDC 2CO LD

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## Accessories

## Retaining clips



Retaining clip for RIDERSERIES RCM relays

- Metal and plastic retaining clip

## General ordering data

Type	SCM-I CLIP M	Version
Order No.	<a href="#">8869450000</a>	RIDERSERIES RCM, Retaining clip
GTIN (EAN)	4032248614301	
Qty.	10 pc(s).	
Type	SCM-I CLIP P	Version
Order No.	<a href="#">8869440000</a>	RIDERSERIES RCM, Retaining clip
GTIN (EAN)	4032248614295	
Qty.	10 pc(s).	

## Blank



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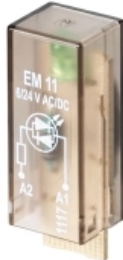
Type	ESG 6/17 K MC NE GE	Version
Order No.	<a href="#">1880110000</a>	ESG, Device markers x 17 mm, PA 66, Colour: yellow, Self-adhesive
GTIN (EAN)	4032248478798	
Qty.	200 pc(s).	
Type	ESG 6/17 K MC NE WS	Version
Order No.	<a href="#">1880120000</a>	ESG, Device markers x 17 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478804	
Qty.	200 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**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 24/60VUC	Version
Order No.	<a href="#">8869610000</a>	RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-
GTIN (EAN)	4032248614554	in connection
Qty.	10 pc(s).	
Type	RIM-I 3 6/24VUC GN	Version
Order No.	<a href="#">8869640000</a>	RIDERSERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in
GTIN (EAN)	4032248614585	connection
Qty.	10 pc(s).	
Type	RIM-I 3 6/24VUC	Version
Order No.	<a href="#">8869630000</a>	RIDERSERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in
GTIN (EAN)	4032248614578	connection
Qty.	10 pc(s).	
Type	RIM-I 3 24/60VUC GN	Version
Order No.	<a href="#">8869620000</a>	RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-
GTIN (EAN)	4032248614561	in connection
Qty.	10 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Blank**

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**General ordering data**

Type	ESG 6/15 K MC NE WS	Version
Order No.	<a href="#">1880100000</a>	ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478781	
Qty.	200 pc(s).	
Type	ESG 6/15 K MC NE GE	Version
Order No.	<a href="#">1880130000</a>	ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive
GTIN (EAN)	4032248478910	
Qty.	200 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Drawings**