

## RCIKIT 24VDC 2CO LD/FG

Weidmüller Interface GmbH & Co. KG

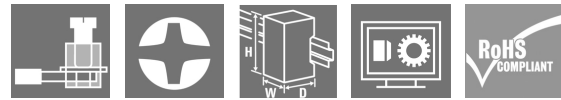
Klingenbergstraße 26

D-32758 Detmold

Germany

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

### Product image



Relay modules with forcibly guided contacts  
Relays with forcibly guided contacts have a 99 % diagnostics coverage and an excellent reputation for use in safety systems. The contacts interlock mechanically with each other in order to ensure a synchronous switching status of both contacts. This guarantees that the alert contact will maintain the same switching status in the event of an error (for example, if the working contact welds from an overload). The controller (or safety controller) detects the alert contact and then compares the set values and actual values. If a difference occurs, measures can then be taken to protect equipment and human life.

- 2 CO contacts with 6 A, forcibly guided according to EN 61810-3 type B
- Proven component in safety technology
- Diagnosis coverage of 99 %

### General ordering data

Version	RIDERSERIES FG, Relay module with positively driven contacts, Number of contacts: 2, CO contacts forcibly guided (EN 61810-3 type B) AgCuNi, Rated control voltage: 24 V DC $\pm$ 10 %, Continuous current: 6 A, Screw connection, Test button available: No
Order No.	<a href="#">1218410000</a>
Type	RCIKIT 24VDC 2CO LD/FG
GTIN (EAN)	4050118002416
Qty.	10 pc(s).
Relevant relay	<a href="#">1218380000</a>
Relevant base	<a href="#">8690830000</a>
Relevant rim module	<a href="#">8713720000</a>

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## Technical data

## Dimensions and weights

Depth	61.6 mm	Depth (inches)	2.425 inch
Height	77.6 mm	Height (inches)	3.055 inch
Width	15.6 mm	Width (inches)	0.614 inch
Net weight	71.1 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...70 °C
Humidity	40 °C / 95 % rel. humidity, no condensation		

## Control side

Rated control voltage	24 V DC $\pm$ 10 %	Rated current DC	31.6 mA
Power rating	759 mW	Coil resistance	720 $\Omega$ $\pm$ 10 %
Status indicator	Green LED	Protective circuit	Free-wheeling diode

## Load side

Rated switching voltage	250 V AC	Continuous current	6 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, DC	250 V
Inrush current	15 A / 20 ms	AC switching capacity (resistive), max.	1500 VA
DC switching capacity (resistive), max.	144 W @ 24 V	Switch-on delay	$\leq$ 12 ms
Switch-off delay	$\leq$ 6 ms	Contact type	2 CO contacts forcibly guided (EN 61810-3 type B) (AgCuNi)
Mechanical service life	$>$ 50 x 10 <sup>6</sup> switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V

## General data

Rail	TS 35	Test button available	No
Mechanical switch position indicator	No	Colour	black
UL 94 flammability rating	V-1		

## Insulation coordination

Rated voltage	250	Pollution severity	2
Surge voltage category	III	Clearance and creepage distances for control side - load side	$\geq$ 10 mm
Dielectric strength for control side - load side	2.5 kV <sub>eff</sub> / 1 Min.	Dielectric strength of neighbouring contacts	2.5 kV <sub>eff</sub> / 1 Min.
Dielectric strength of open contact	1.5 kV <sub>eff</sub> / 1 min.	Impulse withstand voltage	6 kV (1.2/50 $\mu$ s)
Protection degree	IP20		

## Further details of approvals / standards

Standards	DIN EN 50205	Certificate no. (cURus) base	E223759
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## Connection data

Wire connection method	Screw connection	Stripping length, rated connection	8 mm
Clamping range, rated connection	2.5 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>	Blade size	size PH1

Creation date November 26, 2024 12:14:08 PM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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**Technical data****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**

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	fc45714a-dcf9-499e-b37b-5a6f61f2521f

**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>
Software	<a href="#">Library and function block – SISTEMA library 2.0</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

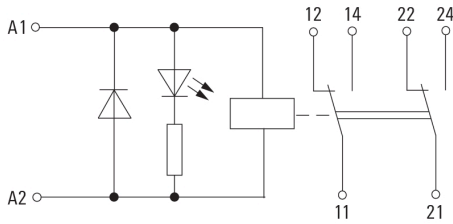
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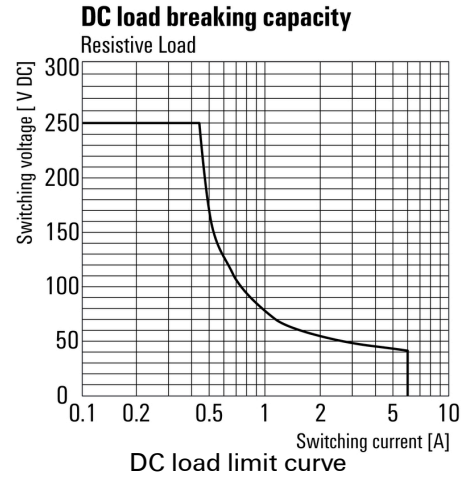
**Drawings**

**Wiring diagram**

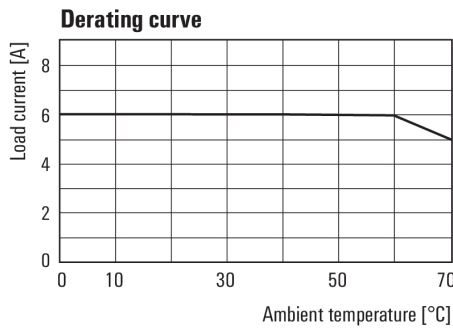


Connection diagram

**Graph**

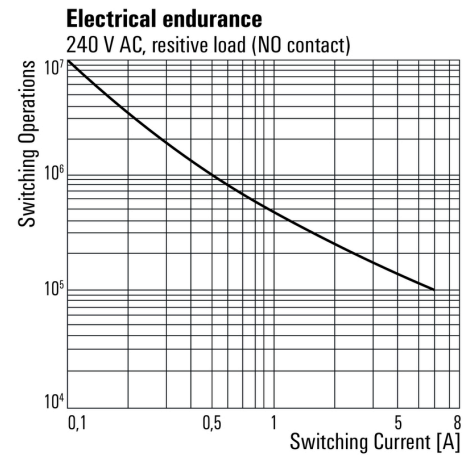


**Graph**

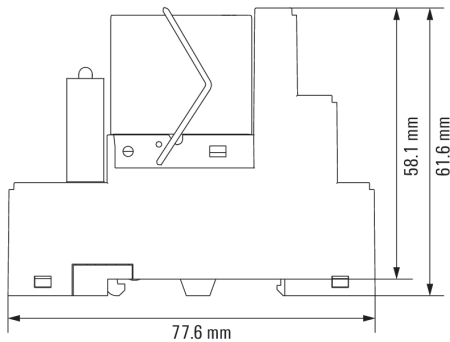


DC load limit curve

**Graph**



**Dimensional drawing**



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