

## RIDERSERIES FG RCIKIT 24VDC 2CO LD/FG

**Weidmüller Interface GmbH & Co. KG**  
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### Product image



- Coupling relay with positively driven contacts: for monitoring signals within safety-critical circuits
- Relays with positively driven contacts have a 99% diagnostics coverage and an excellent reputation for use in safety systems.
- The contacts interlock with each other in order to ensure a synchronous switching status between 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 melts from an overload).

### General ordering data

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

Creation date August 17, 2020 10:06:08 PM CEST

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**Technical data****Dimensions and weights**

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

**Temperatures**

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

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**Input**

Rated control voltage	24 V DC $\pm$ 10 %	Rated current DC	31.6 mA
Power rating	700 mW	Pull-in/drop-out voltage, typ.	18 V / 2.4 V DC
Coil resistance	720 $\Omega$ $\pm$ 10 %	Status indicator	Green LED
Protective circuit	Free-wheeling diode		

**Output**

Rated switching voltage	250 V AC	Max. switching voltage, DC	250 V
Continuous current	6 A	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
Min. switching power	1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V	Max. switching frequency at rated load	0.1 Hz

**Contact data**

Contact type	2 CO contact positively-driven (EN 61810-3 type B) (AgCuNi)	Mechanical service life	$> 50 \times 10^6$ switching cycles
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**General data**

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

**Insulation coordination**

Rated voltage	250	Surge voltage category	III
Pollution severity	2	Protection degree	IP20
Dielectric strength, Input/Output	2.5 kV <sub>eff</sub> / 1 Min.	Creepage and clearance distance input - output	$\geq$ 10 mm
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)		

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Catalogue status 14.08.2020 / We reserve the right to make technical changes.

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## Technical data

### Further details of approvals / standards

Standards	DIN EN 50205	Certificate no. (cURus) base	E223759
Certificate no. (cURus) LED / protection modules	E223759EVEREL		

### 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

### 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	UNSPSC	30-21-18-01

### Approvals

Approvals



ROHS Conform

### Downloads

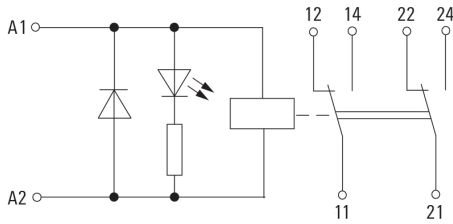
Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT 4.2 ELECTR 18/19 EN</a>
Engineering Data	<a href="#">EPLAN, SISTEMA, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>

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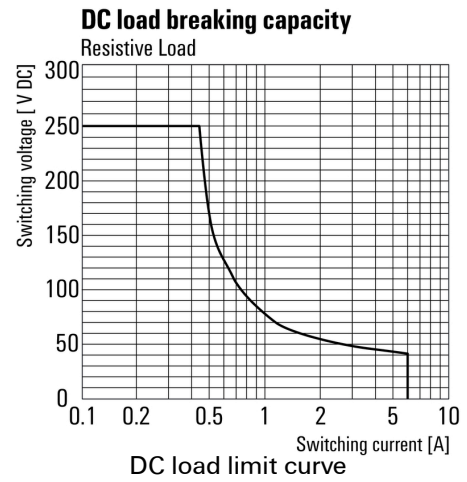
**Drawings**

**Wiring diagram**

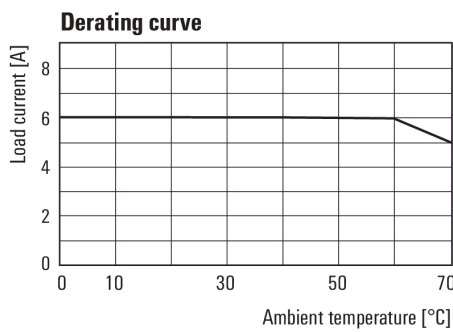


Connection diagram

**Graph**



**Graph**



DC load limit curve

**Dimensional drawing**

