

RIDERSERIES FG RCIKITZ 24VDC 2CO LD/FG

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
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www.weidmueller.com

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	RCIKITZ 24VDC 2CO LD/FG
Order No.	1218390000
Version	RIDERSERIES FG, Relay module with positively driven contacts, Number of contacts: 2 Contact positively-driven (EN 50205 type B) AgCuNi, Rated control voltage: 24 V DC $\pm 10\%$, Continuous current: 6 A, Tension-clamp connection
GTIN (EAN)	4050118002409
Qty.	10 pc(s).

Creation date May 2, 2020 2:35:04 PM CEST

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Technical data
Dimensions and weights

Width	16 mm	Width (inches)	0.63 inch
Height	98.1 mm	Height (inches)	3.862 inch
Depth	63.8 mm	Depth (inches)	2.512 inch
Net weight	67 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

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 Ω \pm 10 %	Status indicator	Green LED
Protective circuit	Free-wheeling diode		

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
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 Contact positively-driven (EN 50205 type B) (AgCuNi)	Mechanical service life	$>$ 50 x 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 _{eff} / 1 Min.	Creepage and clearance distance input - output	\geq 10 mm
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.	Dielectric strength of open contact	1.5 kV _{eff} / 1 min.
Impulse withstand voltage	6 kV (1.2/50 μ s)		

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Technical data
Further details of approvals / standards

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

Wire connection method	Tension-clamp connection	Stripping length, rated connection	8 mm
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	1.5 mm ²	Blade size	0.4 x 2.5 mm

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
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Downloads

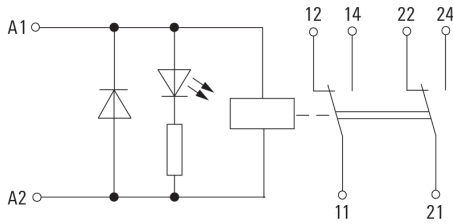
Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP

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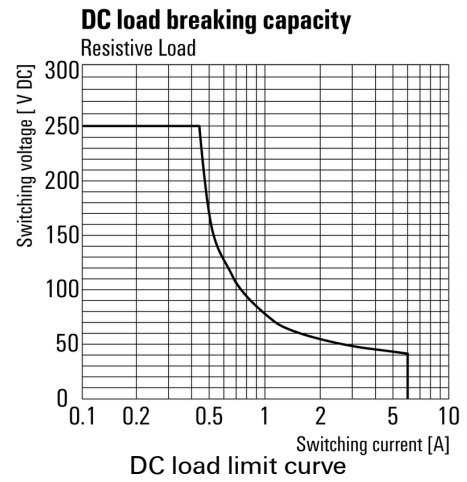
Drawings

Wiring diagram

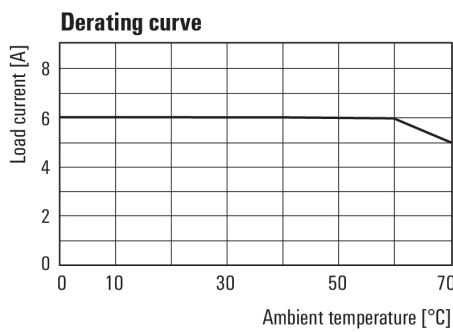


Connection diagram

Graph

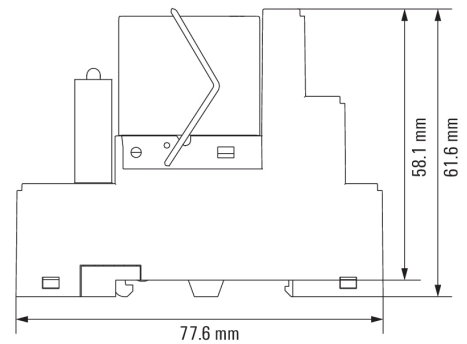


Graph



DC load limit curve

Dimensional drawing



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Accessories

Labelling clip



- Labelling clip for marking RIDERSERIES FG relay sockets
- Attachable individual markers (no MultiCard)
 - Attachable on the input levels of the relay socket
 - PrintJet printing is not possible
 - Labelling clip can be optionally pasted up with ESG ... K MultiCard

General ordering data

Type	SRC MARK	Version
Order No.	8693270000	RIDERSERIES FG, Label
GTIN (EAN)	4032248364725	
Qty.	10 pc(s).	

LED / free-wheel diode



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General ordering data

Type	RIM 2 6/24VDC GN	Version
Order No.	8713720000	RIDERSERIES FG, LED module with freewheel diode, Rated control
GTIN (EAN)	4032248389872	voltage: 6...24 V DC, Plug-in connection
Qty.	10 pc(s).	

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Accessories

Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip



General ordering data

Type	SDS 0.4X2.5X75	Version
Order No.	9009030000	Screwdriver, Blade width (B): 2.5 mm, Blade length: 75 mm, Blade thickness (A): 0.4 mm
GTIN (EAN)	4032248266944	
Qty.	1 pc(s).	

Slotted screwdriver

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip



General ordering data

Type	SDIS 0.4X2.5X75	Version
Order No.	9008370000	Screwdriver, Blade width (B): 2.5 mm, Blade length: 75 mm, Blade thickness (A): 0.4 mm
GTIN (EAN)	4032248056330	
Qty.	1 pc(s).	

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Accessories**Retaining clip**

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General ordering data

Type	SRC-I CLIP HM RCI	Version	
Order No.	1132090000		RIDERSERIES RCI, Retaining clip
GTIN (EAN)	4032248912209		
Qty.	20 pc(s).		