

RCIKITZ 24VDC 2CO LD/FG
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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 ± 10 %, Continuous current: 6 A, Tension-clamp connection
Order No.	1218390000
Type	RCIKITZ 24VDC 2CO LD/FG
GTIN (EAN)	4050118002409
Qty.	10 pc(s).
Relevant base	8783930000
Relevant relay	1218380000
Relevant rim module	8713720000

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Technical data

Dimensions and weights

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

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Control side

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

Load side

AC switching capacity (resistive), max.	1500 VA	Continuous current	6 A
DC switching capacity (resistive), max.	144 W @ 24 V	Inrush current	15 A / 20 ms
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, DC	250 V
Min. switching power	1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V	Rated switching voltage	250 V AC
Switch-off delay	≤ 6 ms	Switch-on delay	≤ 12 ms

Contact data

Contact type	2 CO contacts forcibly guided (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

Creepage and clearance distance input – output	≥ 10 mm	Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Dielectric strength of open contact	1.5 kV _{eff} / 1 min.	Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Impulse withstand voltage	6 kV (1.2/50 μ s)	Pollution severity	2
Protection degree	IP20	Rated voltage	250
Surge voltage category	III		

Further details of approvals / standards

Standards	DIN EN 50205	Certificate no. (cURus) base	E223759
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Creation date March 23, 2021 9:10:54 AM CET

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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	ECLASS 11.0	27-37-16-01

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S

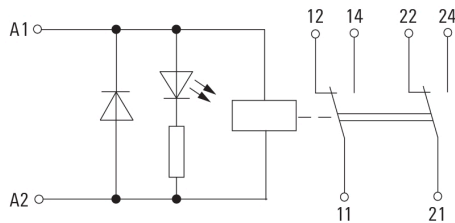
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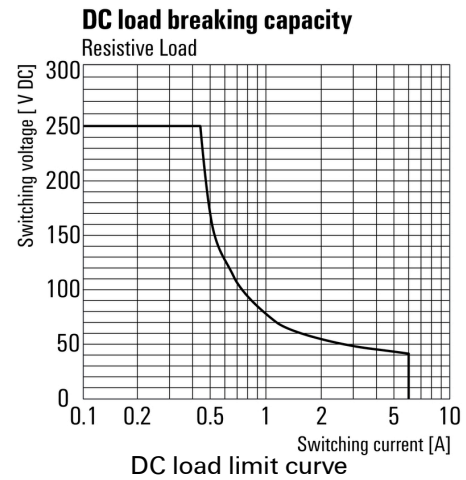
Drawings

Wiring diagram

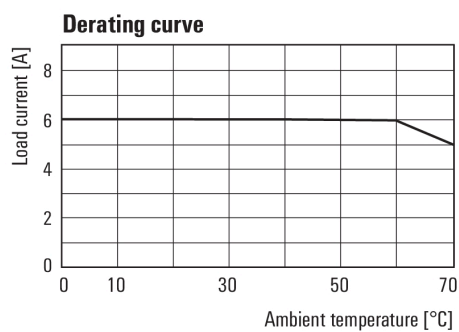


Connection diagram

Graph



Graph



DC load limit curve

Dimensional drawing

