

RIDERSERIES RCIKIT 24VDC 2CO LD/FG

Weidmüller Interface GmbH & Co. KG
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- 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.	1218410000
Version	RIDERSERIES, Relay module with positively driven contacts, No. of contacts: 2, CO contact, AgCuNi, Rated control voltage: 24 V DC, Continuous current: 6 A, Screw connection
GTIN (EAN)	4050118002416
Qty.	10 pc(s).

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Technische Daten

Dimensions and weights

Width	15.5 mm	Height	77 mm
Depth	62 mm	Net weight	60 g

Temperatures

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

Input

Coil resistance	720 Ω ± 10 %	Protective circuit	Integrated free-wheel diode
Pull-inrop-out current, typ.		Rated control voltage	24 V DC
Rated current DC	35.8 mA	Power rating	0.82 W
Pull-inrop-out typ.	18 V / 2.4 V DC	Status indicator	Green LED

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	Max. switching power	1500 VA
Switch-on delay	≤ 12 ms	Switch-off delay	≤ 6 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA	Max. switching frequency at rated load	20 Hz

Contact data

No. of contacts	2	Contact design	CO contact
Contact material	AgCuNi	Mechanical service life	> 50 x 10 ⁶ switching cycles

General data

Wire connection method	Screw connection	Humidity	40 °C / 95 % rel. humidity, no condensation
UL 94 flammability rating	V-1		

Insulation coordination

Creepage and clearance distance input - output	≥ 10 mm	Dielectric strength input - output	5 kV _{eff} / 1min
Dielectric strength, contact contact	4 kV _{eff} / 1 min	Rated voltage	250 V
Pollution severity	3	Surge voltage category	III

Other technical data

Protective circuit	Integrated free-wheel diode	Status indicator	Green LED
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Further details of approvals / standards

Standards	DIN EN 50205
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Technische Daten

Connection data

Clamping range, rated connection	2.5 mm ²	Clamping range, rated connection, max.	2.5 mm ²
Clamping range, rated connection, min.	0.5 mm ²	Wire connection method	Screw connection

Classifications

ETIM 3.0	EC001437	UNSPSC	30-21-18-01
eClass 5.1	27-37-16-01	eClass 6.2	27-37-16-01
eClass 7.1	27-37-16-01		

Approvals

Approvals



ROHS Conform

Downloads

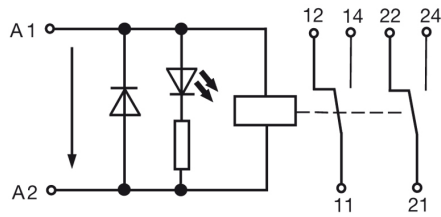
Software	SISTEMA Version 1.1.4 library status 09_2013
Declaration of Conformity	K354_09_10.pdf

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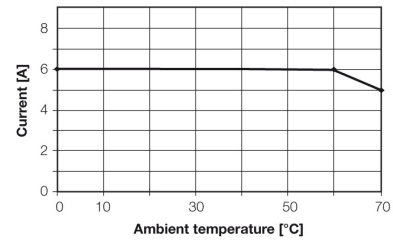
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Zeichnungen

DC version



Connection diagram



Derating curve