

**RIDERSERIES
RCI42424FG**

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	RCI42424FG
Order No.	1218380000
Version	RIDERSERIES, Relay with positively driven contacts, No. of contacts: 2, CO contact, AgCuNi, Rated control voltage: 24 V DC, Continuous current: 6 A
GTIN (EAN)	4050118001891
Qty.	12 pc(s).

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Technische Daten

Dimensions and weights

Width	12.7 mm	Height	30.2 mm
Depth	25.6 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 %	Pull-inrop-out current, typ.	
Rated control voltage	24 V DC	Rated current DC	33.3 mA
Power rating	0.82 W	Pull-inrop-out typ.	18 V / 2.4 V DC

Output

Max. switching voltage, AC	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

Humidity	40 °C / 95 % rel. humidity, no condensation
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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

Further details of approvals / standards

Standards	DIN EN 50205
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Classifications

ETIM 3.0	EC001437	eClass 5.1	27-37-16-01
eClass 6.2	27-37-16-01	eClass 7.1	27-37-16-01

Datenblatt

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Approvals

Approvals



ROHS

Conform