

**RIDERSERIES FG
RCI42424FG**

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	RCI42424FG
Order No.	1218380000
Version	RIDERSERIES FG, Relay with positively driven contacts, Number of contacts: 2 Contact positively-driven (EN 50205 type B) AgCuNi, Rated control voltage: 24 V DC, Continuous current: 6 A
GTIN (EAN)	4050118001891
Qty.	12 pc(s).

Creation date April 26, 2020 10:06:59 AM CEST

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Technical data
Dimensions and weights

Width	12.7 mm	Width (inches)	0.5 inch
Height	30.2 mm	Height (inches)	1.189 inch
Depth	25.6 mm	Depth (inches)	1.008 inch
Net weight	20.5 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		

Input

Rated control voltage	24 V DC	Rated current DC	29.2 mA
Power rating	700 mW	Pull-in/drop-out voltage, typ.	18 V / 2.4 V DC
Coil resistance	720 Ω ± 10 %		

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	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	≤ 12 ms	Switch-off delay	≤ 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	Transparent

Insulation coordination

Rated voltage	250	Surge voltage category	III
Pollution severity	2	Protection degree	IP20
Dielectric strength, Input/Output	5 kV _{eff} / 1 min	Creepage and clearance distance input – output	≥ 10 mm
Dielectric strength of neighbouring contacts	4 kV _{eff} / 1 min	Dielectric strength of open contact	1.5 kV _{eff} / 1 min.

Further details of approvals / standards

Standards	DIN EN 50205
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Data sheet

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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		

Approvals

Approvals



ROHS Conform

Downloads

Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN_WSCAD
Engineering Data	STEP

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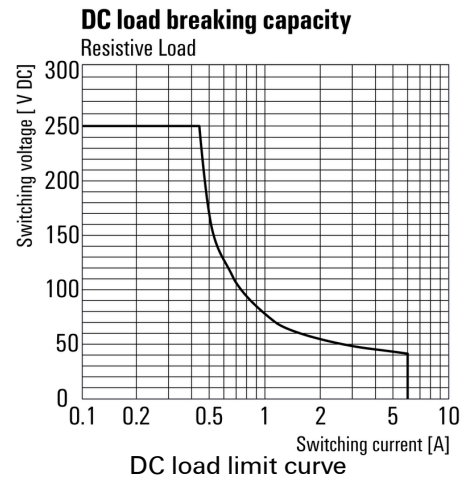
Drawings

Wiring diagram

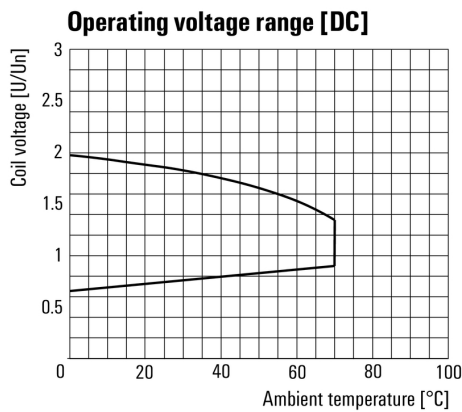


View of Pins from below

Graph



Graph



Dimensional drawing

