Product datasheet

Specification





Interface plug-in relay, 10 A, 1 CO, clear cover, 110 V DC

RXG15FD

! Discontinued on: 1 Nov 2020

! Discontinued

Main

Range Of Product	Harmony Relay
Series Name	Interface relay
Product Or Component Type	Plug-in relay
Device Short Name	RXG
Contacts Type And Composition	1 C/O

Complementary

Contacts Material	Silver alloy (AgSnO2ln2O3)	
Maximum Contact Resistance	100 mOhm	
[Ithe] Conventional Enclosed Thermal Current	10 A at -4055 °C	
[le] Rated Operational Current	10 A at 30 V (DC) conforming to UL 10 A at 30 V (DC) conforming to IEC 10 A at 250 V (AC) conforming to IEC 10 A at 250 V (AC) conforming to UL	
Maximum Switching Voltage	250 V AC 30 V DC	
Load Current	10 A at 250 V AC	
Maximum Switching Capacity	2500 VA	
Minimum Switching Capacity	500 mW at 100 mA, 5 V DC	
Operating Rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load	
Utilisation Coefficient	20 %	
Mechanical Durability	10000000 cycles	
Electrical Durability	100000 cycles for NO resistive load at 55 °C 100000 cycles for NC resistive load at 55 °C	
[Ui] Rated Insulation Voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL	
Dielectric Strength	1000 V AC between contacts with micro disconnection 5000 V AC between coil and contact with reinforced insulation	
Coil Resistance	22800 Ohm +/- 15 %	
Insulation Resistance	1000 MOhm at 500 V DC	
Test Levels	Level A group mounting	
Mounting Position	Any position	

Drop-Out Voltage Threshold	>= 0.1 Uc DC
Coil Insulation Class	Class F
Operate Time	20 ms
Release Time	20 ms
[Uc] Control Circuit Voltage	110 V DC
Safety Reliability Data	B10d = 100000
Colour Of Cover	Transparent
Torque Value	0.8 N.m
Net Weight	0.018 kg
Device Presentation	Complete product

Environment

Vibration Resistance	3 gn, amplitude = +/- 0.75 mm (f = 10150 Hz)in operation 5 gn, amplitude = +/- 0.75 mm (f = 10150 Hz)not in operation
Ip Degree Of Protection	IP40
Shock Resistance	20 gn in operation 100 gn not in operation
Protection Category	RTI
Standards	IEC 61810-1 CSA C22.2 No 14 UL 508
Product Certifications	CE UL CSA EAC
Pollution Degree	2
Overvoltage Category	III
Ambient Air Temperature For Storage	-4085 °C
Ambient Air Temperature For Operation	-4070 °C
Relative Humidity	1085 %

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1



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Transparency RoHS/REACh

Well-being performance

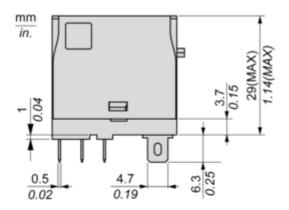
	Reach Free Of Svhc	
②	Toxic Heavy Metal Free	
⊘	Mercury Free	
	Rohs Exemption Information	Yes

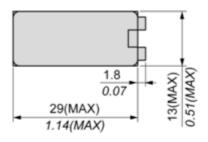
Certifications & Standards

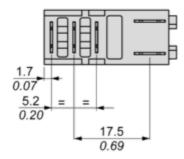
RoHS legal scope)

Dimensions Drawings

Dimensions

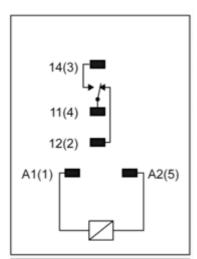






Connections and Schema

Wiring Diagram



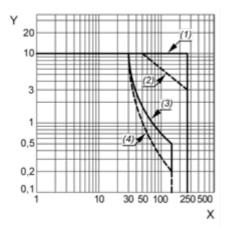
Product datasheet

RXG15FD

Performance Curves

Performance Curves

Maximum Switching Capacity



X: Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

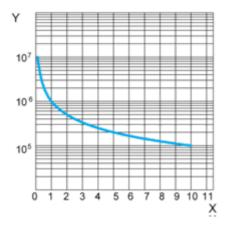
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

(4) DC Inductive Load (L/R=7ms)

Life Expectancy

Resistive Load



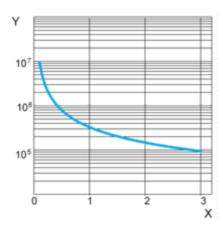
X: Contact Current (A)

Y: Operating Cycle Number

Life Expectancy

Inductive Load

1 Dec 2023



X: Contact Current (A)

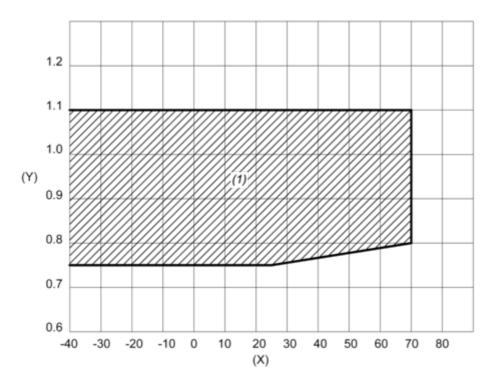
1 Dec 2023

Y: Operating Cycle Number

NOTE: These are typical curves, actual durability depends on load, environment, duty cycle, etc.

Coil Operating Range

DC Coil Operating Range VS Ambient Temperature



- X : Ambient temperature (°C)
- Y: Coil voltage (U/Uc)
- (1) Permitted operating range area