Product datasheet

Specifications





Harmony, Interface plug-in relay, 5 A, 2 CO, LED, 12 V DC

RXG23JD

! Discontinued on: 1 Nov 2020

① 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	d Composition 2 C/O	
[Ithe] Conventional Enclosed Thermal Current	5 A at -4055 °C	
Local Signalling	Flag	

Complementary

Status Led	With
[le] Rated Operational Current	5 A at 30 V (DC) conforming to UL 5 A at 30 V (DC) conforming to IEC 5 A at 250 V (AC) conforming to IEC 5 A at 250 V (AC) conforming to UL
Electrical Durability	100000 cycles for NO resistive load at 55 °C 100000 cycles for NC resistive load at 55 °C
Coil Resistance	270 Ohm +/- 10 %
Shock Resistance	20 gn in operation 100 gn not in operation
Mounting Position	Any position
[Uc] Control Circuit Voltage	12 V DC
Colour Of Cover	Standard
Drop-Out Voltage Threshold	>= 0.1 Uc DC
Load Current	5 A at 250 V AC
Minimum Switching Capacity	50 mW at 10 mA, 5 V DC
Maximum Switching Capacity	1250 VA
Torque Value	0.8 N.m
Insulation Resistance	1000 MOhm at 500 V DC
Mechanical Durability	10000000 cycles
Safety Reliability Data	B10d = 100000
Overvoltage Category	III
Maximum Switching Voltage	250 V AC 30 V DC

Protection Category	RTI	
Operating Rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load	
Utilisation Coefficient	20 %	
Pollution Degree	2	
[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 3000 V AC between poles with basic insulation	
Test Levels	evels Level A group mounting	
Device Presentation	Presentation Complete product	
Contacts Material	Material Silver alloy (AgSnO2In2O3)	
Net Weight	0.02 kg	

Environment

Standards	CSA C22.2 No 14 UL 508 IEC 61810-1	
Product Certifications	UL EAC CSA CE	
Ambient Air Temperature For Storage	-4085 °C	
Ambient Air Temperature For Operation	-4070 °C	
Ip Degree Of Protection	IP40	
Relative Humidity	1085 %	
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	

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

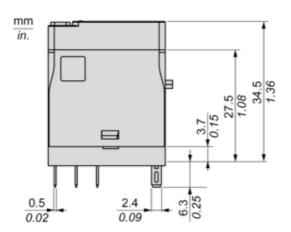
Ø	Reach Free Of Svhc	
②	Toxic Heavy Metal Free	
9	Mercury Free	
⊘	Rohs Exemption Information	Yes

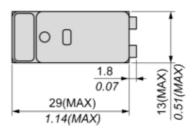
Certifications & Standards

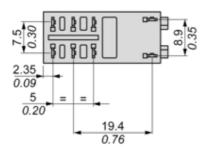
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations

Dimensions Drawings

Dimensions

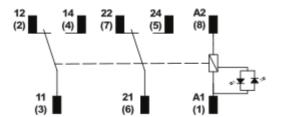






Connections and Schema

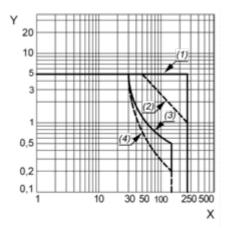
Wiring Diagram



Performance Curves

Performance Curves

Maximum Switching Capacity



X: Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

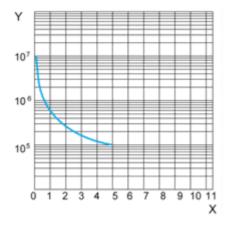
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

Life Expectancy

Resistive Load



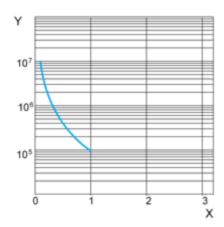
X: Contact Current (A)

Y: Operating Cycle Number

Life Expectancy

Inductive Load

RXG23JD

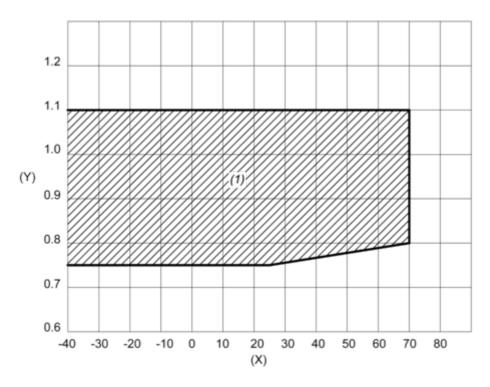


X : Contact Current (A)
Y : Operating Cycle Number

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