Product data sheet

Specification





Harmony, Interface plug-in relay, 5 A, 2 CO, LED, 110 V DC

RXG23FD

- ! Discontinued on: Oct 20, 2020
- ! End-of-service on: Jan 22, 2021

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	2 C/O	
[Ithe] Conventional Enclosed Thermal Current	5 A -40131 °F (-4055 °C)	
Local Signalling	alling Flag	

Complementary

Status Led	With	
[le] Rated Operational Current	5 A 30 V DC) UL 5 A 30 V DC) IEC 5 A 250 V AC) IEC 5 A 250 V AC) UL	
Electrical Durability	100000 cycles NO resistive at 55 °C 100000 cycles NC resistive at 55 °C	
Coil Resistance	22800 Ohm +/- 15 %	
Shock Resistance	20 gn in operation 100 gn not in operation	
Mounting Position	Any position	
[Uc] Control Circuit Voltage	110 V DC	
Colour Of Cover	Standard	
Drop-Out Voltage Threshold	>= 0.1 Uc DC	
Load Current	5 A 250 V AC	
Minimum Switching Capacity	50 mW 10 mA, 5 V DC	
Maximum Switching Capacity	1250 VA	
Torque Value	7.08 lbf.in (0.8 N.m)	
Contact Resistance	100 mOhm	
Insulation Resistance	1000 MOhm 500 V DC	
Electrical Insulation Class	Insulation Class Class F	
Mechanical Durability	10000000 cycles	
Safety Reliability Data B10d = 100000		

Operating Time	20 ms	
Reset Time	20 ms	
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		
Pollution Degree	2	
Utilisation Coefficient	20 %	
[Ui] Rated Insulation Voltage	250 V IEC 300 V CSA 300 V UL	
Dielectric Strength	1000 V AC between contacts micro disconnection 5000 V AC between coil and contact reinforced insulation 3000 V AC between poles basic insulation	
Test Levels	Level A group mounting	
Device Presentation	Complete product	
Contacts Material	Silver alloy (AgSnO2ln2O3)	
Net Weight	0.04 lb(US) (0.02 kg)	
Environment		
Standards	UL 508	

Standards	UL 508 CSA C22.2 No 14 IEC 61810-1	
Product Certifications	EAC UL CE CSA	
Ambient Air Temperature For Storage	-40185 °F (-4085 °C)	
Ambient Air Temperature For Operation	-40158 °F (-4070 °C)	
Ip Degree Of Protection	IP40	
Relative Humidity	1085 %	
Vibration Resistance	ration Resistance 3 gn +/- 0.75 mm 10150 Hz)in operation 5 gn +/- 0.75 mm 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	
Ø	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

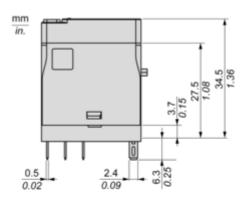
Certifications & Standards

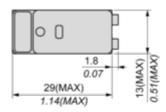
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations

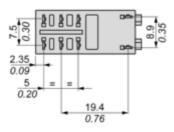
RXG23FD

Dimensions Drawings

Dimensions

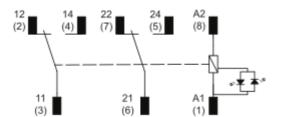






Connections and Schema

Wiring Diagram

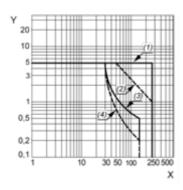


RXG23FD

Performance Curves

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

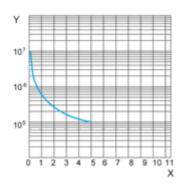
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

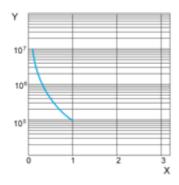


X: Contact Current (A)

Y: Operating Cycle Number

Life Expectancy

Inductive Load



X: Contact Current (A)

Y: Operating Cycle Number

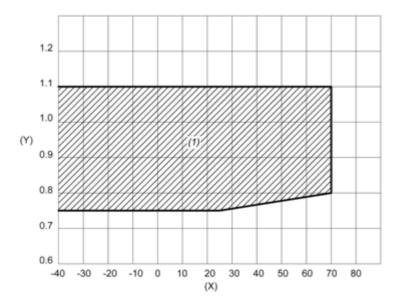
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NOTE: These are typical curves, actual durability depends on load, environment, duty cycle, etc.

Coil Operating Range

DC Coil Operating Range VS Ambient Temperature



 ${\bf X}$: Ambient temperature (°C)

Y: Coil voltage (U/Uc)

(1) Permitted operating range area