Product datasheet

Specifications





interface plug in relay, Harmony Electromechanical Relays, 5A, 2CO, with LED, 120V AC

RXG23F7

Main

Range Of Product	Harmony Electromechanical Relays	
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 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	6300 Ohm +/- 10 %	
Shock Resistance	20 gn in operation 100 gn not in operation	
Mounting Position	Any position	
Average Consumption In Va	0.82 VA 60 Hz	
Control Circuit Voltage Limits	0.81.1 Uc AC	
[Uc] Control Circuit Voltage	120 V AC 50/60 Hz	
Colour Of Cover	Standard	
Drop-Out Voltage Threshold	>= 0.3 Uc AC	
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	
Contact Resistance	100 mOhm	
Insulation Resistance	1000 MOhm at 500 V DC	
Electrical 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 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	Level A group mounting	
Device Presentation	Complete product	
Contacts Material	Silver alloy (AgSnO2In2O3)	
Net Weight	0.02 kg	

Environment

Standards	CSA C22.2 No 14 IEC 61810-1 UL 508	
Product Certifications	CE CSA UL EAC DNV-GL	
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
Package 1 Height	2.89 cm
Package 1 Width	1.27 cm
Package 1 Length	3.452 cm
Package 1 Weight	20.39 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	10

Package 2 Height	3.5 cm
Package 2 Width	8.3 cm
Package 2 Length	9.1 cm
Package 2 Weight	240 g
Unit Type Of Package 3	S01
Number Of Units In Package 3	200
Package 3 Height	15 cm
Package 3 Width	15 cm
Package 3 Length	40 cm
Package 3 Weight	4.63 kg



Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

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

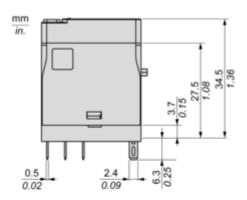
Certifications & Standards

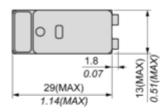
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations

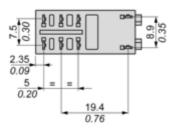
RXG23F7

Dimensions Drawings

Dimensions





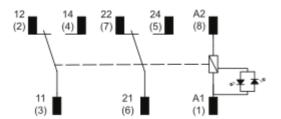


Product datasheet

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Connections and Schema

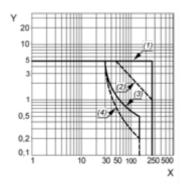
Wiring Diagram



Performance Curves

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

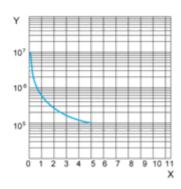
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

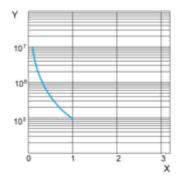


X: Contact Current (A)

Y: Operating Cycle Number

Life Expectancy

Inductive Load



X: Contact Current (A)

Y : Operating Cycle Number

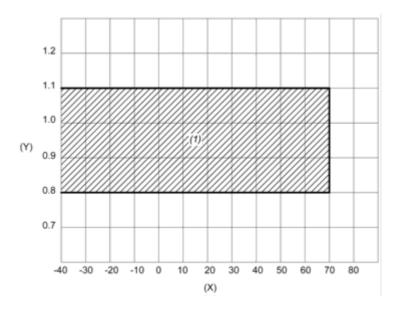
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NOTE: These are typical curves, actual durability depends on load, environment, duty cycle, etc.

Coil Operating Range

AC Coil Operating Range VS Ambient Temperature



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