Specifications





interface plug in relay, Harmony Electromechanical Relays, 10A, 1CO, with LED, lockable test but to n, 48V DC

RXG12ED

(!) To be discontinued on: Aug 15, 2024

Product availability: Non-Stock - Not normally stocked in distribution facility

### Price\*: 10.80 USD

### 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	1 C/O	
[Ithe] Conventional Enclosed Thermal Current	10 A -40131 °F (-4055 °C)	
Local Signalling	Flag	

### Complementary

Status Led	With	
[le] Rated Operational Current	10 A 30 V DC) UL 10 A 30 V DC) IEC 10 A 250 V AC) IEC 10 A 250 V AC) UL	
Electrical Durability	100000 cycles NO resistive at 55 °C 100000 cycles NC resistive at 55 °C	
Coil Resistance	4400 Ohm +/- 10 %	
Shock Resistance	20 gn in operation 100 gn not in operation	
Mounting Position	Any position	
[Uc] Control Circuit Voltage	48 V DC	
Colour Of Cover	Standard	
Drop-Out Voltage Threshold	>= 0.1 Uc DC	
Load Current	10 A 250 V AC	
Minimum Switching Capacity	500 mW at 100 mA, 5 V DC	
Maximum Switching Capacity	2500 VA	
Control Type	Lockable test button	
Torque Value	7.08 lbf.in (0.8 N.m)	
Contact Resistance	100 mOhm	

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Insulation Resistance   1000 MOhm at 500 V DC     Electrical Insulation Class   Class F     Mechanical Durability   1000000 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   RT I     Operating Rate   <= 1800 cycles/hour under load <= 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 with micro disconnection 5000 V AC between coil and contact with reinforced insulation     Test Levels   Level A group mounting     Device Presentation   Complete product     Contacts Material   Silver alloy (AgSnO2In2O3)			
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30 V DC     Protection Category   RT I     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 with micro disconnection     5000 V AC between coil and contact with reinforced insulation     Test Levels   Level A group mounting     Device Presentation   Complete product     Contacts Material   Silver alloy (AgSnO2ln2O3)	vervoltage Category	III	
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Device Presentation Complete product   Contacts Material Silver alloy (AgSnO2In2O3)	electric Strength		
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	evice Presentation	Complete product	
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Net Weight 0.04 lb(US) (0.02 kg)	et Weight	0.04 lb(US) (0.02 kg)	

### Environment

Standards	CSA C22.2 No 14 IEC 61810-1 UL 508	
Product Certifications	CSA CE EAC UL DNV-GL	
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	3 gn +/- 0.75 mm 10150 Hz)in operation 5 gn +/- 0.75 mm 10150 Hz)not in operation	

# Ordering and shipping details

Category	US10CP221127	
Discount Schedule	0CP2	
Gtin	3606480688744	
Returnability	No	
Country Of Origin	CN	

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.36 in (3.45 cm)
Package 1 Width	3.64 in (9.25 cm)
Package 1 Length	3.39 in (8.6 cm)
Package 1 Weight	8.04 oz (228 g)

### Sustainability Screen Premium

**Green Premium<sup>TM</sup> 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-CO<sub>2</sub> 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

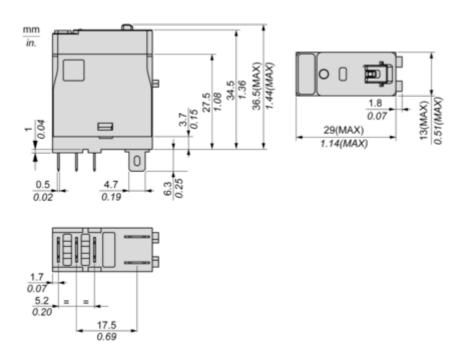
Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes

### **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
California Proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

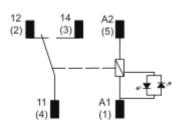
**Dimensions Drawings** 

#### Dimensions



Connections and Schema

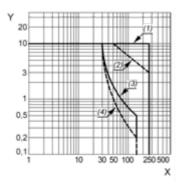
### Wiring Diagram



### Performance Curves

#### Performance Curves

### **Maximum Switching Capacity**

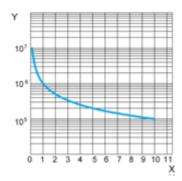


X : Switching voltage (V)

- Y : Switching current (A)
- (1) AC Resistive Load
- (2) AC Inductive Load  $\cos(\emptyset)=0.4$
- (3) DC Resistive Load
- (4) DC Inductive Load (L/R=7ms)

#### Life Expectancy

Resistive Load

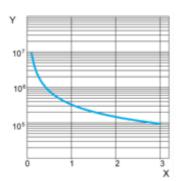


X : Contact Current (A)

#### Y: Operating Cycle Number

#### Life Expectancy

Inductive Load



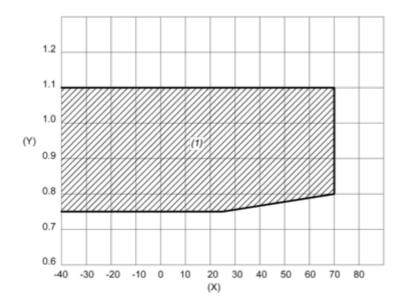
X : Contact Current (A)

Y: Operating Cycle Number

**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