Specifications





(!) Discontinued

# Interface plug-in relay, 5 A, 2 CO, clear cover, 12 V DC

RXG25JD

() Discontinued on: Oct 20, 2020

(!) End-of-service on: Jan 22, 2021

#### Main

Harmony Relay
Interface relay
Plug-in relay
RXG
2 C/O
5 A -40131 °F (-4055 °C)

## Complementary

Complementary	
[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	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	Transparent
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	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 (AgSnO2In2O3)
Net Weight	0.04 lb(US) (0.018 kg)

## Environment

Standards	UL 508 CSA C22.2 No 14 IEC 61810-1
Product Certifications	EAC CE UL 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	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
Package 1 Height	1.40 in (3.55 cm)
Package 1 Width	0.51 in (1.3 cm)
Package 1 Length	1.14 in (2.9 cm)
Package 1 Weight	0.79 oz (22.4 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

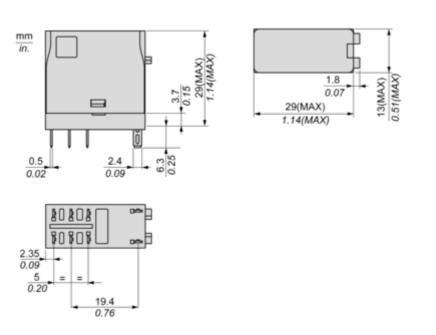
Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes

### **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

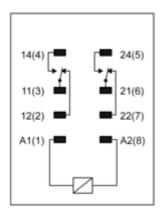
**Dimensions Drawings** 

#### Dimensions



Connections and Schema

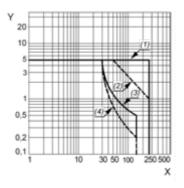
#### Wiring Diagram



#### Performance Curves

#### Performance Curves

#### **Maximum Switching Capacity**

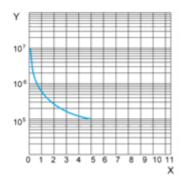


X : Switching voltage (V)

- 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

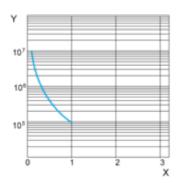


X : Contact Current (A)

#### Y : Operating Cycle Number

#### Life Expectancy

Inductive Load



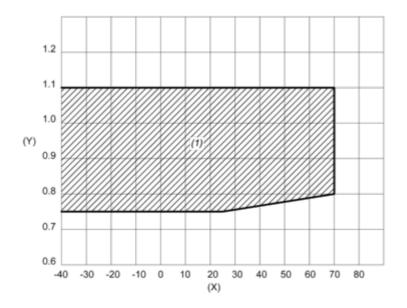
X : Contact Current (A)

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