# **Product data sheet**

Specification





# Interface plug-in relay, 10 A, 1 CO, LED, 220 V AC

RXG13M7

- ! Discontinued on: Dec 2, 2020
- ! End-of-service on: Dec 31, 2020

① Discontinued

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

### Main

Daniel Of Decident		
Range Of Product	Harmony Relay	
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	osed 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	21000 Ohm +/- 15 %
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	220 V AC 50/60 Hz
Colour Of Cover	Standard
Drop-Out Voltage Threshold	>= 0.3 Uc AC
Load Current	10 A 250 V AC
Minimum Switching Capacity	500 mW at 100 mA, 5 V DC
Maximum Switching Capacity	2500 VA
Torque Value	7.08 lbf.in (0.8 N.m)
Insulation Resistance	1000 MOhm at 500 V DC
Mechanical Durability	10000000 cycles
Safety Reliability Data	B10d = 100000

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

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 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)	
Net Weight	0.04 lb(US) (0.02 kg)	

## **Environment**

Standards	IEC 61810-1 UL 508 CSA C22.2 No 14
Product Certifications	CE EAC CSA 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	00785901956457	
Returnability	No	
Country Of Origin	CN	

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

## **Contractual warranty**

Warranty 18 months



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**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

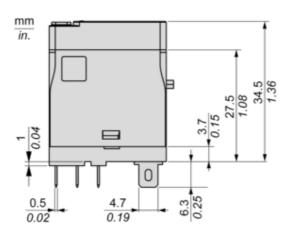
<b>⊘</b>	Reach Free Of Svhc	
<b>②</b>	Toxic Heavy Metal Free	
<b>②</b>	Mercury Free	
<b>②</b>	Rohs Exemption Information	Yes

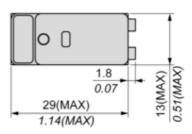
## **Certifications & Standards**

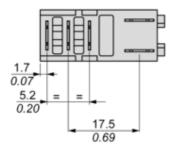
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
California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





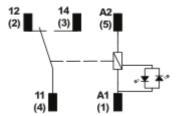


## **Product data sheet**

## RXG13M7

Connections and Schema

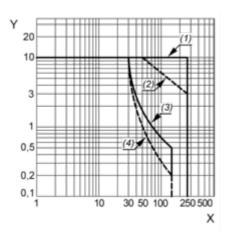
## Wiring Diagram



#### Performance Curves

## **Performance Curves**

## **Maximum Switching Capacity**



X: Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

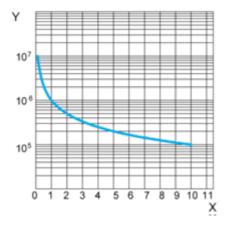
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

#### Life Expectancy

Resistive Load



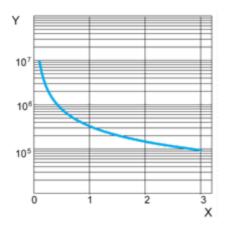
X: Contact Current (A)

Y: Operating Cycle Number

#### Life Expectancy

Inductive Load

## **RXG13M7**

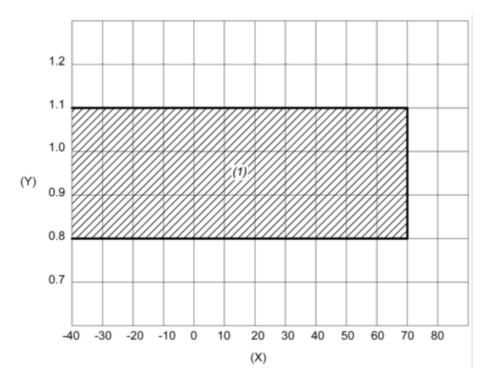


X : Contact Current (A)
Y : Operating Cycle Number

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

## **Coil Operating Range**

### **AC Coil Operating Range VS Ambient Temperature**



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