Specifications





# Interface plug-in relay, 10 A, 1 CO, lockable test button, 48 V AC

RXG11E7

() Discontinued on: 01-Nov-2020

(!) End-of-service on: 11-Jul-2022

Main

in and	
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	10 A at -4055 °C
Local Signalling	Flag

## Complementary

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Status Led	Without
[le] Rated Operational Current	10 A at 30 V (DC) conforming to UL 10 A at 30 V (DC) conforming to IEC 10 A at 250 V (AC) conforming to IEC 10 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	1100 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	48 V AC 50/60 Hz
Colour Of Cover	Standard
Drop-Out Voltage Threshold	>= 0.3 Uc AC
Load Current	10 A at 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	0.8 N.m
Contact Resistance	100 mOhm
Insulation Resistance	1000 MOhm at 500 V DC

Class F
1000000 cycles
B10d = 100000
20 ms
20 ms
111
250 V AC 30 V DC
RTI
<= 1800 cycles/hour under load <= 18000 cycles/hour no-load
2
20 %
250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL
1000 V AC between contacts with micro disconnection 5000 V AC between coil and contact with reinforced insulation
Level A group mounting
Complete product
Silver alloy (AgSnO2In2O3)

## Environment

Standards	UL 508 CSA C22.2 No 14 IEC 61810-1
Product Certifications	EAC UL CSA CE 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**

<u></u>	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

## 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

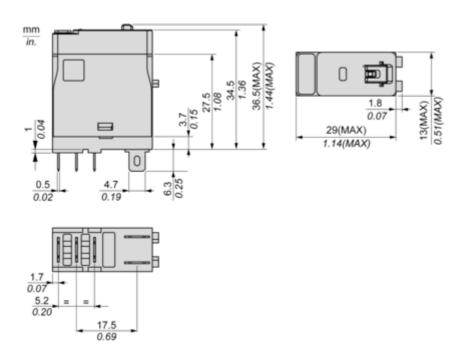
Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes

### **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

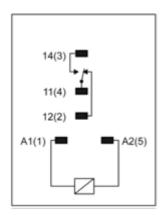
**Dimensions Drawings** 

#### Dimensions



Connections and Schema

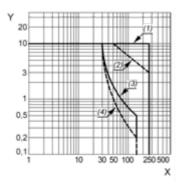
#### Wiring Diagram



#### Performance Curves

#### Performance Curves

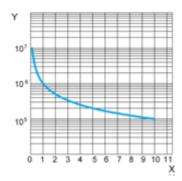
#### **Maximum Switching Capacity**



- 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

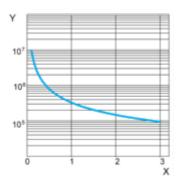
Resistive Load



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

#### Life Expectancy

Inductive Load



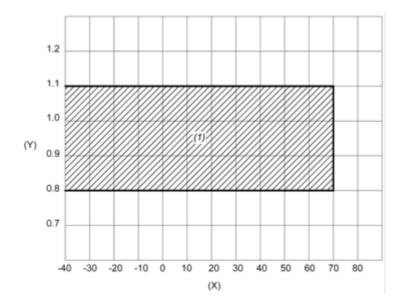
X : Contact Current (A)

Y: Operating Cycle Number

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

#### Coil Operating Range

#### AC Coil Operating Range VS Ambient Temperature



X : Ambient temperature (°C)

Y: Coil voltage (U/Uc)

(1) Permitted operating range area