

# Interface plug-in relay, 5 A, 2 CO, lockable test button, 48 V AC

Local distributor code:

403006177 RXG21E7

EAN Code: 3606480689000

#### Main

Range of product	Harmony Electromechanical Relays
Series name	RXG series
Product or component type	Plug-in relay
Relay type	Interface relay
Contacts type and composition	2 C/O
[Uc] control circuit voltage	48 V AC
[Ithe] conventional enclosed thermal current	5 A at -4055 °C
Local signalling	Flag

#### Complementary

Complementary		
Status LED	Without	
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL	
Maximum switching voltage	250 V AC 30 V DC	
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	
Control type	Lockable test button	
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 rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load	
Utilisation coefficient	20 %	
Operating time	20 ms	
Reset time	20 ms	
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	

Overvoltage category	III
Protection category	RTI
pollution degree	2
Test levels	Level A group mounting
Device presentation	Complete product
Contacts material	Silver alloy (AgSnO2In2O3)
Shape of pin	Flat (faston type)
Net weight	0.02 kg

# **Environment**

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

•	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.100 cm
Package 1 Width	1.400 cm
Package 1 Length	3.100 cm
Package 1 Weight	20.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.500 cm
Package 2 Width	8.200 cm
Package 2 Length	9.100 cm
Package 2 Weight	227.000 g
Unit Type of Package 3	S01
Number of Units in Package 3	200
Package 3 Height	15.000 cm
Package 3 Width	15.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	4.936 kg

# **Logistical informations**

Country of origin

CN

# **Contractual warranty**

Warranty

24 Apr 2025

18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	9
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

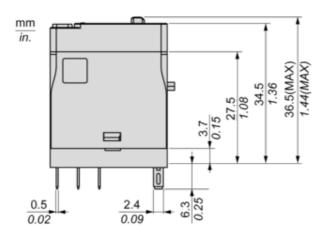
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration

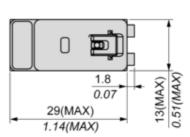
#### **Use Again**

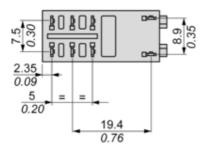
○ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No

#### **Dimensions Drawings**

#### **Dimensions**

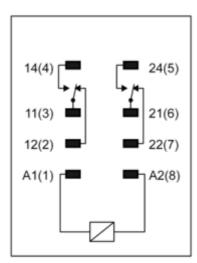






Connections and Schema

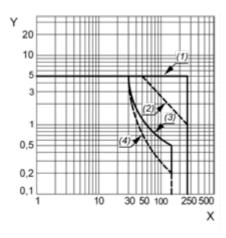
## Wiring Diagram



#### Performance Curves

#### **Performance Curves**

#### **Maximum Switching Capacity**



X: Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

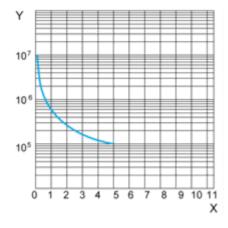
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

#### Life Expectancy

Resistive Load



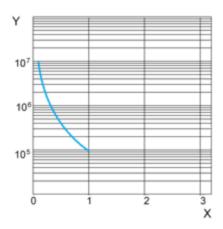
X : Contact Current (A)
Y : Operating Cycle Number

# Life Expectancy

Inductive Load

# **Product datasheet**

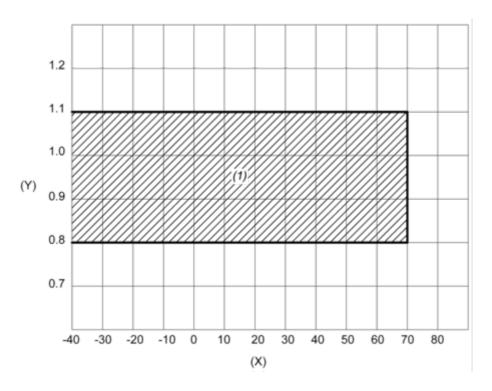
# **RXG21E7**



- 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

## **Technical Illustration**

## **Dimensions**

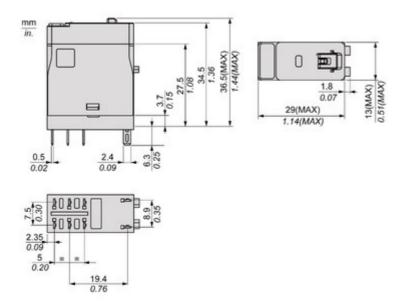
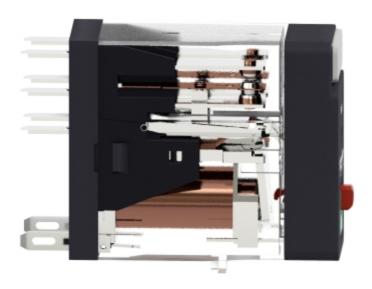


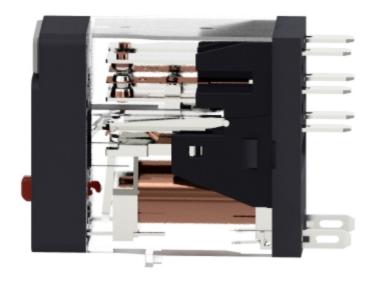
Image of product / Alternate images

**Alternative** 













13