# **Product datasheet**

Specification





# Interface plug-in relay, 10 A, 1 CO, LED, 48 V DC

RXG13ED

! Discontinued on: Oct 20, 2020 AD

① Discontinued

#### Main

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

Status Led	With	
[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	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 at 250 V AC	
Minimum Switching Capacity	500 mW at 100 mA, 5 V DC	
Maximum Switching Capacity	2500 VA	
Torque Value	0.8 N.m	
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 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	on Degree 2	
Utilisation Coefficient	coefficient 20 %	
[Ui] Rated Insulation Voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to 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	0.02 kg	
Environment		
Standards	UL 508	

Standards	UL 508 CSA C22.2 No 14 IEC 61810-1	
Product Certifications	CSA UL EAC CE	
Ambient Air Temperature For Storage	-4085 °C	
Ambient Air Temperature For Operation	-4070 °C	
Ip Degree Of Protection	otection 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



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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.

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Transparency RoHS/REACh

#### Well-being performance

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

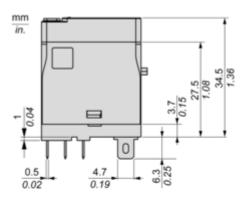
#### **Certifications & Standards**

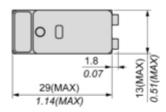
REACh Declaration
Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China RoHS declaration
Product Environmental Profile
No need of specific recycling operations

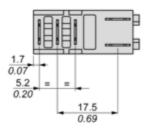
#### **RXG13ED**

#### **Dimensions Drawings**

#### **Dimensions**



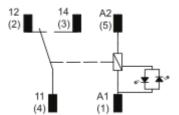




### **RXG13ED**

Connections and Schema

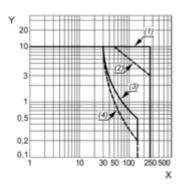
#### Wiring Diagram



#### Performance Curves

#### **Performance Curves**

#### **Maximum Switching Capacity**



X : Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

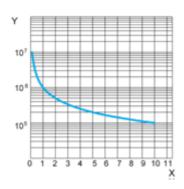
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

#### Life Expectancy

Resistive Load

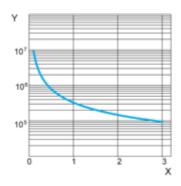


X: Contact Current (A)

Y: Operating Cycle Number

#### Life Expectancy

Inductive Load



X: Contact Current (A)

Y: Operating Cycle Number

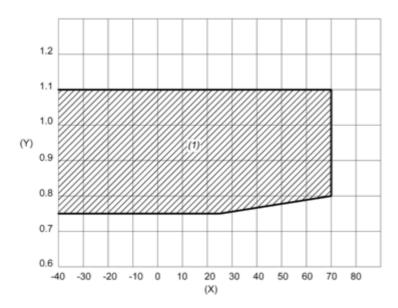
### **Product datasheet**

#### **RXG13ED**

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

#### **Coil Operating Range**

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



 ${\bf X}$  : Ambient temperature (°C)

Y: Coil voltage (U/Uc)

(1) Permitted operating range area