# **Product datasheet**

Specification





# Harmony, Interface plug-in relay, 10 A, 1 CO, clear cover, 48 V DC

RXG15ED

! Discontinued on: 20 Oct 2020

! 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

### Complementary

Complementary		
[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	rol Circuit Voltage 48 V DC	
Colour Of Cover	Transparent	
Prop-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	

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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 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 (AgSnO2ln2O3)	
Net Weight	0.018 kg	
Environment		

Standards	UL 508 IEC 61810-1 CSA C22.2 No 14	
Product Certifications	CE CSA UL EAC	
Ambient Air Temperature For Storage	-4085 °C	
Ambient Air Temperature For Operation		
Ip Degree Of Protection	IP40	
Relative Humidity	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.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

# Well-being performance

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

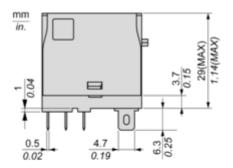
#### **Certifications & Standards**

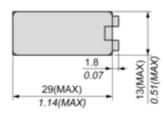
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations

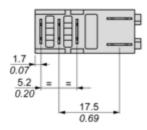
# **RXG15ED**

# **Dimensions Drawings**

#### **Dimensions**





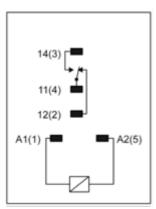


# **Product datasheet**

# **RXG15ED**

Connections and Schema

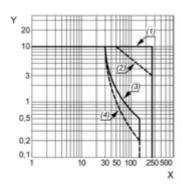
# Wiring Diagram



#### Performance Curves

# **Performance Curves**

#### **Maximum Switching Capacity**



X : Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

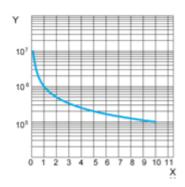
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

#### Life Expectancy

Resistive Load

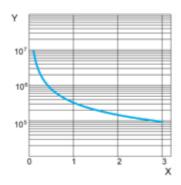


X: Contact Current (A)

Y: Operating Cycle Number

#### Life Expectancy

Inductive Load



X: Contact Current (A)

Y: Operating Cycle Number

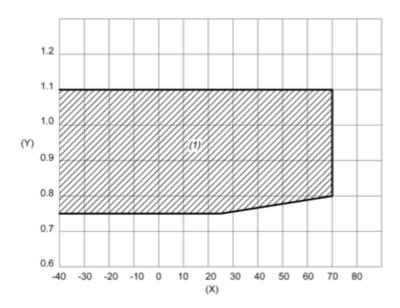
# **Product datasheet**

# **RXG15ED**

**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