

# Product data sheet

Specifications



interface plug in relay, Harmony Electromechanical Relays, 10A, 1CO, with LED, lockable test but to n, 24V DC

RXG12BD

Product availability: Stock - Normally stocked in distribution facility

Price\*: 7.20 USD

## Main

Range Of Product	Harmony Electromechanical Relays
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 -40...131 °F (-40...55 °C)
Local Signalling	Flag

## Complementary

Status Led	With
[Ie] 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	1100 Ohm +/- 10 %
Shock Resistance	20 gn in operation 100 gn not in operation
Mounting Position	Any position
[Uc] Control Circuit Voltage	24 V DC
Colour Of Cover	Standard
Drop-Out Voltage Threshold	>= 0.1 Uc DC
Load Current	10 A 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	7.08 lbf.in (0.8 N.m)
Contact Resistance	100 mOhm
Insulation Resistance	1000 MOhm at 500 V DC
Electrical Insulation Class	Class F

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

<b>Mechanical Durability</b>	10000000 cycles
<b>Safety Reliability Data</b>	B10d = 100000
<b>Operating Time</b>	20 ms
<b>Reset Time</b>	20 ms
<b>Overvoltage Category</b>	III
<b>Maximum Switching Voltage</b>	250 V AC 30 V DC
<b>Protection Category</b>	RT I
<b>Operating Rate</b>	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load
<b>Pollution Degree</b>	2
<b>Utilisation Coefficient</b>	20 %
<b>[Ui] Rated Insulation Voltage</b>	250 V IEC 300 V CSA 300 V UL
<b>Dielectric Strength</b>	1000 V AC between contacts with micro disconnection 5000 V AC between coil and contact with reinforced insulation
<b>Test Levels</b>	Level A group mounting
<b>Device Presentation</b>	Complete product
<b>Contacts Material</b>	Silver alloy (AgSnO2In2O3)
<b>Net Weight</b>	0.04 lb(US) (0.02 kg)

## Environment

<b>Standards</b>	IEC 61810-1 CSA C22.2 No 14 UL 508
<b>Product Certifications</b>	CSA CE EAC UL DNV-GL
<b>Ambient Air Temperature For Storage</b>	-40...185 °F (-40...85 °C)
<b>Ambient Air Temperature For Operation</b>	-40...158 °F (-40...70 °C)
<b>Ip Degree Of Protection</b>	IP40
<b>Relative Humidity</b>	10...85 %
<b>Vibration Resistance</b>	3 gn +/- 0.75 mm 10...150 Hz)in operation 5 gn +/- 0.75 mm 10...150 Hz)not in operation

## Ordering and shipping details

<b>Category</b>	US10CP221127
<b>Discount Schedule</b>	0CP2
<b>Gtin</b>	3606480688737
<b>Returnability</b>	Yes
<b>Country Of Origin</b>	US

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
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<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	1.14 in (2.89 cm)
<b>Package 1 Width</b>	0.50 in (1.27 cm)
<b>Package 1 Length</b>	1.36 in (3.452 cm)
<b>Package 1 Weight</b>	0.74 oz (20.87 g)
<b>Unit Type Of Package 2</b>	BB1
<b>Number Of Units In Package 2</b>	10
<b>Package 2 Height</b>	1.36 in (3.45 cm)
<b>Package 2 Width</b>	3.60 in (9.15 cm)
<b>Package 2 Length</b>	3.23 in (8.2 cm)
<b>Package 2 Weight</b>	14.42 oz (408.7 g)
<b>Unit Type Of Package 3</b>	S01
<b>Number Of Units In Package 3</b>	200
<b>Package 3 Height</b>	5.91 in (15 cm)
<b>Package 3 Width</b>	5.91 in (15 cm)
<b>Package 3 Length</b>	15.75 in (40 cm)
<b>Package 3 Weight</b>	9.76 lb(US) (4.426 kg)

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class 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**

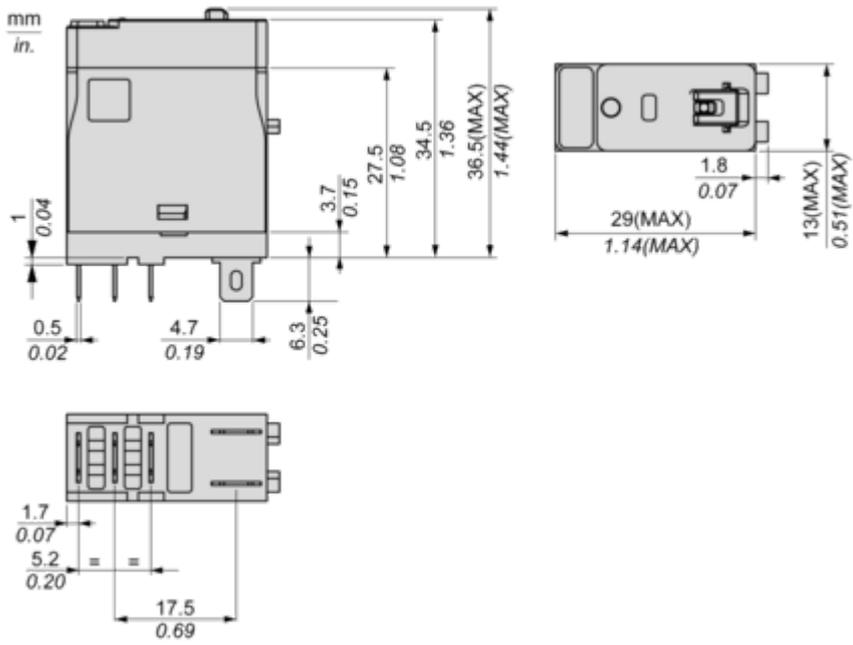
No need of specific recycling operations

**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](http://www.P65Warnings.ca.gov)

Dimensions Drawings

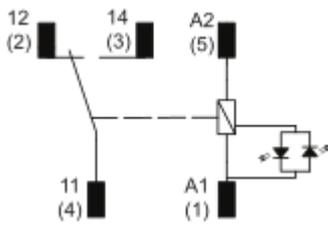
Dimensions



Connections and Schema

Wiring Diagram

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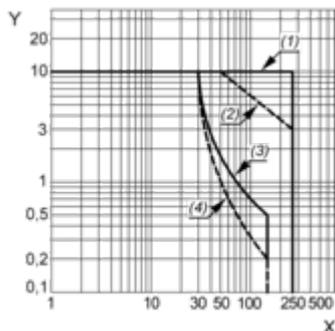


Performance Curves

Performance Curves

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Maximum Switching Capacity



X : Switching voltage (V)

Y : Switching current (A)

(1) AC Resistive Load

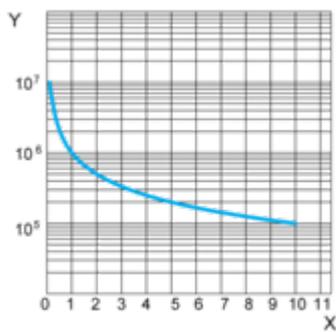
(2) AC Inductive Load  $\cos(\phi)=0.4$

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

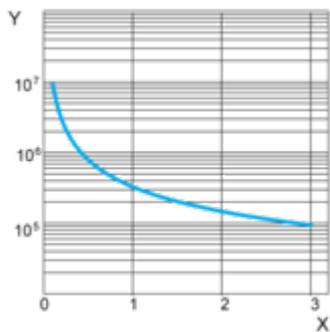


X : Contact Current (A)

Y : Operating Cycle Number

Life Expectancy

Inductive Load



X : Contact Current (A)

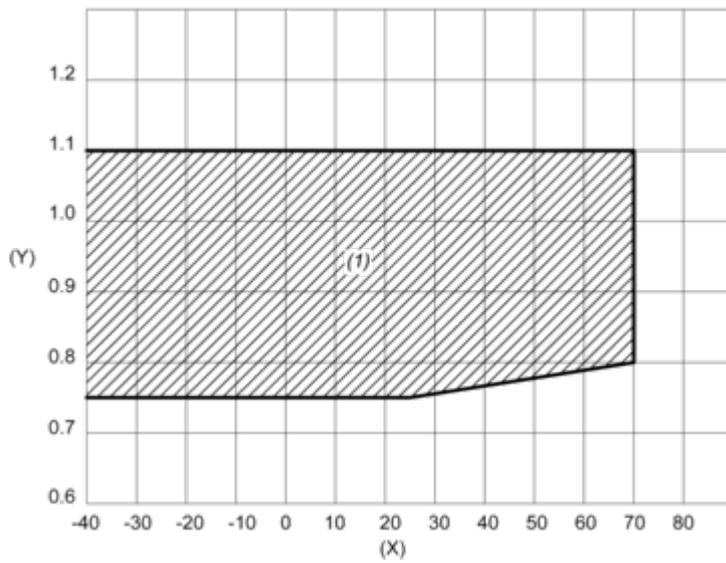
Y : Operating Cycle Number

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

Coil Operating Range

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DC Coil Operating Range VS Ambient Temperature



X : Ambient temperature (°C)

Y : Coil voltage (U/Uc)

(1) Permitted operating range area