

# Product data sheet

Specifications



interface plug in relay, Harmony Electromechanical Relays, 5A, 2CO, with LED, lockable test but to n, 48V DC

RXG22ED

Product availability: Non-Stock - Not normally stocked in distribution facility

**Price\*: 12.63 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	2 C/O
[Ithe] conventional enclosed thermal current	5 A -40...131 °F (-40...55 °C)
Local signalling	Flag

## Complementary

Status LED	With
[Ie] rated operational current	5 A 30 V DC) UL 5 A 30 V DC) IEC 5 A 250 V AC) IEC 5 A 250 V AC) UL
Electrical durability	100000 cycles NO resistive at 55 °C 100000 cycles NC resistive 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	5 A 250 V AC
Minimum switching capacity	50 mW at 10 mA, 5 V DC
Maximum switching capacity	1250 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 3000 V AC between poles with basic 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>	CSA C22.2 No 14 IEC 61810-1 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>	3606480689185
<b>Returnability</b>	No
<b>Country of origin</b>	CN

## 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>	1.36 in (3.45 cm)
<b>Package 1 Width</b>	3.64 in (9.25 cm)
<b>Package 1 Length</b>	3.39 in (8.6 cm)
<b>Package 1 Weight</b>	7.9 oz (225 g)

## 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 >](#)

[How we assess product sustainability >](#)



Transparency

## Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

**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](#)

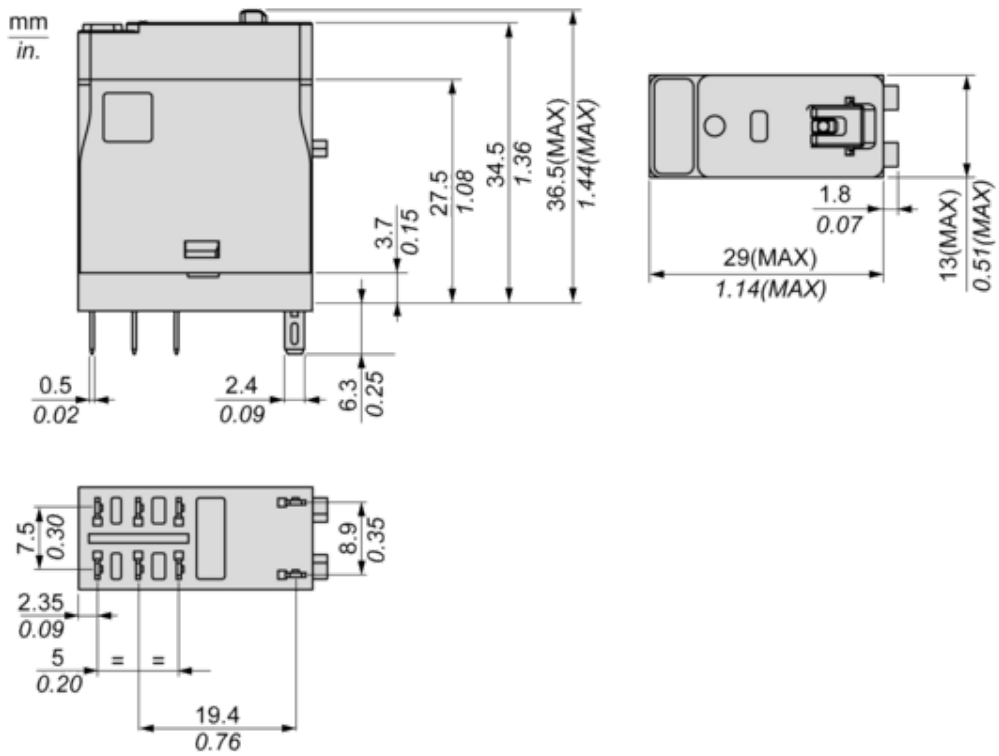
**Environmental Disclosure** [Product Environmental Profile](#)

**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

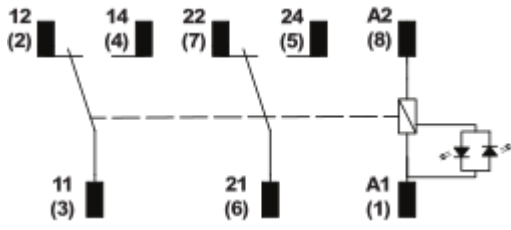
Dimensions



Connections and Schema

Wiring Diagram

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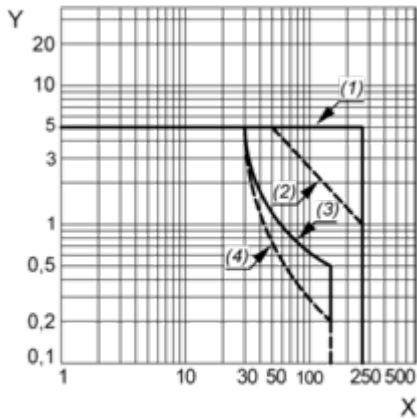


Performance Curves

Performance Curves

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Maximum Switching Capacity



X : Switching voltage (V)

Y : Switching current (A)

(1) AC Resistive Load

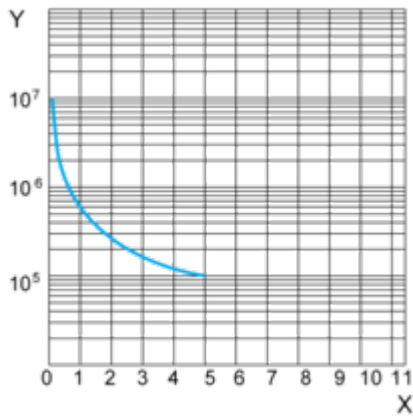
(2) AC Inductive Load  $\cos(\phi)=0.4$

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

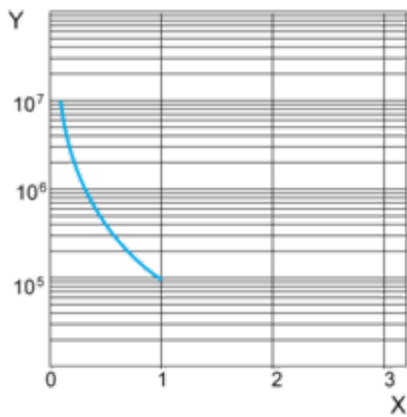


X : Contact Current (A)

Y : Operating Cycle Number

Life Expectancy

Inductive Load



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

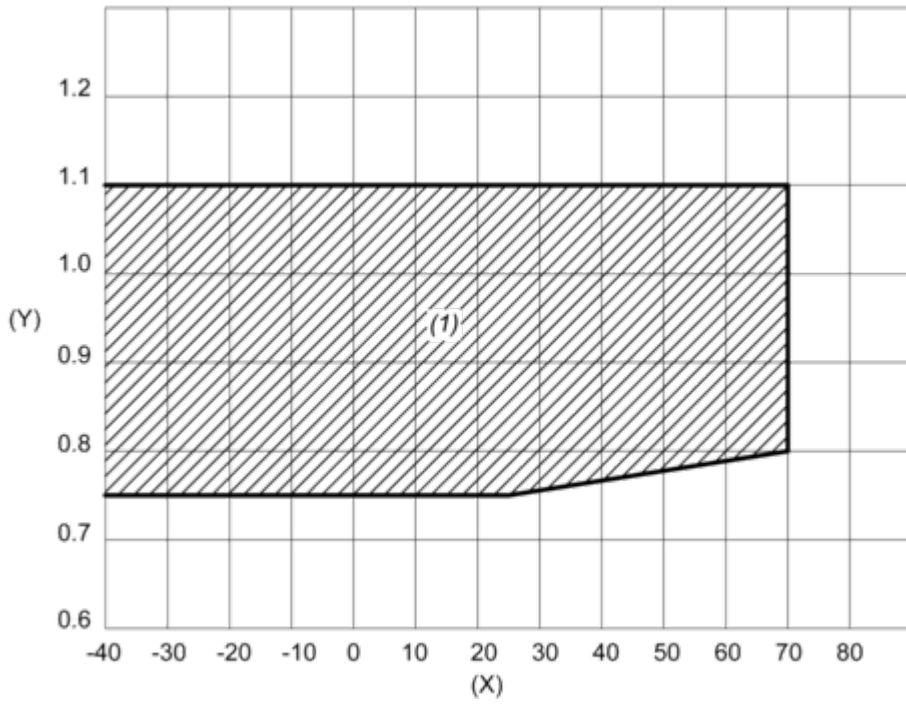
**NOTE:** These are typical curves, actual durability depends on load, environment, duty cycle, etc.



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

Technical Illustration

Dimensions

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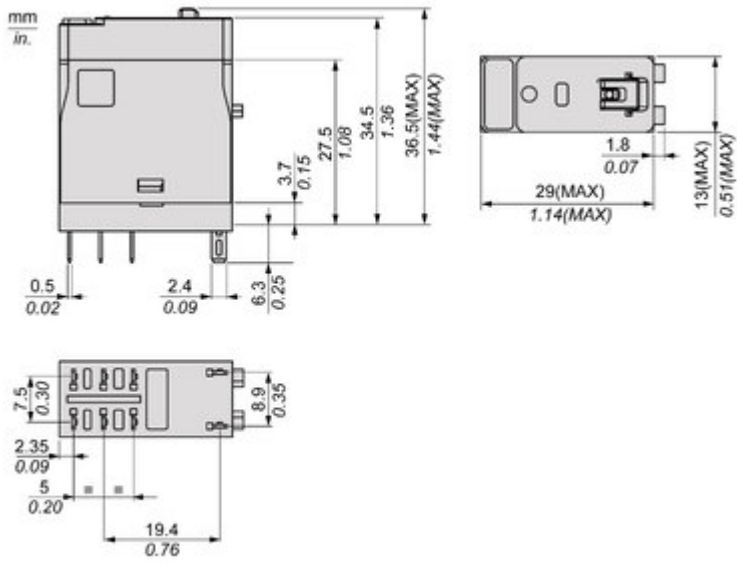


Image of product / Alternate images

Alternative

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