

# Product datasheet

Specifications



Harmony. Interface plug-in relay pre-assembled. 5 A. 2 CO. with LED. with lockable test button. with protection circuit. 230 V AC

RXG22P7PV

**Price: 386.22 ZAR**

## Main

Range Of Product	Harmony Electromechanical Relays
Series Name	Interface relay
Product Or Component Type	Pre-assembled plug-in relay with socket
Device Short Name	RXG
Contacts Type And Composition	2 C/O
[I <sub>th</sub> ] Conventional Enclosed Thermal Current	5 A

## Complementary

Status Led	With
[I <sub>e</sub> ] Rated Operational Current	5 A at 30 V (DC) conforming to UL 5 A at 30 V (DC) conforming to IEC 5 A at 250 V (AC) conforming to IEC 5 A at 250 V (AC) conforming to UL
Electrical Durability	100000 cycles resistive load
Coil Resistance	23500 Ohm +/- 15 %
Shock Resistance	20 gn in operation 100 gn not in operation
Mounting Position	Any position
Average Coil Consumption	0.96 VA AC 50...60 Hz
[U <sub>c</sub> ] Control Circuit Voltage	230 V AC 50/60 Hz
Colour Of Cover	Transparent
Drop-Out Voltage Threshold	>= 0.3 U <sub>c</sub> AC
Load Current	5 A
Minimum Switching Capacity	50 mW at 10 mA, 5 V DC
Maximum Switching Capacity	1250 VA AC 150 W DC
Control Type	Lockable test button
Torque Value	0.8 N.m 0.79 N.m
Contact Resistance	100 mOhm
Insulation Resistance	1000 MOhm at 500 V DC
Electrical Insulation Class	Class F
Mechanical Durability	10000000 cycles

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>Safety Reliability Data</b>	B10d = 100000
<b>Operating Time</b>	20 ms
<b>Reset Time</b>	20 ms
<b>Connections - Terminals</b>	Connector, 1 x 0.25...1 x 2.5 mm <sup>2</sup> (AWG 22...AWG 14) flexible with cable end Connector, 2 x 0.25...2 x 1 mm <sup>2</sup> (AWG 22...AWG 17) flexible with cable end Connector, 1 x 0.5...1 x 2.5 mm <sup>2</sup> (AWG 20...AWG 14) solid without cable end Connector, 2 x 0.5...2 x 1.5 mm <sup>2</sup> (AWG 20...AWG 16) solid without cable end
<b>Overvoltage Category</b>	III
<b>Maximum Switching Voltage</b>	250 V
<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 conforming to IEC
<b>Dielectric Strength</b>	1000 V AC between contacts with micro disconnection 1300 V between terminals and base with basic insulation 3000 V between terminals and LTB area with basic insulation 3000 V AC between poles with basic insulation 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>	0.065 kg

## Environment

<b>Standards</b>	IEC 61810-1 CSA C22.2 No 14 UL 508 IEC 61984
<b>Product Certifications</b>	EAC CSA UL CE DNV-GL
<b>Ambient Air Temperature For Storage</b>	-40...85 °C
<b>Ambient Air Temperature For Operation</b>	-40...70 °C
<b>Ip Degree Of Protection</b>	IP20
<b>Relative Humidity</b>	10...85 %
<b>Vibration Resistance</b>	3 gn, amplitude = +/- 1.5 mm (f = 10...150 Hz)in operation 5 gn, amplitude = +/- 1.5 mm (f = 10...150 Hz)not in operation

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	1.4 cm
<b>Package 1 Width</b>	7.4 cm
<b>Package 1 Length</b>	8 cm
<b>Package 1 Weight</b>	63 g

<b>Unit Type Of Package 2</b>	BB1
<b>Number Of Units In Package 2</b>	30
<b>Package 2 Height</b>	17 cm
<b>Package 2 Width</b>	9 cm
<b>Package 2 Length</b>	27 cm
<b>Package 2 Weight</b>	2.138 kg
<b>Unit Type Of Package 3</b>	S03
<b>Number Of Units In Package 3</b>	180
<b>Package 3 Height</b>	30 cm
<b>Package 3 Width</b>	30 cm
<b>Package 3 Length</b>	40 cm
<b>Package 3 Weight</b>	13.382 kg

## Contractual warranty

<b>Warranty</b>	18 months
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## 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

## Well-being performance

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information Yes

**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](#)

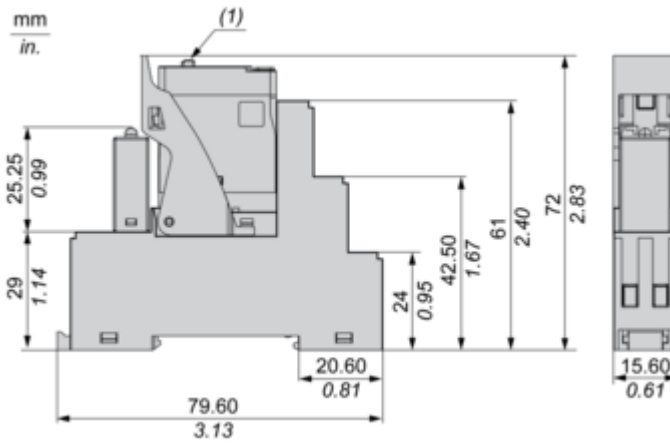
**Weee** The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

**Circularity Profile** No need of specific recycling operations

Dimensions Drawings

Dimensions

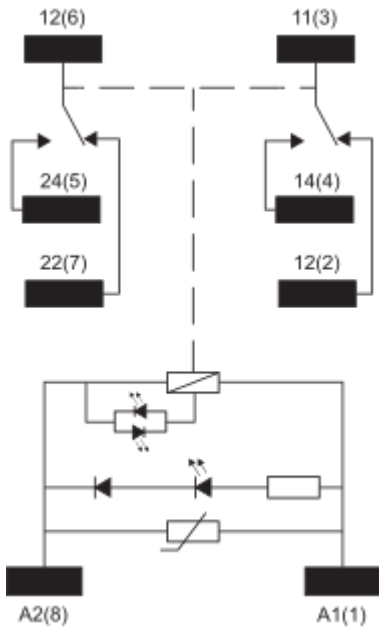
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Connections and Schema

Wiring Diagram

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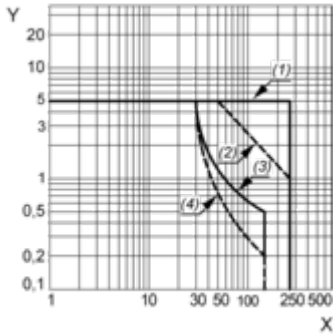


Performance Curves

Performance Curves

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Maximum Switching Capacity



X : Switching voltage (V)

Y : Switching current (A)

(1) AC Resistive Load

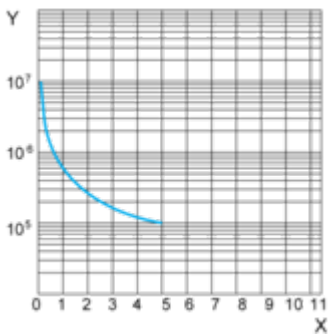
(2) AC Inductive Load  $\cos(\phi)=0.4$

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

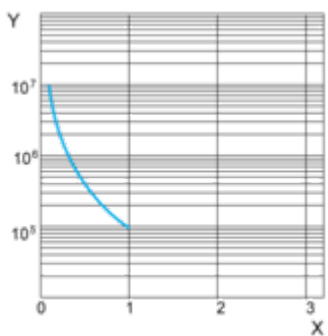


X : Contact Current (A)

Y : Operating Cycle Number

Life Expectancy

Inductive Load



X : Contact Current (A)

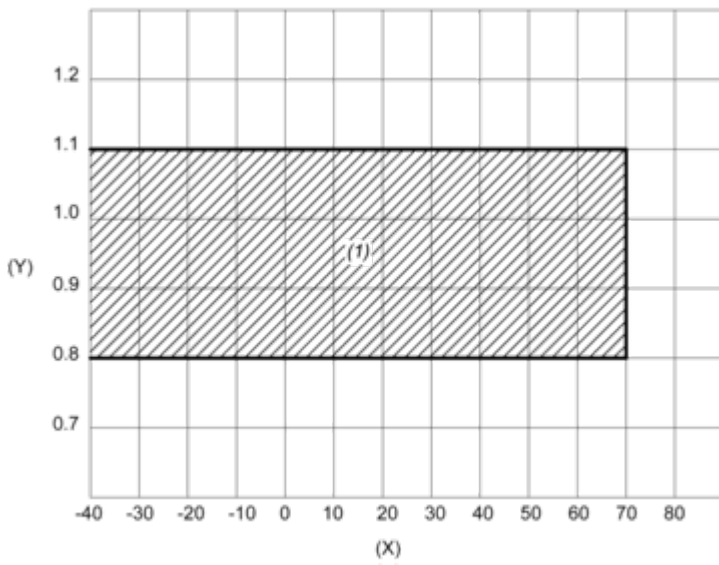
Y : Operating Cycle Number

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

Coil Operating Range

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AC Coil Operating Range VS Ambient Temperature



X : Ambient temperature (°C)

Y : Coil voltage (U/Uc)

(1) Permitted operating range area