

Product data sheet

Specifications



interface plug in relay, Harmony Electromechanical Relays, pre assembled, 5A, 2CO, with LED, lockable test but to n, 24V AC

RXG22B7PV

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

Main

Range of Product	Harmony Electromechanical Relays
Series name	RXG series
Product or Component Type	Pre-assembled plug-in relay with socket
Relay Type	Interface relay
Contacts type and composition	2 C/O
[Uc] control circuit voltage	24 V AC
[Ithe] conventional enclosed thermal current	5 A

Complementary

Status LED	With
[Ui] rated insulation voltage	250 V IEC
Removable legend	With
Maximum switching voltage	250 V
Drop-out voltage threshold	>= 0.3 Uc 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
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 rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load
Utilisation coefficient	20 %
Operating time	20 ms
reset time	20 ms
Contact terminal arrangement	Separate

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

Connections - terminals	Connector, 1 x 0.25...1 x 2.5 mm ² AWG 22...AWG 14) flexible with cable end Connector, 2 x 0.25...2 x 1 mm ² AWG 22...AWG 17) flexible with cable end Connector, 1 x 0.5...1 x 2.5 mm ² AWG 20...AWG 14) solid without cable end Connector, 2 x 0.5...2 x 1.5 mm ² AWG 20...AWG 16) solid without cable end
Dielectric strength	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
Overvoltage category	III
Protection category	RT I
Pollution degree	2
Test levels	Level A group mounting
Device presentation	Complete product
Contacts material	Silver alloy (AgSnO ₂ In ₂ O ₃)
Shape of pin	Flat (faston type)
Product Weight	0.143 lb(US) (0.065 kg)

Environment

Standards	IEC 61810-1 CSA C22.2 No 14 UL 508 IEC 61984
Product Certifications	EAC CSA UL CE DNV-GL
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Ambient Air Temperature for Operation	-40...158 °F (-40...70 °C)
IP Degree of Protection	IP20
Relative humidity	10...85 %
Vibration resistance	3 gn +/- 1.5 mm 10...150 Hz)in operation 5 gn +/- 1.5 mm 10...150 Hz)not in operation

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606489562892
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.13 in (7.960 cm)
Package 1 Width	0.61 in (1.560 cm)
Package 1 Length	2.83 in (7.200 cm)
Package weight(Lbs)	2.363 oz (67.000 g)

Unit Type of Package 2	BB1
Number of Units in Package 2	30
Package 2 Height	0.33 in (0.840 cm)
Package 2 Width	6.81 in (17.300 cm)
Package 2 Length	10.67 in (27.100 cm)
Package 2 Weight	4.696 lb(US) (2.130 kg)
Unit Type of Package 3	S03
Number of Units in Package 3	180
Package 3 Height	11.81 in (30.000 cm)
Package 3 Width	11.81 in (30.000 cm)
Package 3 Length	15.75 in (40.000 cm)
Package 3 Weight	29.586 lb(US) (13.420 kg)

Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)

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Use Better

Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

Yes

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

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

Use Again

Repack and remanufacture

Circularity Profile

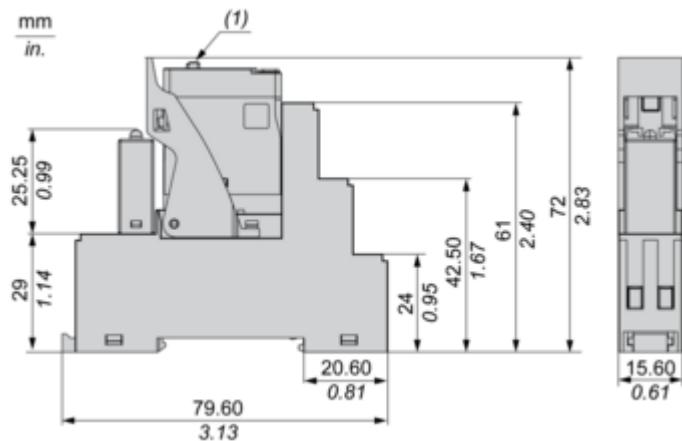
No need of specific recycling operations

Take-back

No

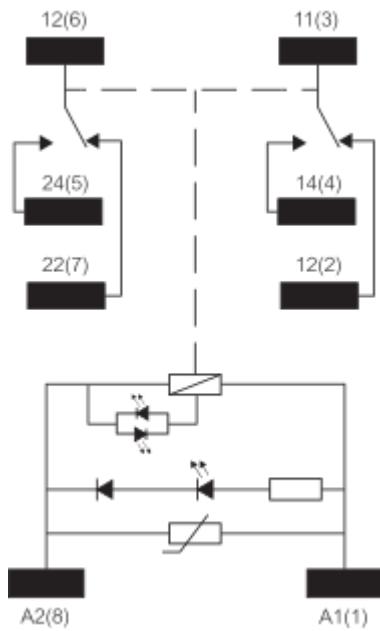
Dimensions Drawings

Dimensions



(1) Push button (if any)

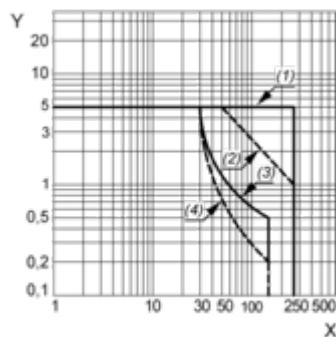
Connections and Schema

Wiring Diagram

Performance Curves

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y : Switching current (A)

(1) AC Resistive Load

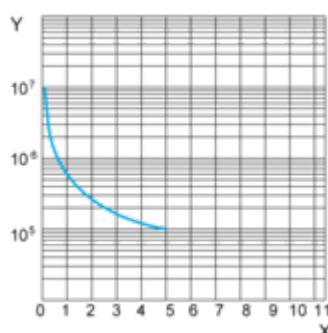
(2) AC Inductive Load $\cos(\Phi)=0.4$

(3) DC Resistive Load

(4) DC Inductive Load ($L/R=7\text{ms}$)

Life Expectancy

Resistive Load

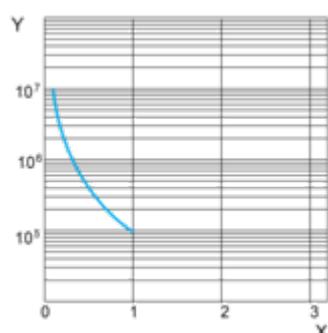


X : Contact Current (A)

Y : Operating Cycle Number

Life Expectancy

Inductive Load



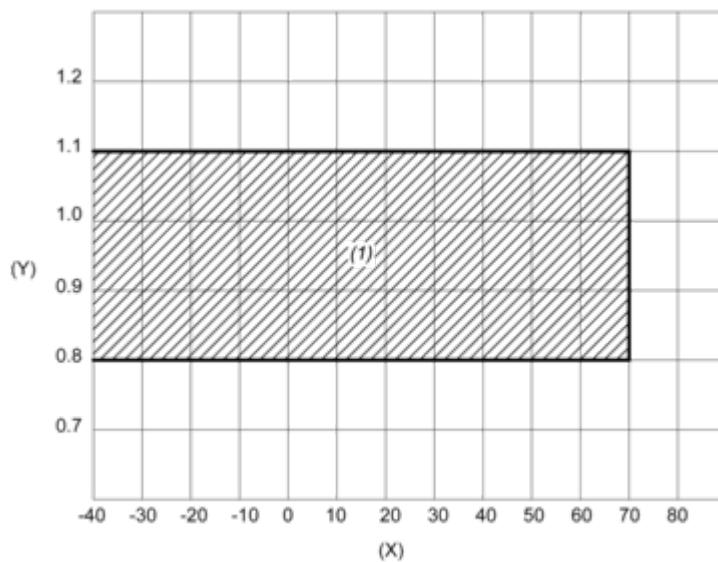
X : Contact Current (A)

Y : Operating Cycle Number

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

Coil Operating Range

AC Coil Operating Range VS Ambient Temperature



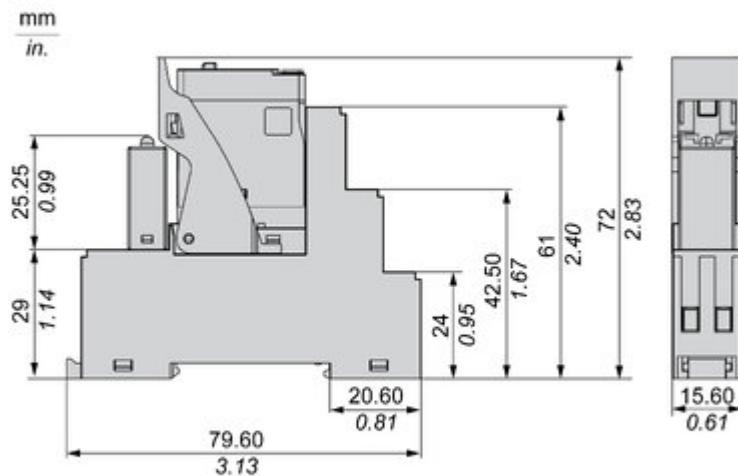
X : Ambient temperature (°C)

Y : Coil voltage (U/Uc)

(1) Permitted operating range area

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony RXG Relay



Image of product / Alternate images

Alternative







Image of product in real life situation

