

Product data sheet

Specifications



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

RXG22BDPV

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

Price*: 21.95 USD

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
[Ithe] conventional enclosed thermal current	5 A

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 resistive
Coil resistance	1100 Ohm +/- 10 %
Shock resistance	20 gn in operation 100 gn not in operation
Mounting position	Any position
Average coil consumption	0.53 W DC
[Uc] control circuit voltage	24 V DC
Colour of cover	Transparent
Drop-out voltage threshold	>= 0.1 Uc DC
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	7.08 lbf.in (0.8 N.m) 7.0 lbf.in (0.8 N.m)
Contact resistance	100 mOhm
Insulation resistance	1000 MOhm at 500 V DC

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

Electrical Insulation Class	Class F
Mechanical durability	10000000 cycles
Safety reliability data	B10d = 100000
Operating time	20 ms
Reset time	20 ms
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
Overvoltage category	III
Maximum switching voltage	250 V
Protection category	RT I
Operating rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load
Pollution degree	2
Utilisation coefficient	20 %
[U] rated insulation voltage	250 V IEC
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
Test levels	Level A group mounting
Device presentation	Complete product
Contacts material	Silver alloy (AgSnO2In2O3)
Net Weight	0.143 lb(US) (0.065 kg)

Environment

Standards	IEC 61810-1 CSA C22.2 No 14 UL 508 IEC 61984
Product Certifications	CSA CE EAC UL 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	03606489562885
Returnability	No

Country of origin	CN
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	3.13 in (7.96 cm)
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Package 1 Width	0.61 in (1.56 cm)
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Package 1 Length	2.83 in (7.2 cm)
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Package 1 Weight	2.3 oz (66 g)
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Unit Type of Package 2	BB1
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Number of Units in Package 2	30
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Package 2 Height	7.09 in (18 cm)
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Package 2 Width	3.54 in (9 cm)
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Package 2 Length	10.63 in (27 cm)
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Package 2 Weight	4.700 lb(US) (2.132 kg)
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Unit Type of Package 3	S03
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Number of Units in Package 3	180
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Package 3 Height	11.81 in (30 cm)
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Package 3 Width	11.81 in (30 cm)
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Package 3 Length	15.75 in (40 cm)
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Package 3 Weight	29.414 lb(US) (13.342 kg)
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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.

[How this information helps you >](#)

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	6
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Environmental Disclosure	Product Environmental Profile
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Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
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Packaging without single use plastic	Yes
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EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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China RoHS Regulation	China RoHS declaration
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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 "
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Use Again

 **Repack and remanufacture**

Circularity Profile

No need of specific recycling operations

WEEE



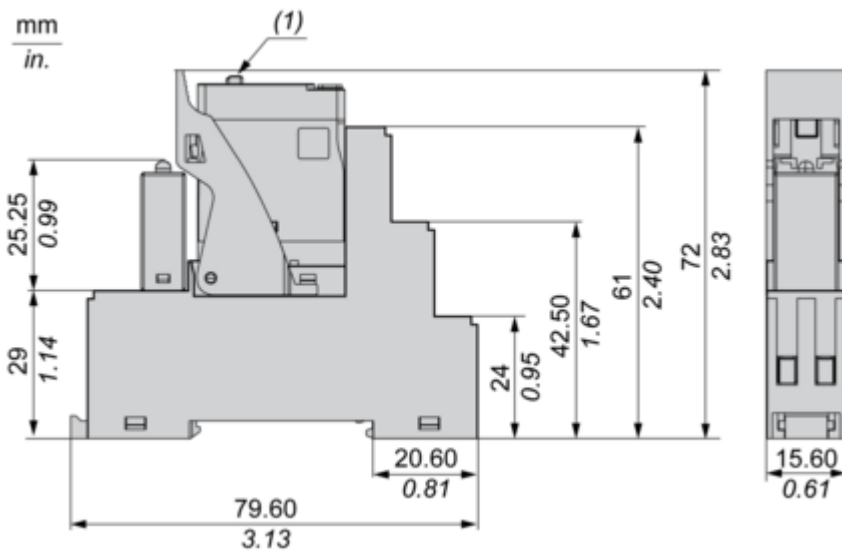
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Take-back

No

Dimensions Drawings

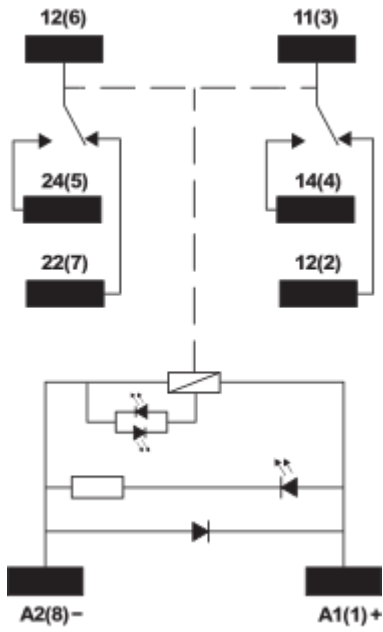
Dimensions



(1) Push button (if any)

Connections and Schema

Wiring Diagram

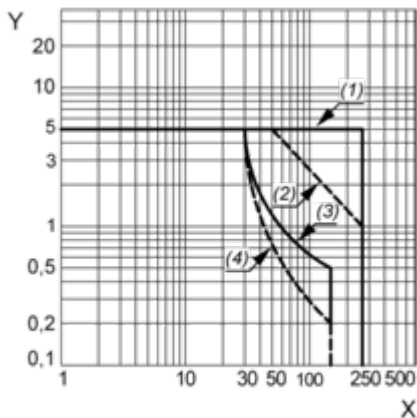


NOTE: For DC input , A1 have to be + , otherwise it would short circuit from protection module

Performance Curves

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y : Switching current (A)

(1) AC Resistive Load

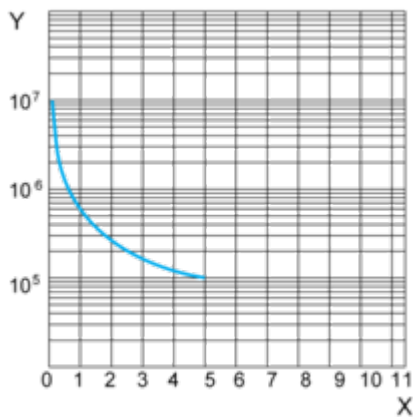
(2) AC Inductive Load $\cos(\phi)=0.4$

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

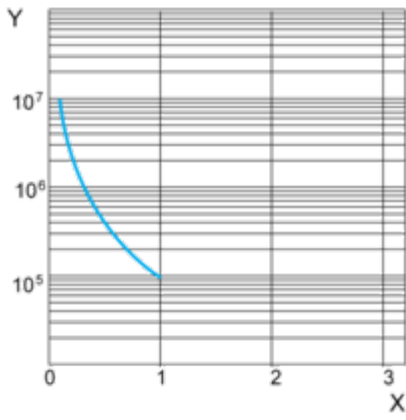


X : Contact Current (A)

Y : Operating Cycle Number

Life Expectancy

Inductive Load

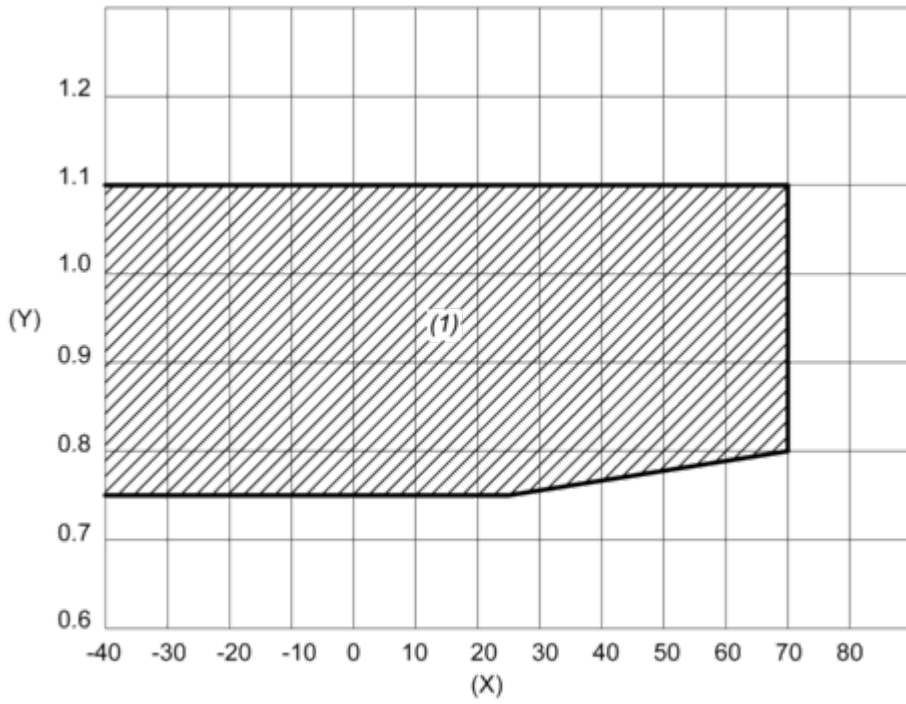


X : Contact Current (A)
Y : Operating Cycle Number

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

Coil Operating Range

DC Coil Operating Range VS Ambient Temperature



X : Ambient temperature (°C)

Y : Coil voltage (U/U_c)

(1) Permitted operating range area

Technical Illustration

Dimensions

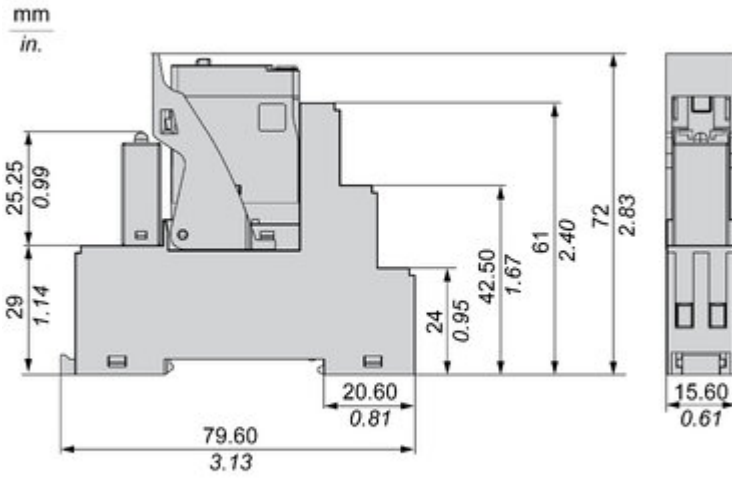


Image of product / Alternate images

Alternative



