

Harmony, Interface plug-in relay pre-assembled, 5 A, 2 CO, with LED, with lockable test button, with protection circuit, 24 V DC

RXG22BDPV

EAN Code: 3606489562885

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 DC	
[Ithe] conventional enclosed thermal current	5 A	

Complementary

Status LED	With	
[Ui] rated insulation voltage	250 V conforming to IEC	
Maximum switching voltage	250 V	
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	
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	
Connections - terminals	Connector, 1 x 0.251 x 2.5 mm² (AWG 22AWG 14) flexible with cable end	

Connector, 2 x 0.25...2 x 1 mm² (AWG 22...AWG 17) flexible with cable end Connector, 1 x 0.5...1 x 2.5 mm² (AWG 20...AWG 14) solid without cable end Connector, 2 x 0.5...2 x 1.5 mm² (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	RTI	
pollution degree	2	
Test levels	Level A group mounting	
Device presentation	Complete product	
Contacts material	Silver alloy (AgSnO2In2O3)	
Shape of pin	Flat (faston type)	
Net weight	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	-4085 °C	
Ambient air temperature for operation	-4070 °C	
IP degree of protection	IP20	
Relative humidity	1085 %	
Vibration resistance	3 gn, amplitude = +/- 1.5 mm (f = 10150 Hz)in operation 5 gn, amplitude = +/- 1.5 mm (f = 10150 Hz)not in operation	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.000 cm
Package 1 Width	1.560 cm
Package 1 Length	7.300 cm
Package 1 Weight	63.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	30
Package 2 Height	9.000 cm
Package 2 Width	17.500 cm
Package 2 Length	27.200 cm
Package 2 Weight	2.120 kg
Unit Type of Package 3	S03
Number of Units in Package 3	180
Package 3 Height	30.000 cm

Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	13.210 kg

Logistical informations

Country of origin C

Contractual warranty

Warranty 18 months



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.eq.CO2 per CR, Total Life cycle)	6
Environmental Disclosure	Product Environmental Profile

Use Better

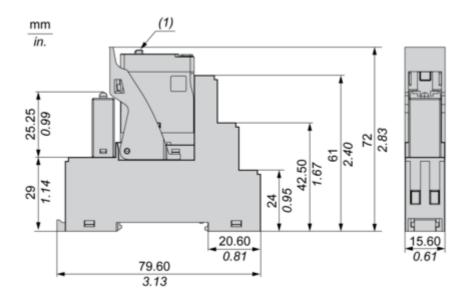
Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)

Use Again

○ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

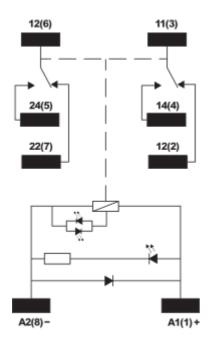
Dimensions



(1) Push button (if any)

Connections and Schema

Wiring Diagram

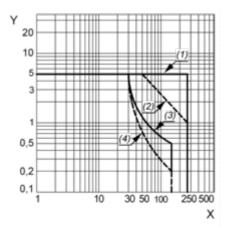


NOTE: For DC input , A1 have to be + , otherwise it would short circuit from protection module

Performance Curves

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

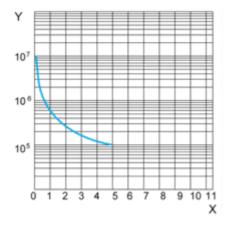
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

Life Expectancy

Resistive Load



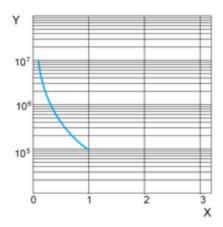
X : Contact Current (A)
Y : Operating Cycle Number

Life Expectancy

Inductive Load

Product datasheet

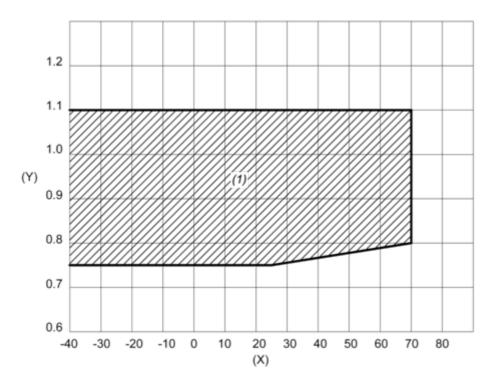
RXG22BDPV



- 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/Uc)
- (1) Permitted operating range area

RXG22BDPV

Technical Illustration

Dimensions

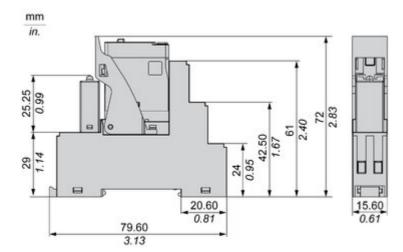


Image of product / Alternate images

Alternative











