Product datasheet

Specifications

Green Premium™

Discontinued

interface plug in relay, Harmony Electromechanical Relays, 5A, 2CO, lockable test but to n, 230V AC

RXG21P7

Discontinued on: 1 Nov 2020

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 at -40…55 °C
Local Signalling	Flag

Complementary

Status Led	Without
[Ie] 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 for NO resistive load at 55 °C 100000 cycles for NC resistive load at 55 °C
Coil Resistance	23500 Ohm +/- 15 %
Shock Resistance	20 gn in operation 100 gn not in operation
Mounting Position	Any position
Average Consumption In Va	0.82 VA 60 Hz
Control Circuit Voltage Limits	0.8...1.1 Uc AC
[Uc] Control Circuit Voltage	230 V AC 50/60 Hz
Colour Of Cover	Standard
Drop-Out Voltage Threshold	>= 0.3 Uc AC
Load Current	5 A at 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	0.8 N.m
Insulation Resistance	1000 MOhm at 500 V DC
Mechanical Durability	10000000 cycles

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Safety Reliability Data	B10d = 100000
Overvoltage Category	III
Maximum Switching Voltage	250 V AC 30 V DC
Protection Category	RT I
Operating Rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load
Utilisation Coefficient	20 %
Pollution Degree	2
[Ui] Rated Insulation Voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL
Dielectric Strength	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
Test Levels	Level A group mounting
Device Presentation	Complete product
Contacts Material	Silver alloy (AgSnO2In2O3)
Net Weight	0.02 kg

Environment

Standards	IEC 61810-1 UL 508 CSA C22.2 No 14
Product Certifications	UL CSA EAC CE DNV-GL
Ambient Air Temperature For Storage	-40…85 °C
Ambient Air Temperature For Operation	-40…70 °C
Ip Degree Of Protection	IP40
Relative Humidity	10…85 %
Vibration Resistance	3 gn, amplitude = +/- 0.75 mm (f = 10…150 Hz)in operation 5 gn, amplitude = +/- 0.75 mm (f = 10…150 Hz)not in operation

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.89 cm
Package 1 Width	1.27 cm
Package 1 Length	3.452 cm
Package 1 Weight	20.1 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_2 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 RoHS/REACh

Well-being performance

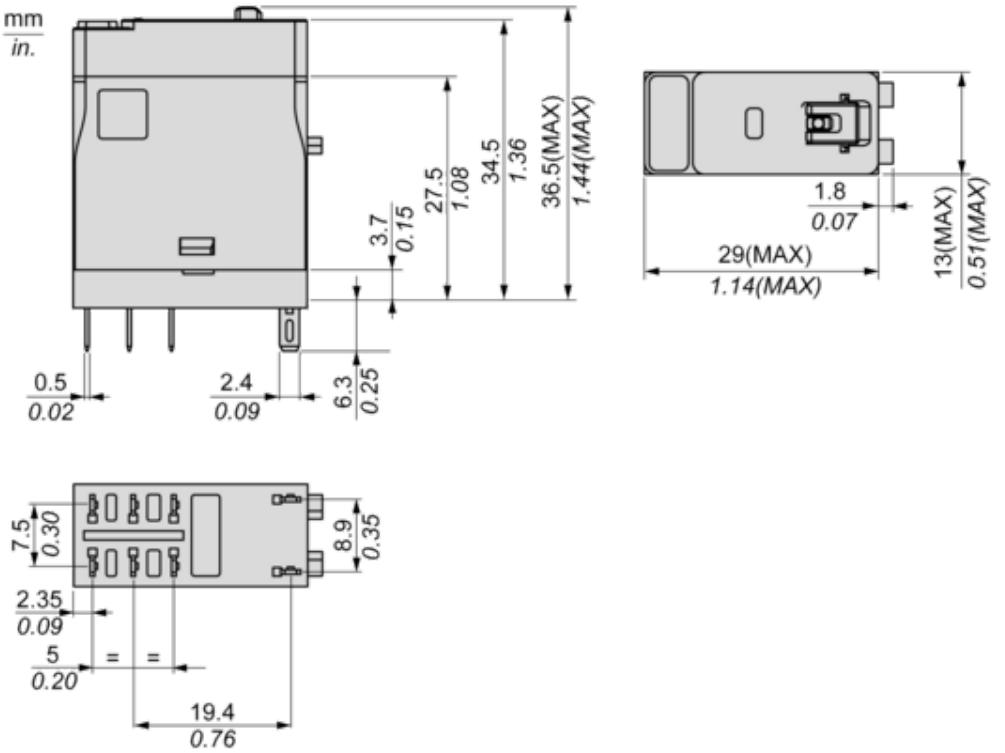
Reach Free Of Svhc	
Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes

Certifications & Standards

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

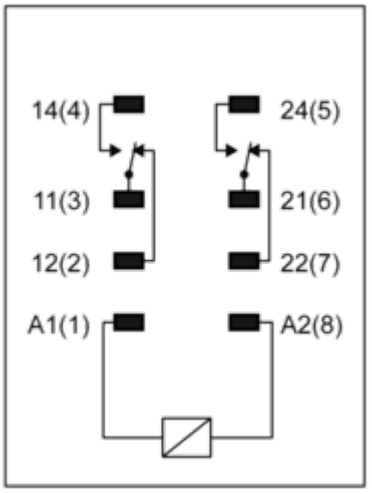
Dimensions Drawings

Dimensions



Connections and Schema

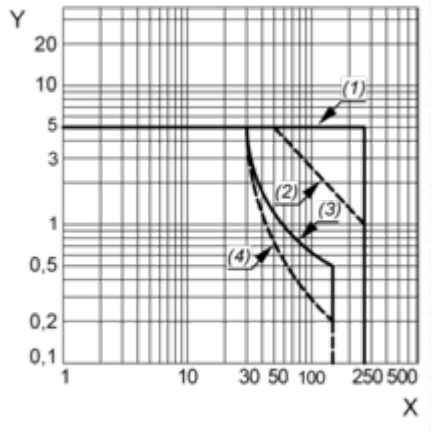
Wiring Diagram



Performance Curves

Performance Curves

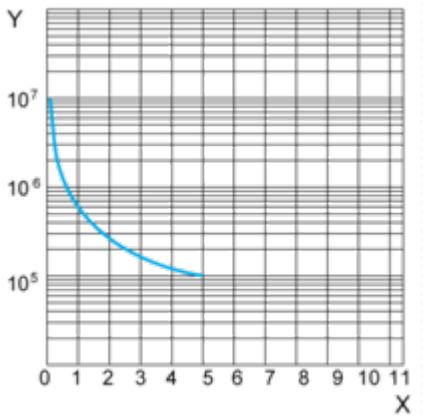
Maximum Switching Capacity



X : Switching voltage (V)
Y : Switching current (A)
(1) AC Resistive Load
(2) AC Inductive Load cos(Ø)=0.4
(3) DC Resistive Load
(4) DC Inductive Load (L/R=7ms)

Life Expectancy

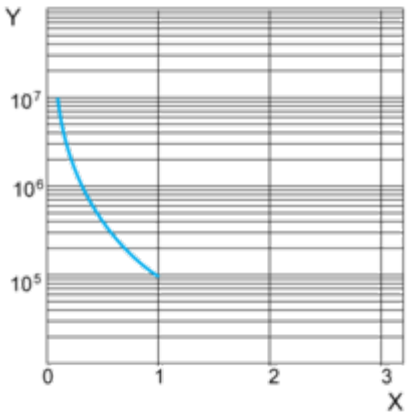
Resistive Load



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

Life Expectancy

Inductive Load

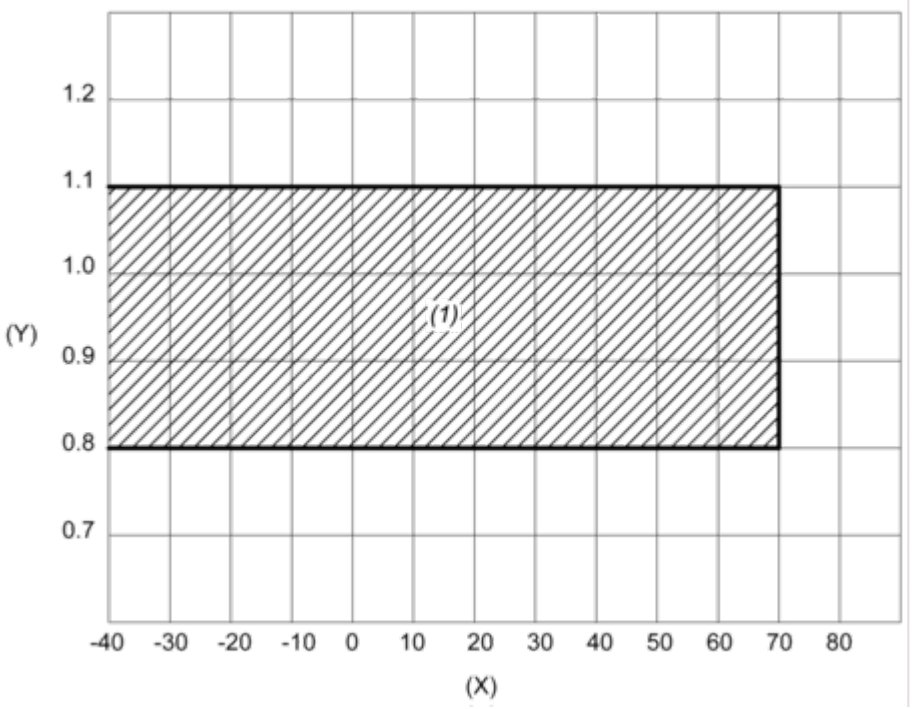


X : Contact Current (A)
Y : Operating Cycle Number

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