# **Product datasheet**

Main





interface plug in relay, Harmony Electromechanical Relays, 5A, 2CO, with LED, lockable test but to n, 220V AC

RXG22M7



(!) Discontinued on: 22 Jul 2020

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 -4055 °C	
Local Signalling	Flag	

# Complementary

Status Led	With	
[le] 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	21000 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 0.81.1 Uc AC		
[Uc] Control Circuit Voltage	220 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	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	

Safety Reliability Data	B10d = 100000	
Overvoltage Category	III	
Maximum Switching Voltage	250 V AC 30 V DC	
Protection Category	RTI	
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	UL 508 IEC 61810-1 CSA C22.2 No 14	
Product Certifications	CSA UL EAC CE DNV-GL	
Ambient Air Temperature For Storage	-4085 °C	
Ambient Air Temperature For Operation	-4070 °C	
Ip Degree Of Protection	Of Protection IP40	
Relative Humidity	1085 %	
Vibration Resistance	3 gn, amplitude = +/- 0.75 mm (f = 10150 Hz)in operation 5 gn, amplitude = +/- 0.75 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	2.89 cm
Package 1 Width	1.27 cm
Package 1 Length	3.452 cm
Package 1 Weight	22.0 g
Unit Type Of Package 2	CAR
Number Of Units In Package 2	200
Package 2 Height	15.0 cm
Package 2 Width	14.8 cm

Package 2 Length	39.8 cm
Package 2 Weight	4.625 kg



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**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

### Well-being performance

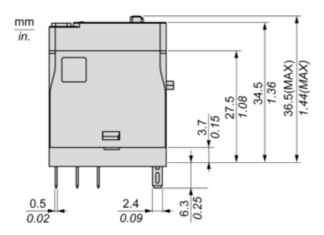
<b>Ø</b>	Reach Free Of Svhc	
<b>②</b>	Toxic Heavy Metal Free	
<b>9</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

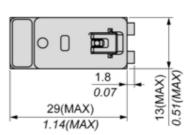
#### **Certifications & Standards**

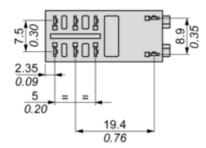
REACh Declaration
Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
China RoHS declaration
Product Environmental Profile
No need of specific recycling operations

#### **Dimensions Drawings**

#### **Dimensions**



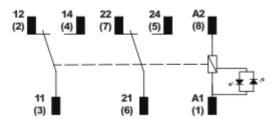




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Connections and Schema

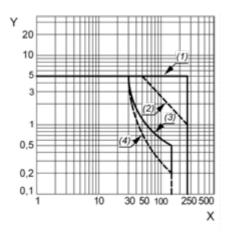
### Wiring Diagram



#### Performance Curves

#### **Performance Curves**

#### **Maximum Switching Capacity**



X: Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

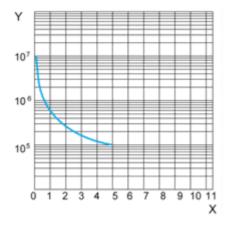
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

#### Life Expectancy

Resistive Load



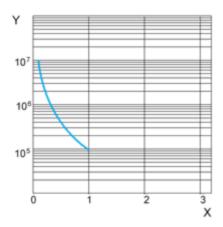
X : Contact Current (A)
Y : Operating Cycle Number

#### Life Expectancy

Inductive Load

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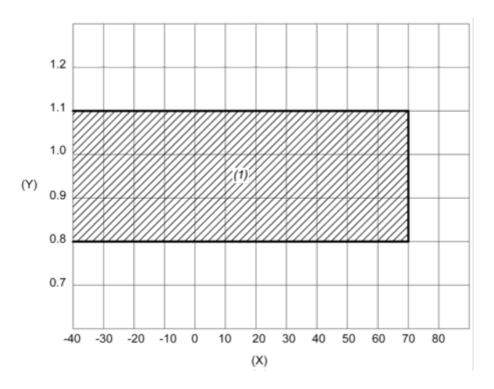


X : Contact Current (A)
Y : Operating Cycle Number

**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