Product datasheet





Harmony, Interface plug-in relay, 10 A, 1 CO, lockable test button, LED, 220 V AC

RXG12M7

! Discontinued on: 20 Oct 2020

① Discontinued

Main

Range Of Product	Harmony Relay	
Series Name	Interface relay	
Product Or Component Type	Plug-in relay	
Device Short Name	RXG	
Contacts Type And Composition	1 C/O	
[Ithe] Conventional Enclosed Thermal Current	10 A at -4055 °C	
Local Signalling	Flag	

Complementary

Status Led	With	
[le] Rated Operational Current	10 A at 30 V (DC) conforming to UL 10 A at 30 V (DC) conforming to IEC 10 A at 250 V (AC) conforming to IEC 10 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	10 A at 250 V AC	
Minimum Switching Capacity	500 mW at 100 mA, 5 V DC	
Maximum Switching Capacity	ty 2500 VA	
Control Type	Lockable test button	
Torque Value	0.8 N.m	
Contact Resistance	tance 100 mOhm	
Insulation Resistance 1000 MOhm at 500 V DC		

Electrical Insulation Class	nsulation Class Class F	
Mechanical Durability	10000000 cycles	
Safety Reliability Data	B10d = 100000	
Operating Time	20 ms	
Reset Time	20 ms	
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	
Pollution Degree	2	
Utilisation Coefficient	20 %	
[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	
Test Levels	Level A group mounting	
Device Presentation	on 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	EAC UL CSA CE DNV-GL	
Ambient Air Temperature For Storage	-4085 °C	
Ambient Air Temperature For Operation	-4070 °C	
Ip Degree Of Protection	ion IP40	
Relative Humidity	unidity 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

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

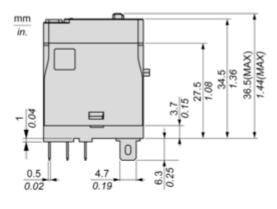
Ø	Reach Free Of Svhc	
Ø	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

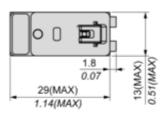
Certifications & Standards

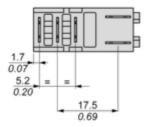
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations

Dimensions Drawings

Dimensions





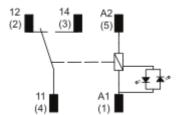


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Connections and Schema

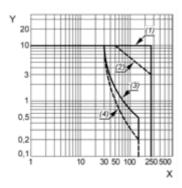
Wiring Diagram



Performance Curves

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

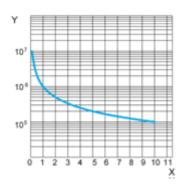
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

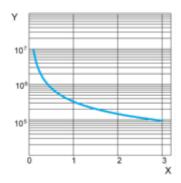


X: Contact Current (A)

Y: Operating Cycle Number

Life Expectancy

Inductive Load



X: Contact Current (A)

Y: Operating Cycle Number

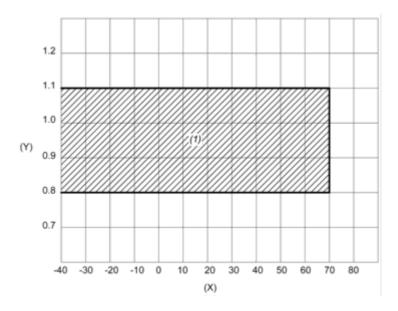
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NOTE: These are typical curves, actual durability depends on load, environment, duty cycle, etc.

Coil Operating Range

AC Coil Operating Range VS Ambient Temperature



- X : Ambient temperature (°C)
- Y: Coil voltage (U/Uc)
- (1) Permitted operating range area