

# Product data sheet Characteristics

# RXG22JD

Harmony, Interface plug-in relay, 5 A, 2 CO, with LED, with lockable test button, 12 V DC





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	

## Complementary

With
Silver alloy (AgSnO2In2O3)
100 mOhm
5 A at -4055 °C
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
250 V AC 30 V DC
5 A at 250 V AC
1250 VA
50 mW at 10 mA, 5 V DC
<= 1800 cycles/hour under load <= 18000 cycles/hour no-load
20 %
10000000 cycles
100000 Cycles for NO resistive load at 55 °C 100000 cycles for NC resistive load at 55 °C
250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL
6 kV 1.2/50 μs
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
270 Ohm +/- 10 %
1000 MOhm at 500 V DC
Level A group mounting
Any position
>= 0.1 Uc DC
Class F
20 ms
20 ms

[Uc] control circuit voltage	12 V DC	
Safety reliability data	B10d = 100000	
Colour of cover	Standard	
Control type	Lockable test button	
Local signalling	Flag	
Torque value	0.8 N.m	
Net weight	0.02 kg	
Device presentation	Complete product	

## Environment

Vibration resistance	3 gn, amplitude = +/- 0.75 mm (f = 10150 Hz)in operation
	5 gn, amplitude = $\pm$ 0.75 mm (f = 10150 Hz)not in operation
IP degree of protection	IP40
Shock resistance	20 gn in operation
	100 gn not in operation
Protection category	RT I
Standards	UL 508
	IEC 61810-1
	CSA C22.2 No 14
Product certifications	EAC
	CSA
	UL
	CE
Pollution degree	2
Overvoltage category	III
Ambient air temperature for storage	-4085 °C
Ambient air temperature for operation	-4070 °C
Relative humidity	1085 %

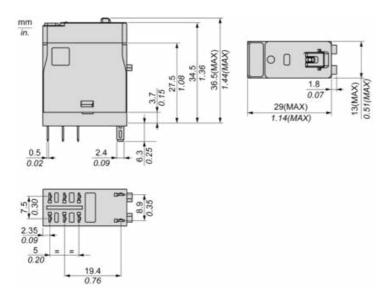
# Packing Units

Package 1 Weight	20.300 g	
Package 1 Height	35.500 mm	
Package 1 width	13.000 mm	
Package 1 Length	29.000 mm	

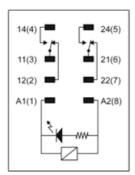
## Offer Sustainability

Office Odstalliability	
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	₫Yes
China RoHS Regulation	<sup>™</sup> China RoHS Declaration
Environmental Disclosure	Product Environmental Profile

## **Dimensions**



# Wiring Diagram

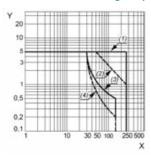


# Product data sheet Performance Curves

# RXG22JD

#### Performance Curves

## Maximum Switching Capacity



X : Switching voltage (V)

Y : Switching current (A)

(1) AC Resistive Load

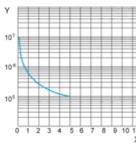
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

## Life Expectancy

#### Resistive Load

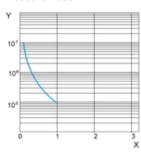


X : Contact Current (A)

Y: Operating Cycle Number

#### Life Expectancy

#### Inductive Load



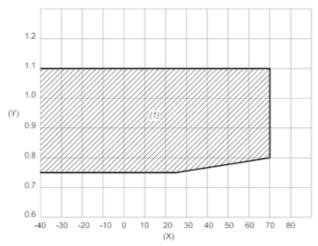
X : Contact Current (A)

Y: Operating Cycle Number

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

## Coil Operating Range

# DC Coil Operating Range VS Ambient Temperature



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