Product datasheet





Harmony, Interface plug-in relay, 5 A, 2 CO, LED, 60 V DC

RXG23ND

! Discontinued on: 1 Nov 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	2 C/O

Complementary

Status Led	With	
Contacts Material	Silver alloy (AgSnO2In2O3)	
Maximum Contact Resistance	100 mOhm	
[Ithe] Conventional Enclosed Thermal Current	5 A at -4055 °C	
[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	
Maximum Switching Voltage	250 V AC 30 V DC	
Load Current	5 A at 250 V AC	
Maximum Switching Capacity	1250 VA	
Minimum Switching Capacity	50 mW at 10 mA, 5 V DC	
Operating Rate	<= 1800 cycles/hour under load <= 18000 cycles/hour no-load	
Utilisation Coefficient	20 %	
Mechanical Durability	10000000 cycles	
Electrical Durability	100000 cycles for NO resistive load at 55 °C 100000 cycles for NC resistive load at 55 °C	
[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	
Coil Resistance	6700 Ohm +/- 10 %	
Insulation Resistance	1000 MOhm at 500 V DC	
Test Levels	Level A group mounting	

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Mounting Position	Any position
Drop-Out Voltage Threshold	>= 0.1 Uc DC
Coil Insulation Class	Class F
Operate Time	20 ms
Release Time	20 ms
[Uc] Control Circuit Voltage	60 V DC
Safety Reliability Data	B10d = 100000
Colour Of Cover	Standard
Local Signalling	Flag
Torque Value	0.8 N.m
Net Weight	0.02 kg
Device Presentation	Complete product

Environment

/ibration Resistance 3 gn, amplitude = +/- 0.75 mm (f = 10150 Hz)in operation 5 gn, amplitude = +/- 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	RTI	
Standards	UL 508 CSA C22.2 No 14 IEC 61810-1	
Product Certifications	UL CE EAC CSA	
Pollution Degree	2	
Overvoltage Category	III	
Ambient Air Temperature For Storage	Temperature For -4085 °C	
Ambient Air Temperature For Operation	emperature For -4070 °C	
Relative Humidity	1085 %	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1



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Transparency RoHS/REACh

Well-being performance

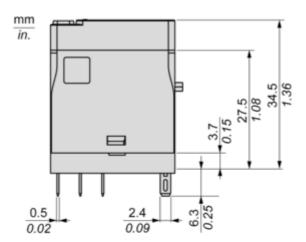
	Reach Free Of Svhc	
②	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

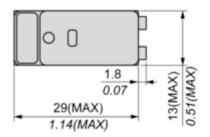
Certifications & Standards

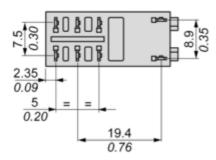
RoHS legal scope)

Dimensions Drawings

Dimensions





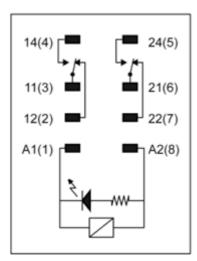


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Connections and Schema

Wiring Diagram



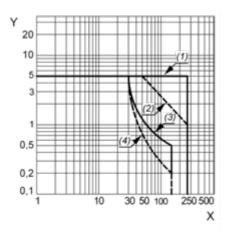
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Performance Curves

Performance Curves

Maximum Switching Capacity



X: Switching voltage (V)

Y: Switching current (A)

(1) AC Resistive Load

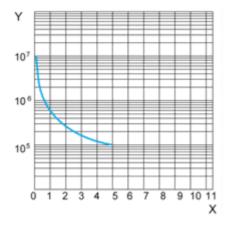
(2) AC Inductive Load cos(Ø)=0.4

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

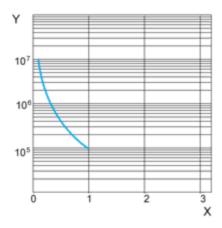


X: Contact Current (A)

Y: Operating Cycle Number

Life Expectancy

Inductive Load

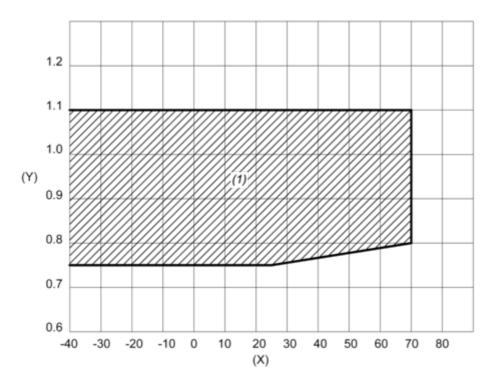


X : Contact Current (A)
Y : Operating Cycle Number

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

Coil Operating Range

DC Coil Operating Range VS Ambient Temperature



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