

Product data sheet

Specifications



Interface plug-in relay, 10 A, 1 CO, lockable test button, 60 V DC

RXG11ND

● Discontinued on: 02 December 2020

● End-of-service on: 31 December 2020

● Discontinued

Product availability : Non-Stock - Not normally stocked in distribution facility

Price* : 9.15 USD

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

Complementary

Status LED Without

Contacts material Silver alloy (AgSnO₂In2O₃)

Maximum contact resistance 100 mOhm

[I_{the}] conventional enclosed thermal current 10 A -40...131 °F (-40...55 °C)

[I_e] rated operational current 10 A 30 V DC) UL
10 A 30 V DC) IEC
10 A 250 V AC) IEC
10 A 250 V AC) UL

Maximum switching voltage 250 V AC
30 V DC

Load current 10 A 250 V AC

Maximum switching capacity 2500 VA

Minimum switching capacity 500 mW at 100 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 NO resistive at 55 °C
100000 cycles NC resistive at 55 °C

[U_i] rated insulation voltage 250 V IEC
300 V CSA
300 V UL

[U_{imp}] rated impulse withstand voltage 6 kV 1.2/50 µs

Dielectric strength 1000 V AC between contacts with micro disconnection

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

5000 V AC between coil and contact with reinforced insulation

Coil resistance	6700 Ohm +/- 10 %
Insulation resistance	1000 MΩ at 500 V DC
Test levels	Level A
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
Control Type	Lockable test button
Local signalling	Flag
Torque Value	7.08 lbf.in (0.8 N.m)
Product Weight	0.04 lb(US) (0.02 kg)
Device presentation	Complete product

Environment

Vibration resistance	3 gn +/- 0.75 mm 10...150 Hz)in operation 5 gn +/- 0.75 mm 10...150 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 CE UL
Pollution degree	2
Overvoltage category	III
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Ambient Air Temperature for Operation	-40...158 °F (-40...70 °C)
Relative humidity	10...85 %

Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	00785901956464
Nbr. of units in pkg.	10
Package weight(Lbs)	0.05 lb(US) (0.02 kg)
Returnability	No
Country of origin	CN

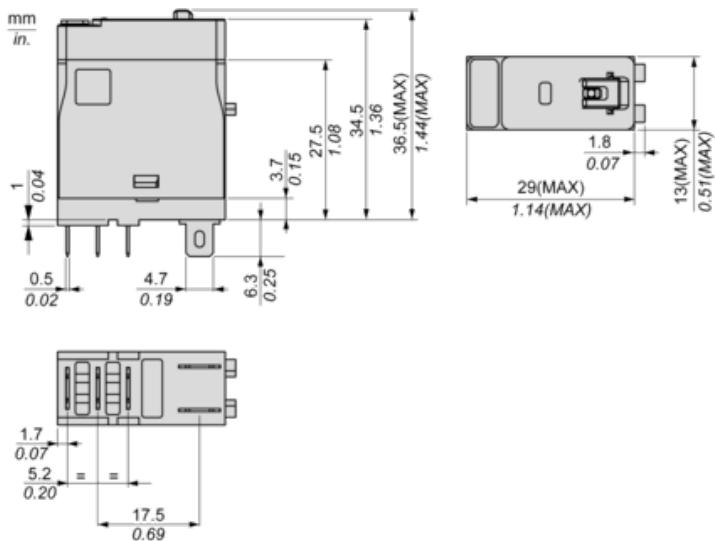
Packing Units

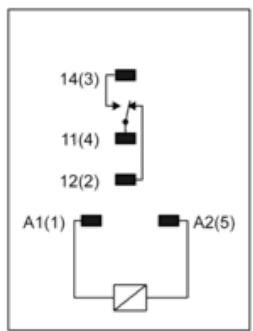
Package 1 Height	1.40 in (35.500 mm)
Package 1 width	0.51 in (13.000 mm)
Package 1 Length	1.14 in (29.000 mm)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile

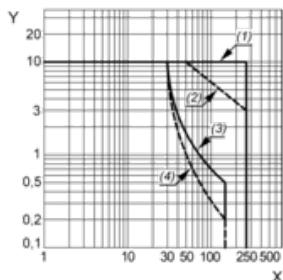
Dimensions



Wiring Diagram

Performance Curves

Maximum Switching Capacity



X : Switching voltage (V)

Y : Switching current (A)

(1) AC Resistive Load

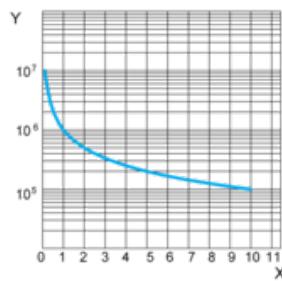
(2) AC Inductive Load $\cos(\emptyset)=0.4$

(3) DC Resistive Load

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

Life Expectancy

Resistive Load

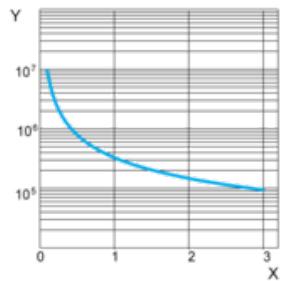


X : Contact Current (A)

Y : Operating Cycle Number

Life Expectancy

Inductive Load



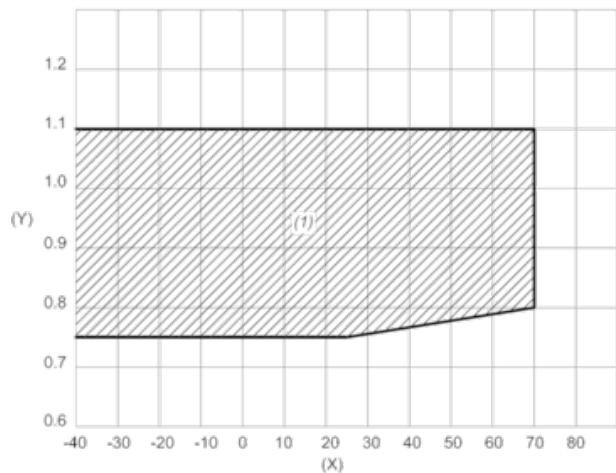
X : Contact Current (A)

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

Recommended replacement(s)

RXG11ND is replaced by the following product range:



Harmony Electromechanical Relays

A complete range of general purpose industrial relays, sockets and accessories

Products: 535