



## 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

Status LED	Without
Contacts material	Silver alloy (AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub> )
Maximum contact resistance	100 mOhm
[I <sub>th</sub> ] conventional enclosed thermal current	5 A -40...131 °F (-40...55 °C)
[I <sub>e</sub> ] rated operational current	5 A 30 V DC) UL 5 A 30 V DC) IEC 5 A 250 V AC) IEC 5 A 250 V AC) UL
Maximum switching voltage	250 V AC 30 V DC
Load current	5 A 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 NO resistive at 55 °C 100000 cycles NC resistive at 55 °C
[U <sub>i</sub> ] rated insulation voltage	250 V IEC 300 V CSA 300 V UL
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV 1.2/50 μs
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	23500 Ohm +/- 15 %
Insulation resistance	1000 MOhm at 500 V DC
Test levels	Level A
Mounting position	Any position
Average consumption in VA	0.82 VA 60 Hz
Drop-out voltage threshold	>= 0.3 U <sub>c</sub> AC
Control circuit voltage limits	0.8...1.1 U <sub>c</sub> AC
Coil insulation class	Class F
Operate time	20 ms
Release time	20 ms
[U <sub>c</sub> ] control circuit voltage	230 V AC 50/60 Hz

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)
Net 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	IEC 61810-1 UL 508 CSA C22.2 No 14
Product Certifications	UL CSA EAC CE DNV-GL
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	3606480689031
Nbr. of units in pkg.	1
Package weight(Lbs)	0.71 oz (20.1 g)
Returnability	No
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.14 in (2.89 cm)
Package 1 width	0.50 in (1.27 cm)
Package 1 Length	1.36 in (3.452 cm)

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>

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China RoHS Regulation

 [China RoHS Declaration](#)

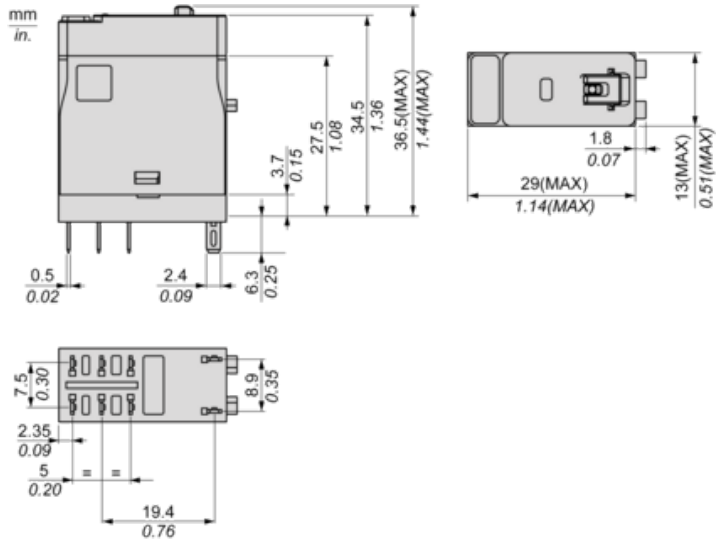
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Environmental Disclosure

 [Product Environmental Profile](#)

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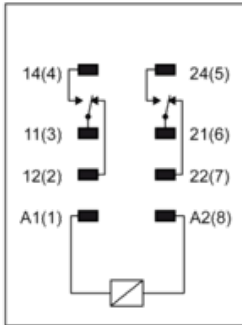
Dimensions



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Wiring Diagram

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Performance Curves

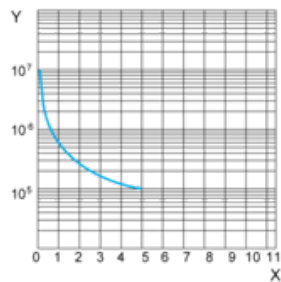
Maximum Switching Capacity



- X : Switching voltage (V)
- Y : Switching current (A)
- (1) AC Resistive Load
- (2) AC Inductive Load  $\cos(\phi)=0.4$
- (3) DC Resistive Load
- (4) DC Inductive Load ( $L/R=7\text{ms}$ )

Life Expectancy

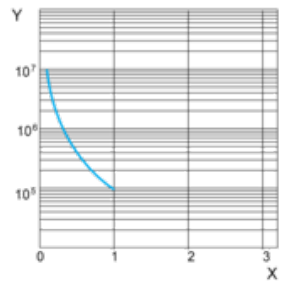
Resistive Load



- 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

## AC Coil Operating Range VS Ambient Temperature



X : Ambient temperature (°C)

Y : Coil voltage (U/Uc)

(1) Permitted operating range area

# Mouser Electronics

Authorized Distributor

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[RXG21P7](#)