



## 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   | With  |
| 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<br>5 A 30 V DC) IEC<br>5 A 250 V AC) IEC<br>5 A 250 V AC) UL  |
| Maximum switching voltage                                | 250 V AC<br>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<br><= 18000 cycles/hour no-load  |
| Utilisation coefficient                                  | 20 %  |
| Mechanical durability                                    | 10000000 cycles   |
| Electrical durability                                    | 100000 Cycles NO resistive at 55 °C<br>100000 cycles NC resistive at 55 °C  |
| [U <sub>i</sub> ] rated insulation voltage               | 250 V IEC<br>300 V CSA<br>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<br>5000 V AC between coil and contact with reinforced insulation<br>3000 V AC between poles with basic insulation |
| Coil resistance  | 1100 Ohm +/- 10 %   |
| 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                | 48 V AC 50/60 Hz  |

|                         |                       |
|-------------------------|-----------------------|
| Safety reliability data | B10d = 100000         |
| Colour of cover         | Standard              |
| 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<br>5 gn +/- 0.75 mm 10...150 Hz)not in operation |
| IP Degree of Protection               | IP40   |
| Shock resistance                      | 20 gn in operation<br>100 gn not in operation  |
| Protection category                   | RT I   |
| Standards                             | IEC 61810-1<br>CSA C22.2 No 14<br>UL 508   |
| Product Certifications                | UL<br>EAC<br>CSA<br>CE<br>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                  | 3606480689222               |
| Nbr. of units in pkg. | 1                           |
| Package weight(Lbs)   | 0.81 oz (22.9 g)            |
| Returnability         | No                          |
| Country of origin     | CN                          |

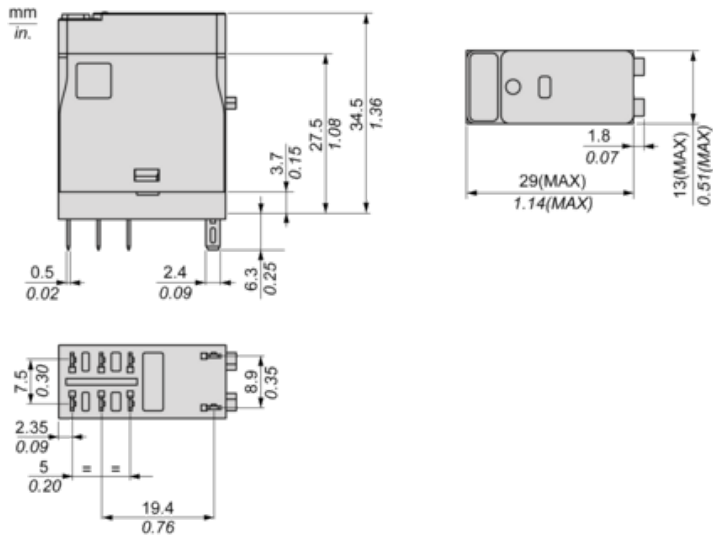
## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.36 in (3.45 cm)      |
| Package 1 width              | 3.64 in (9.25 cm)      |
| Package 1 Length             | 3.39 in (8.6 cm)       |
| Unit Type of Package 2       | BB1                    |
| Number of Units in Package 2 | 10                     |
| Package 2 Weight             | 7.80 oz (221.0 g)      |
| Package 2 Height             | 1.34 in (3.4 cm)       |
| Package 2 width              | 3.23 in (8.2 cm)       |
| Package 2 Length             | 3.54 in (9 cm)         |
| Unit Type of Package 3       | S01                    |
| Number of Units in Package 3 | 200                    |
| Package 3 Weight             | 10.21 lb(US) (4.63 kg) |
| Package 3 Height             | 5.91 in (15 cm)        |
| Package 3 width              | 5.91 in (15 cm)        |
| Package 3 Length             | 15.75 in (40 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>  |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>  |

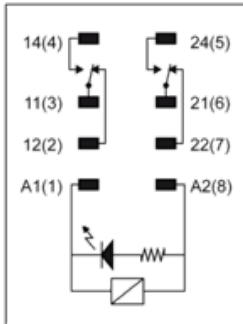
Dimensions



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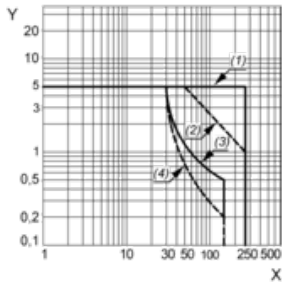
Wiring Diagram

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Performance Curves

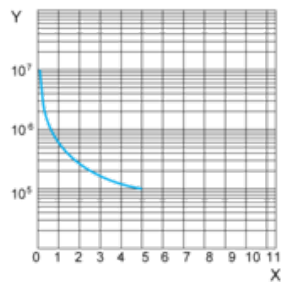
Maximum Switching Capacity



- 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

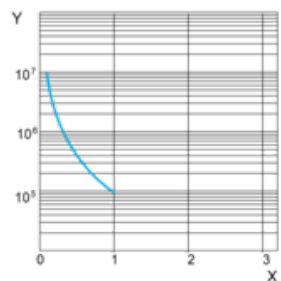
Resistive Load



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

Life Expectancy

Inductive Load

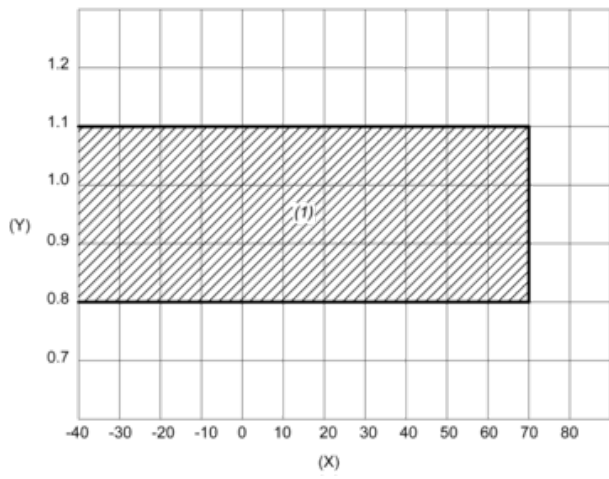


- X : Contact Current (A)
- Y : Operating Cycle Number

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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