

# Product data sheet

Specifications



## Interface plug in relay, Harmony, 5A, 2CO, clear cover, 120V AC

RXG25F7

Discontinued on: 09 October 2023

Product availability : Stock - Normally stocked in distribution facility

Discontinued

Price\* : 6.95 USD

### 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

|  |   |
|--|---|
| Contacts material                            | Silver alloy (AgSnO2In2O3)  |
| Maximum contact resistance                   | 100 mOhm  |
| [Ithe] conventional enclosed thermal current | 5 A -40...131 °F (-40...55 °C)  |
| [Ie] 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  |
| [Ui] rated insulation voltage                | 250 V IEC<br>300 V CSA<br>300 V UL  |
| 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                              | 6300 Ohm +/- 10 %   |

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

|                                |                        |
|--------------------------------|------------------------|
| Insulation resistance          | 1000 MOhm at 500 V DC  |
| Test levels                    | Level A group mounting |
| Mounting position              | Any position           |
| Average consumption in VA      | 0.82 VA 60 Hz          |
| Drop-out voltage threshold     | >= 0.3 Uc AC           |
| Control circuit voltage limits | 0.8...1.1 Uc AC        |
| Coil insulation class          | Class F                |
| Operate time                   | 20 ms                  |
| Release time                   | 20 ms                  |
| [Uc] control circuit voltage   | 120 V AC 50/60 Hz      |
| Safety reliability data        | B10d = 100000          |
| Colour of cover                | Transparent            |
| Torque Value                   | 7.08 lbf.in (0.8 N.m)  |
| Net Weight                     | 0.04 lb(US) (0.019 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                             | UL 508<br>IEC 61810-1<br>CSA C22.2 No 14   |
| Product Certifications                | EAC<br>CSA<br>CE<br>UL<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              | 3606480689345               |
| Returnability     | Yes                         |
| Country of origin | CN                          |

## Packing Units

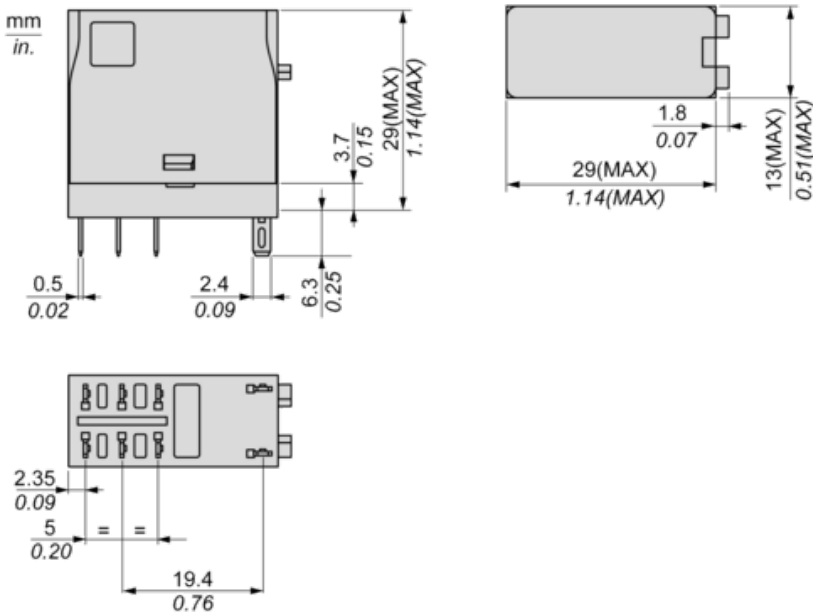
|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |

|                              |                         |
|------------------------------|-------------------------|
| 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)        |
| Package 1 Weight             | 7.72 oz (219 g)         |
| Unit Type of Package 2       | BB1                     |
| Number of Units in Package 2 | 10                      |
| Package 2 Height             | 1.34 in (3.4 cm)        |
| Package 2 Width              | 2.95 in (7.5 cm)        |
| Package 2 Length             | 3.23 in (8.2 cm)        |
| Package 2 Weight             | 7.69 oz (218 g)         |
| Unit Type of Package 3       | S01                     |
| Number of Units in Package 3 | 240                     |
| Package 3 Height             | 5.91 in (15 cm)         |
| Package 3 Width              | 5.91 in (15 cm)         |
| Package 3 Length             | 15.75 in (40 cm)        |
| Package 3 Weight             | 12.03 lb(US) (5.457 kg) |

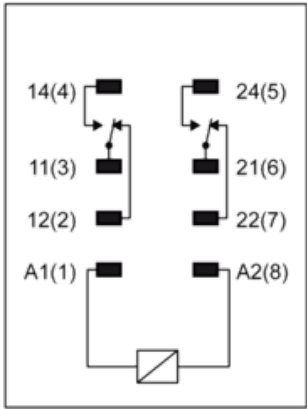
### Offer Sustainability

|                            |  |
|----------------------------|--|
| 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)<br><a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free     | Yes  |
| Mercury free               | Yes  |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>   |
| RoHS exemption information | <a href="#">Yes</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>  |
| Circularity Profile        | No need of specific recycling operations   |

Dimensions



Wiring Diagram



Performance Curves

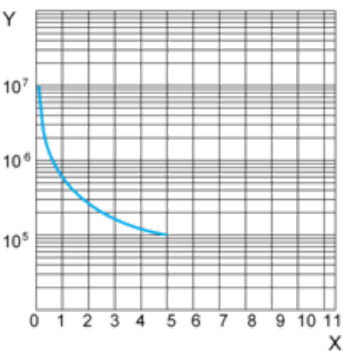
Maximum Switching Capacity



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

Life Expectancy

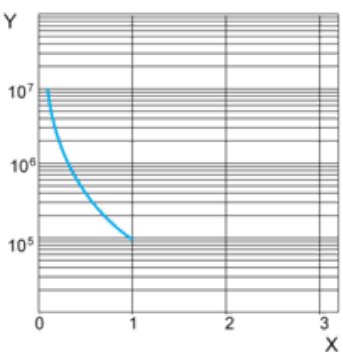
Resistive Load



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

Life Expectancy

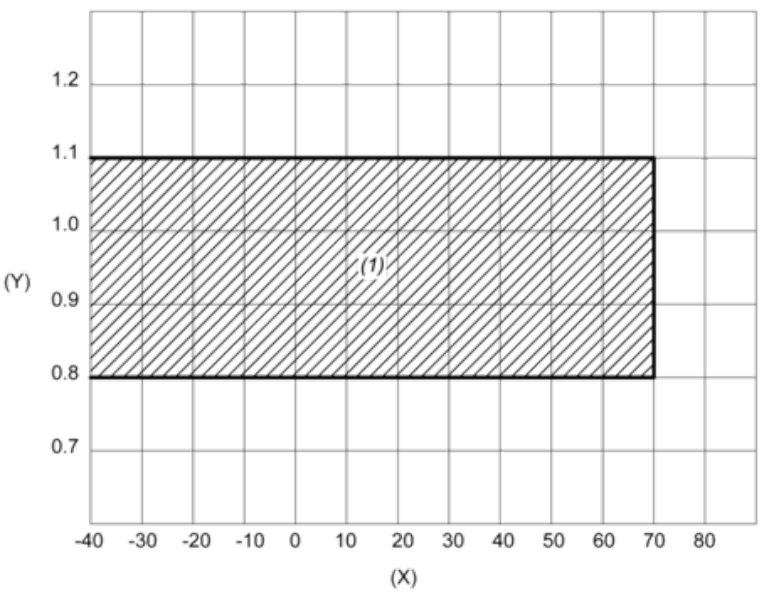
Inductive Load



- 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

AC Coil Operating Range VS Ambient Temperature



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

Recommended replacement(s)