

# Product data sheet

Specifications



## Harmony, Miniature plug-in relay, 3 A, 4 CO, with lockable test button, 12 V DC

RXM4GB1JD

⚠ Discontinued on: 09 October 2023

⚠ Discontinued

Product availability : Stock - Normally stocked in distribution facility

Price\* : 10.98 USD

### Main

|  |                                  |
|--|----------------------------------|
| Range of Product                             | Harmony Electromechanical Relays |
| Series name                                  | Miniature                        |
| Product or Component Type                    | Plug-in relay                    |
| Device short name                            | RXM                              |
| Contacts type and composition                | 4 C/O                            |
| [Uc] control circuit voltage                 | 12 V DC                          |
| [Ithe] conventional enclosed thermal current | 3 A -40...131 °F (-40...55 °C)   |
| Status LED                                   | Without                          |
| Control type                                 | Lockable test button             |
| Utilisation coefficient                      | 20 %                             |

### Complementary

|  |   |
|--|---|
| Shape of pin                           | Flat  |
| [Ui] rated insulation voltage          | 250 V IEC<br>300 V CSA<br>300 V UL  |
| [Uimp] rated impulse withstand voltage | 2.5 kV 1.2/50 µs  |
| Contacts material                      | Gold plated bifurcated silver   |
| [Ie] rated operational current         | 2 A 28 V DC) NO IEC<br>2 A 250 V AC) NO IEC<br>1 A 28 V DC) NC IEC<br>1 A 250 V AC) NC IEC<br>3 A 28 V DC) UL<br>3 A 277 V AC) UL |
| Maximum switching voltage              | 250 V IEC   |
| Resistive rated load                   | 3 A 250 V AC<br>3 A 28 V DC   |
| Maximum switching capacity             | 750 VA/84 W   |
| Minimum switching capacity             | 15 mW 3 mA, 5 V   |
| Operating rate                         | <= 1200 cycles/hour under load<br><= 18000 cycles/hour no-load  |

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

|                                  |  |
|----------------------------------|--|
| Mechanical durability            | 10000000 cycles  |
| Electrical durability            | 100000 cycles resistive depending on mounting position and working environment |
| Average coil consumption         | 0.9 W  |
| Drop-out voltage threshold       | >= 0.1 Uc  |
| Operate time                     | 20 ms  |
| Release time                     | 20 ms  |
| Average coil resistance          | 160 Ohm 20 °C +/- 10 %   |
| Rated operational voltage limits | 9.6...13.2 V DC  |
| Protection category              | RT I   |
| Test levels                      | Level A group mounting   |
| Operating position               | Any position   |
| Net Weight                       | 0.08 lb(US) (0.037 kg)   |
| Device presentation              | Complete product   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Dielectric strength                   | 1300 V AC between contacts with micro disconnection<br>2000 V AC between coil and contact<br>2000 V AC between poles |
| Product Certifications                | Lloyd's<br>CE<br>GOST<br>CSA<br>UL   |
| Standards                             | UL 508<br>EN/IEC 61810-1<br>CSA C22.2 No 14  |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C)   |
| Ambient air temperature for operation | -40...131 °F (-40...55 °C)   |
| Vibration resistance                  | 3 gn +/- 1 mm 10...150 Hz)5 cycles in operation<br>5 gn +/- 1 mm 10...150 Hz)5 cycles not operating                  |
| IP degree of protection               | IP40 conforming to EN/IEC 60529  |
| Shock resistance                      | 10 gnin operation<br>30 gnnot operating  |
| Pollution degree                      | 2  |

## Ordering and shipping details

|                   |                             |
|-------------------|-----------------------------|
| Category          | 21127-ZELIO ICE CUBE RELAYS |
| Discount Schedule | CP2                         |
| GTIN              | 3389119403955               |
| Returnability     | No                          |
| Country of origin | CN                          |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type of Package 1       | PCE               |
| Number of Units in Package 1 | 1                 |
| Package 1 Height             | 1.22 in (3.1 cm)  |
| Package 1 Width              | 4.06 in (10.3 cm) |
| Package 1 Length             | 4.92 in (12.5 cm) |

|                              |                         |
|------------------------------|-------------------------|
| Package 1 Weight             | 1.34 oz (38 g)          |
| Unit Type of Package 2       | BB1                     |
| Number of Units in Package 2 | 10                      |
| Package 2 Height             | 1.22 in (3.1 cm)        |
| Package 2 Width              | 4.06 in (10.3 cm)       |
| Package 2 Length             | 4.92 in (12.5 cm)       |
| Package 2 Weight             | 13.97 oz (396 g)        |
| Unit Type of Package 3       | S01                     |
| Number of Units in Package 3 | 120                     |
| 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             | 11.03 lb(US) (5.002 kg) |

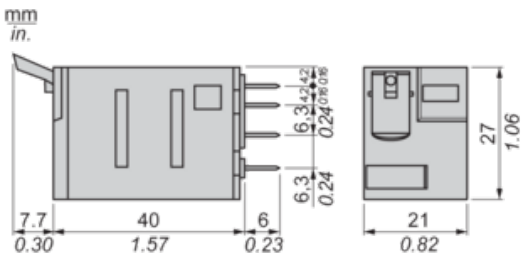
### Offer Sustainability

|                           |  |
|---------------------------|--|
| 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>  |
| China RoHS Regulation     | <a href="#">China RoHS declaration</a>   |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>  |
| Circularity Profile       | <a href="#">End of Life Information</a>  |
| WEEE                      | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.   |

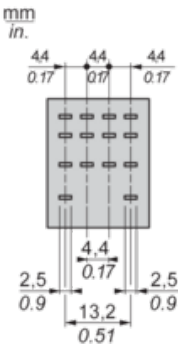
### Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



Pin Side View



Wiring Diagram

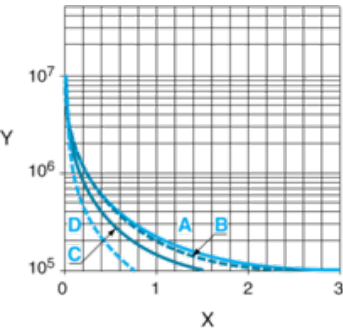


Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

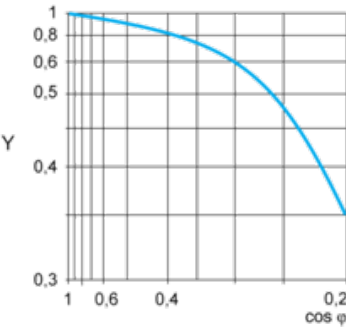
Durability (inductive load) = durability (resistive load) x reduction coefficient.

Resistive AC load



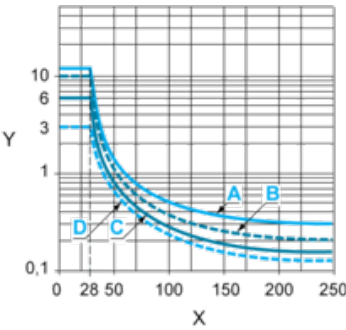
- X Switching capacity (kVA)
- Y Durability (Number of operating cycles)
- A RXM2AB...
- B RXM3AB...
- C RXM4AB...
- D RXM4GB...

Reduction coefficient for inductive AC load (depending on power factor cos φ)



- Y Reduction coefficient (A)

Maximum switching capacity on resistive DC load



- X Voltage DC
- Y Current DC
- A RXM2AB...
- B RXM3AB...
- C RXM4AB...
- D RXM4GB...

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

Recommended replacement(s)