

Product data sheet

Specifications



miniature plug in relay, Harmony Electromechanical Relays, 3A, 4CO, lockable test button, 230V AC

RXM4GB1P7

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

Price*: 7.32 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 | 230 V AC 50/60 Hz |
| [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 300 V CSA 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 2 A 250 V AC) NO IEC 1 A 28 V DC) NC IEC 1 A 250 V AC) NC IEC 3 A 28 V DC) UL 3 A 277 V AC) UL |
| Maximum switching voltage | 250 V IEC |
| resistive rated load | 3 A 250 V AC 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 <= 18000 cycles/hour no-load |
| Mechanical durability | 10000000 cycles |
| Electrical durability | 100000 cycles resistive depending on mounting position and working environment |

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

| | |
|----------------------------------|--------------------------|
| average coil consumption in VA | 1.2 60 Hz |
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| Drop-out voltage threshold | >= 0.15 U _c |
| operate time | 20 ms |
| release time | 20 ms |
| average coil resistance | 15000 Ohm 20 °C +/- 15 % |
| Rated operational voltage limits | 184...253 V AC |
| Protection category | RT I |
| Test levels | Level A group mounting |
| Operating position | Any position |
| Net Weight | 0.082 lb(US) (0.037 kg) |
| Device presentation | Complete product |

Environment

| | |
|---------------------------------------|--|
| Dielectric strength | 1300 V AC between contacts with micro disconnection 2000 V AC between coil and contact 2000 V AC between poles |
| Product Certifications | UL Lloyd's CE CSA GOST IECEE CB Scheme |
| Standards | CSA C22.2 No 14 IEC 61810-1 UL 508 |
| 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 5 gn +/- 1 mm 10...150 Hz)5 cycles not operating |
| IP degree of protection | IP40 conforming to IEC 60529 |
| Shock resistance | 10 gn in operation 30 gn not operating |
| Pollution degree | 2 |

Ordering and shipping details

| | |
|-------------------|---------------|
| Category | US10CP221127 |
| Discount Schedule | 0CP2 |
| GTIN | 3389119403962 |
| Returnability | No |
| Country of origin | CN |

Packing Units

| | |
|------------------------------|---------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 0.787 in (2.000 cm) |
| Package 1 Width | 1.102 in (2.800 cm) |

| | |
|-------------------------------------|--------------------------|
| Package 1 Length | 1.890 in (4.800 cm) |
| Package 1 Weight | 1.235 oz (35.000 g) |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 1.299 in (3.300 cm) |
| Package 2 Width | 4.055 in (10.300 cm) |
| Package 2 Length | 5.039 in (12.800 cm) |
| Package 2 Weight | 13.333 oz (378.000 g) |
| Unit Type of Package 3 | S02 |
| Number of Units in Package 3 | 240 |
| Package 3 Height | 5.906 in (15.000 cm) |
| Package 3 Width | 11.811 in (30.000 cm) |
| Package 3 Length | 15.748 in (40.000 cm) |
| Package 3 Weight | 21.034 lb(US) (9.541 kg) |

Contractual warranty

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

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.


[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

 Reach Free Of Svhc

 Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Pro-active compliance (Product out of EU RoHS legal scope)

[EU RoHS Declaration](#)

China Rohs Regulation

[China RoHS declaration](#)

Environmental Disclosure

[Product Environmental Profile](#)

Weee

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Circularity Profile

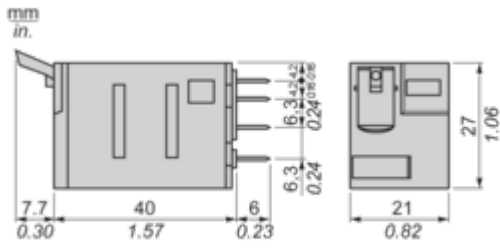
[End of Life Information](#)

California Proposition 65

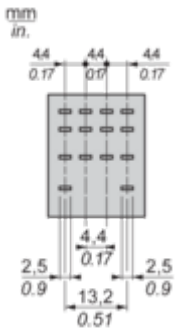
"WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov"

Dimensions Drawings

Dimensions



Pin Side View



Connections and Schema

Wiring Diagram

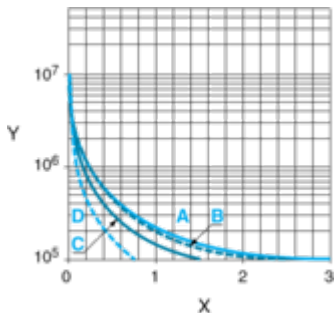


Symbols shown in blue correspond to Nema marking.

Performance Curves

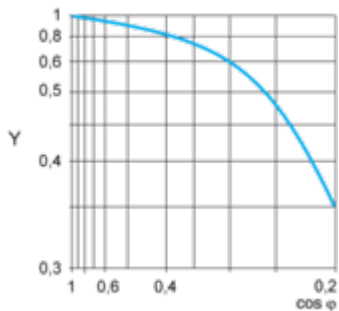
Electrical Durability of Contacts

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

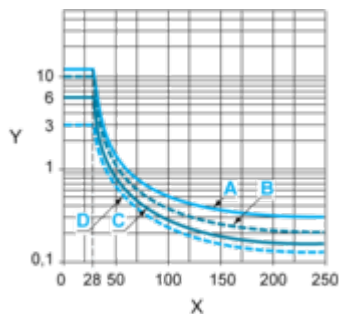


- X Switching capacity (kVA)
- Y Durability (Number of operating cycles)
- A RXM2AB...
- B RXM3AB...
- C RXM4AB...
- D RXM4GB...

Reduction coefficient for inductive AC load (depending on power factor $\cos \phi$)



- 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.

Technical Illustration

Dimensions

