



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



Main

| | |
|--|--------------------------------|
| Range of product | Zelio Relay |
| 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 | 48 V DC |
| [Ithe] conventional enclosed thermal current | 6 A -40...131 °F (-40...55 °C) |
| Status LED | With |
| 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 | AgNi |
| [Ie] rated operational current | 3 A 28 V DC) NC IEC 3 A 250 V AC) NC IEC 6 A 28 V DC) NO IEC 6 A 250 V AC) NO IEC 6 A 277 V AC) UL 8 A 30 V DC) UL |
| Maximum switching voltage | 250 V IEC |
| Resistive rated load | 6 A 250 V AC 6 A 28 V DC |
| Maximum switching capacity | 1500 VA/168 W |
| Minimum switching capacity | 170 mW 10 mA, 17 V |
| Operating rate | <= 1200 cycles/hour under load <= 18000 cycles/hour no-load |
| Mechanical durability | 10000000 cycles |
| Electrical durability | 100000 cycles resistive |
| Average coil consumption in W | 0.9 W |
| Drop-out voltage threshold | >= 0.1 U _c |
| Operate time | 20 ms |
| Release time | 20 ms |
| Average coil resistance | 2560 Ohm 20 °C +/- 10 % |
| Rated operational voltage limits | 38.4...52.8 V DC |
| Safety reliability data | B10d = 100000 |
| Protection category | RT I |
| Test levels | Level A |
| Operating position | Any position |
| CAD overall height | 3.11 in (79 mm) |
| CAD overall depth | 3.09 in (78.45 mm) |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|---------------------|------------------------|
| Net weight | 0.08 lb(US) (0.037 kg) |
| Device presentation | Complete product |

Environment

| | |
|---------------------------------------|--|
| Dielectric strength | 1300 V AC between contacts micro disconnection 2000 V AC between coil and contact reinforced 2000 V AC between poles basic |
| Product certifications | GOST RoHS Lloyd's UL REACH CE CSA |
| Standards | CSA C22.2 No 14 UL 508 EN/IEC 61810-1 |
| 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 EN/IEC 60529 |
| Shock resistance | 10 gnin operation 30 gnnot operating |
| Pollution degree | 2 |

Ordering and shipping details

| | |
|---------------------|-------------------------------|
| Category | 21127 - ZELIO ICE CUBE RELAYS |
| Discount Schedule | CP2 |
| GTIN | 00785901673866 |
| Package weight(Lbs) | 0.04 kg (0.08 lb(US)) |
| Returnability | No |
| Country of origin | ID |

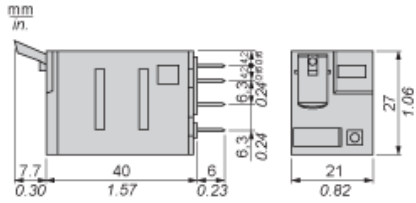
Offer Sustainability

| | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

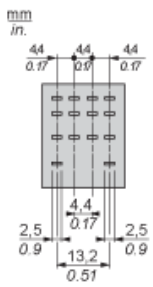
Contractual warranty

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

Dimensions



Pin Side View



Wiring Diagram

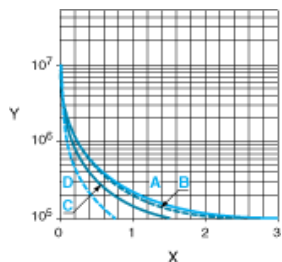


Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

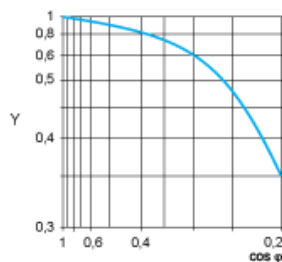
Durability (inductive load) = durability (resistive load) x reduction coefficient.

Resistive AC load



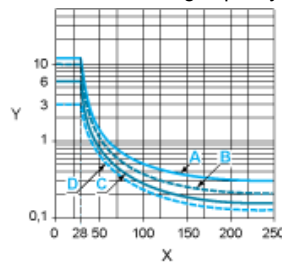
- X Switching capacity (kVA)
- Y Durability (Number of operating cycles)
- A RXM2AB...
- B RXM3AB...
- C RXM4AB...
- D RXM4GB...

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



- 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.