

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 |
| Contacts operation | Standard |
| Control circuit voltage | 120 V AC |
| [the] conventional enclosed thermal current | 6 A at ≤ 55 °C |
| Status LED | Without |
| Control type | Pushbutton |
| Coil interference suppression | Without |
| Utilisation coefficient | 20 % |
| Sale per indivisible quantity | 10 |

Complementary

| | |
|--|--|
| [Ui] rated insulation voltage | 250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 61000-4-5 |
| Contacts material | Silver alloy (Ag/Ni) |
| [Ie] rated operational current | 3 A (AC-1/DC-1) NC conforming to IEC 6 A (AC-1/DC-1) NO conforming to IEC 8 A (AC-1/DC-1) conforming to UL |
| Minimum switching current | 10 mA |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 17 V |
| Resistive rated load | 6 A at 250 V AC 6 A at 28 V DC |
| Maximum switching capacity | 1500 VA, AC circuit 168 W, DC circuit |
| Minimum switching capacity | 170 mW |
| Operating rate | ≤ 20 cyc/mn (under load) ≤ 300 cyc/mn (no-load) |
| Mechanical durability | 10000000 cycles |
| Electrical durability | 100000 cycles for resistive load |
| Average consumption in W | 0.9 W, DC circuit |
| Average consumption in VA | 1.2, AC circuit |
| Drop-out voltage threshold | ≥ 0.1 U _c (DC) ≥ 0.15 U _c (AC) |
| Operating time | 20 ms between coil de-energisation and making of the Off-delay contact (AC/DC) 20 ms between coil energisation and making of the On-delay contact (AC/DC) |
| Average resistance | 4430 Ohm, AC circuit at 20 °C +/- 15 % |
| Rated operational voltage limits | 96...132 V AC |
| Protection category | RT I |
| Operating position | Any position |
| CAD overall width | 21 mm |

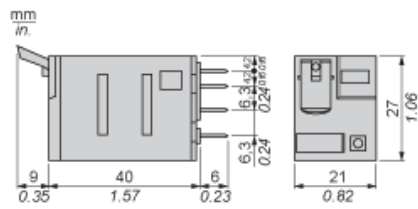
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| CAD overall height | 27 mm |
| CAD overall depth | 55 mm |
| Product weight | 0.037 kg |

Environment

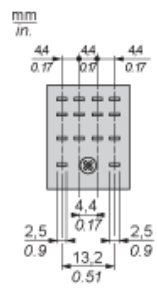
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|---------------------------------------|--|
| Dielectric strength | 1500 V AC (between contacts) 1550 V AC (between coil and contact) 1550 V AC (between poles) |
| Product certifications | CSA UL |
| Standards | CSA C22-2 No 14 EN/IEC 61810-1 (iss. 2) UL 508 |
| Ambient air temperature for storage | -40...85 °C |
| Ambient air temperature for operation | -40...55 °C |
| Vibration resistance | 3 gn (f = 10...150 Hz), amplitude +/- 1 mm (on opening) conforming to EN/IEC 60068-2-27 5 gn (f = 10...150 Hz), amplitude +/- 1 mm (on closing) conforming to EN/IEC 60068-2-27 |
| IP degree of protection | IP40 conforming to EN/IEC 60529 |
| Shock resistance | 15 gn on closing conforming to EN/IEC 60068-2-27 15 gn on opening conforming to EN/IEC 60068-2-27 |
| RoHS EUR status | Compliant |
| RoHS EUR conformity date | 0801 |

Miniature Relay

Dimensions

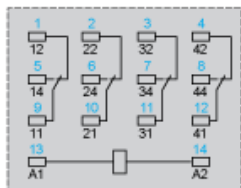
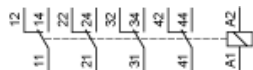


Pin Side View



Miniature Relay

Wiring Diagram



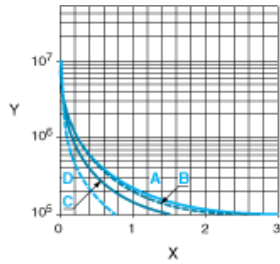
Symbols shown in blue correspond to Nema marking.

RXM Miniature Relays

Electrical Durability of Contacts

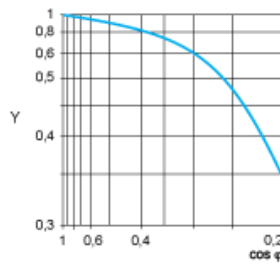
Durability (inductive load) = durability (resistive load) x reduction coefficient.

Resistive AC load



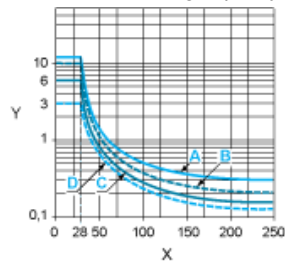
- X Switching capacity (kVA)
- Y Durability (Number of operating cycles)
- A RXM2AB...
- B RXM3AB...
- C RXM4AB...
- D RXM4GB...

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...