# Product data sheet
## Characteristics

# RXM2LB2B7
## miniature plug-in relay - Zelio RXM2L - 2 C/O - 24 V AC - 5 A - with LED


## Main

| | |
|---|---|
| Range of product | Zelio Relay |
| Series name | Miniature |
| Product or component type | Plug-in relay |
| Device short name | RXM |
| Coil interference suppression | Without |
| Utilisation coefficient | 20 % |
| Sale per indivisible quantity | 10 |

## Complementary

| | |
|---|---|
| Contact operation | Standard |
| [Uc] control circuit voltage | 24 V AC 50/60 Hz |
| [Ithe] conventional enclosed thermal current | 5 A at -40...55 °C |
| Status LED | With |
| Control type | Without push-button |
| [Ui] rated insulation voltage | 250 V conforming to IEC |
| [Uimp] rated impulse withstand voltage | 3.6 kV (1.2/50 µs) conforming to IEC 61810-7 |
| Contacts material | Silver alloy (Ag/Ni) |
| [Ie] rated operational current | 5 A (AC-1/DC-1) NO conforming to IEC<br>2.5 A (AC-1/DC-1) NC conforming to IEC |
| Minimum switching current | 10 mA |
| Maximum switching voltage | 250 V AC<br>250 V DC |
| Minimum switching voltage | 17 V |
| Load current | 5 A at 250 V AC<br>5 A at 28 V DC |
| Maximum switching capacity | 1250 VA network: AC<br>140 W network: DC |
| Minimum switching capacity | 170 mW |

| | |
|---|---|
| Operating rate | <= 18000 cycles/hour no-load<br><= 1200 cycles/hour under load |
| Mechanical durability | 10000000 cycles |
| Electrical durability | 100000 cycles for resistive load |
| Average coil consumption in VA | 1.2 AC |
| Drop-out voltage threshold | AC : >= 0.15 Uc |
| Operating time | 20 ms between coil de-energisation and making of the Off-delay contact<br>20 ms between coil energisation and making of the On-delay contact |
| Average resistance | 160 Ohm network: AC at 20 °C +/- 15 % |
| Rated operational voltage limits | 19.2...26.4 V AC |
| Protection category | RT I |
| Test levels | Level A group mounting |
| Operating position | Any position |
| CAD overall width | 21 mm |
| CAD overall height | 27 mm |
| CAD overall depth | 46 mm |
| Product weight | 0.033 kg |
| Safety reliability data | B10d = 100000 |

## Environment

| | |
|---|---|
| Dielectric strength | 2000 V AC between coil and contact<br>2000 V AC between poles<br>1000 V AC between contacts |
| Standards | EN/IEC 61810-1 (iss. 2)<br>CE<br>RoHS compliant |
| Ambient air temperature for storage | -40...85 °C |
| Ambient air temperature for operation | -40...55 °C |
| Vibration resistance | 3 gn, amplitude = +/- 1 mm (f= 10...50 Hz) operating conforming to EN/IEC 60068-2-6<br>6 gn, amplitude = +/- 1 mm (f= 10...50 Hz) not operating conforming to EN/IEC 60068-2-6 |
| IP degree of protection | IP40 conforming to EN/IEC 60529 |
| Shock resistance | 10 gn for opening conforming to EN/IEC 60068-2-27<br>5 gn for closing conforming to EN/IEC 60068-2-27 |

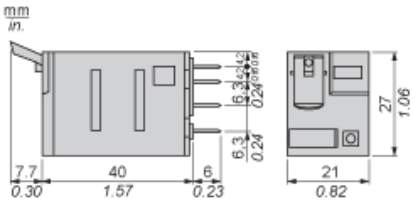
## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| Product environmental profile | Available<br>Product Environmental Profile |
| Product end of life instructions | Need no specific recycling operations |

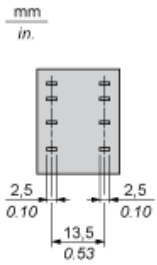
## Contractual warranty

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

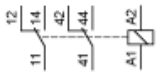
## Dimensions

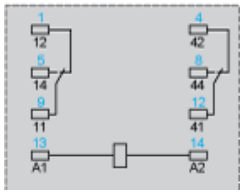



Pin Side View



## Wiring Diagram




Symbols shown in blue correspond to Nema marking.

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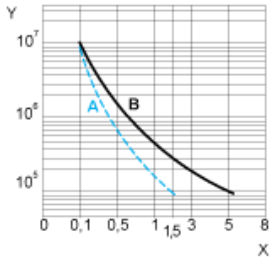
## Electrical Durability of Contacts

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

For 2 Poles Relay




X : Contact current (A)
Y : Durability (Number of operating cycles)
A : Inductive load
B : Resistive load

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

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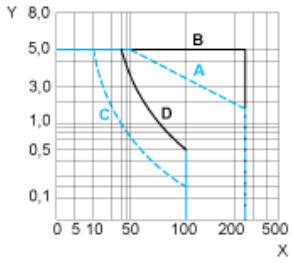
## Maximum Switching Capacity

For 2 Poles Relay




X : Contact voltage (v)
Y : Contact current (A)
A : Inductive AC load
B : Resistive AC load
C : Inductive DC load
D : Resistive DC load

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