



### 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	48 V DC
[Ithe] conventional enclosed thermal current	3 A at -40...55 °C
Status LED	Without
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	3 A (AC-1/DC-1) NO conforming to IEC 1.5 A (AC-1/DC-1) NC conforming to IEC
Minimum switching current	10 mA
Maximum switching voltage	250 V AC 250 V DC
Minimum switching voltage	17 V
Load current	3 A at 250 V AC 3 A at 28 V DC
Maximum switching capacity	750 VA network: AC 84 W network: DC
Minimum switching capacity	170 mW

Operating rate	<= 18000 cycles/hour no-load <= 1200 cycles/hour under load
Mechanical durability	10000000 cycles
Electrical durability	100000 cycles for resistive load
Average coil consumption	0.9 W DC
Drop-out voltage threshold	DC : >= 0.1 Uc
Operating time	20 ms between coil de-energisation and making of the Off-delay contact 20 ms between coil energisation and making of the On-delay contact
Average resistance	2600 Ohm network: DC at 20 °C +/- 10 %
Rated operational voltage limits	38.4...52.8 V DC
Protection category	RT I
Operating position	Any position
CAD overall width	21 mm
CAD overall height	27 mm
CAD overall depth	46 mm
Product weight	0.034 kg
Safety reliability data	B10d = 100000

## Environment

Dielectric strength	2000 V AC between coil and contact 2000 V AC between poles 1000 V AC between contacts
Standards	CE EN/IEC 61810-1 (iss. 2) 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 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 5 gn for closing conforming to EN/IEC 60068-2-27

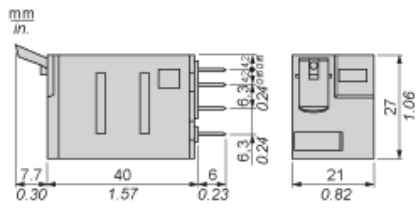
## Offer Sustainability

Sustainable offer status	Green Premium product
Product environmental profile	Available  <a href="#">Product environmental</a>
Product end of life instructions	Need no specific recycling operations

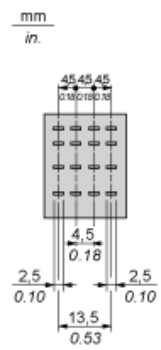
## Contractual warranty

Warranty period	18 months
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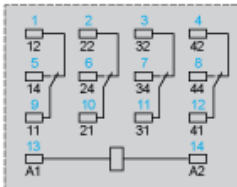
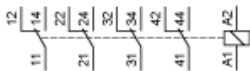
Dimensions



Pin Side View



Wiring Diagram



Symbols shown in blue correspond to Nema marking.

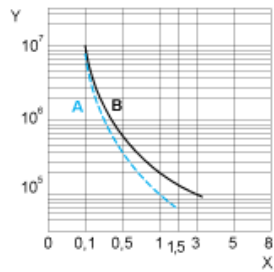
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Electrical Durability of Contacts

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

For 4 Poles Relay



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

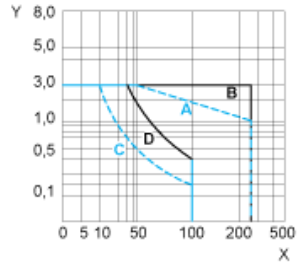
Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.

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Maximum Switching Capacity

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For 4 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.