



## 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


Contacts operation	Standard
Control circuit voltage	230 V AC
[I <sub>th</sub> ] conventional enclosed thermal current	3 A at -40...55 °C
Status LED	With
Control type	Without push-button
[U <sub>i</sub> ] rated insulation voltage	250 V conforming to IEC
[U <sub>imp</sub> ] rated impulse withstand voltage	3.6 kV (1.2/50 µs) conforming to IEC 61810-7
Contacts material	Silver alloy (Ag/Ni)
[I <sub>e</sub> ] rated operational current	1.5 A (AC-1/DC-1) NC conforming to IEC 3 A (AC-1/DC-1) NO conforming to IEC
Minimum switching current	10 mA
Maximum switching voltage	250 V DC 250 V AC
Minimum switching voltage	17 V
Load current	3 A at 28 V DC 3 A at 250 V AC
Maximum switching capacity	84 W network: DC 750 VA network: AC
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 consumption in VA	1.2 AC
Drop-out voltage threshold	AC : >= 0.15 U <sub>c</sub>
Operating time	20 ms between coil energisation and making of the On-delay contact 20 ms between coil de-energisation and making of the Off-delay contact
Average resistance	15000 Ohm network: AC at 20 °C +/- 15 %
Rated operational voltage limits	184...253 V AC
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	0.032 kg
Safety reliability data	B10d = 100000

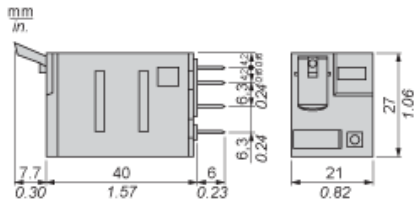
## Environment

Dielectric strength	1000 V AC between contacts 2000 V AC between poles 2000 V AC between coil and contact
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	6 gn, amplitude = +/- 1 mm (f= 10...50 Hz) not operating conforming to EN/IEC 60068-2-6 3 gn, amplitude = +/- 1 mm (f= 10...50 Hz) operating conforming to EN/IEC 60068-2-6
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	5 gn for closing conforming to EN/IEC 60068-2-27 10 gn for opening conforming to EN/IEC 60068-2-27

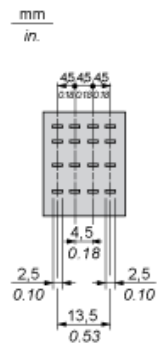
## Offer Sustainability

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

Dimensions



Pin Side View



## Wiring Diagram

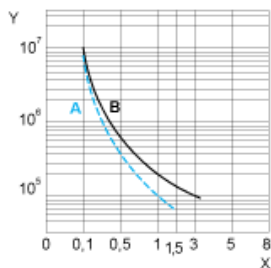


Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

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

For 4 Poles Relay

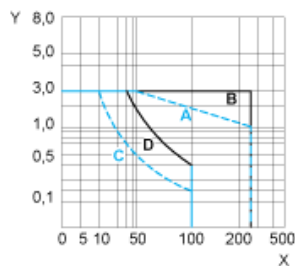


- X : Contact current (A)
- Y : Durability (Number of operating cycles)
- A : Inductive load
- B : Resistive load

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

Maximum Switching Capacity

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.