

## Main

Commercial Status	Commercialised
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	24 V AC
[Ithe] conventional enclosed thermal current	5 A at -40...55 °C
Status LED	With
Control type	Without pushbutton
[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	2.5 A (AC-1/DC-1) NC conforming to IEC 5 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	5 A at 28 V DC 5 A at 250 V AC
Maximum switching capacity	140 W network: DC 1250 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	160 Ohm network: AC at 20 °C +/- 15 %
Rated operational voltage limits	19.2...26.4 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	0.033 kg

## 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

## RoHS compliance

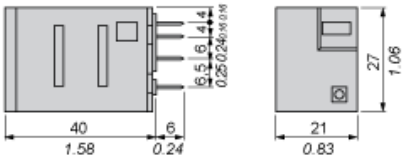
RoHS EUR status	Compliant
RoHS EUR conformity date(YYWW)	0848

## Contractual warranty

Period	18 months
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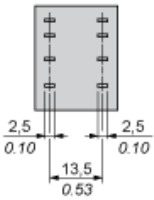
Dimensions

$\frac{\text{mm}}{\text{in.}}$

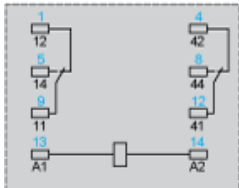
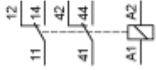


Pin Side View

$\frac{\text{mm}}{\text{in.}}$



## Wiring Diagram

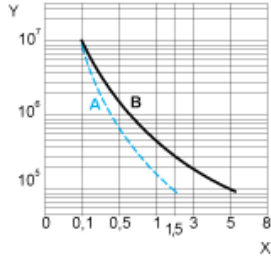


Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

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

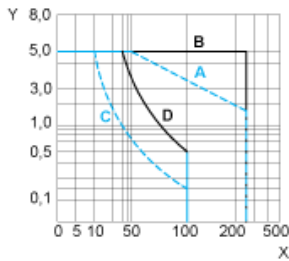
For 2 Poles Relay



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

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