Product datasheet
Characteristics

RXM2LB2P7
miniature plug-in relay - Zelio RXM2L - 2 C/O - 230 V AC - 5 A - with LED

Price* : 2.42 GBP

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	230 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 2.5 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	5 A at 250 V AC 5 A at 28 V DC
Maximum switching capacity	1250 VA network: AC 140 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 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 20 ms between coil energisation and making of the On-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	0.031 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

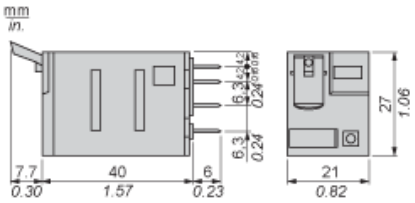
Offer Sustainability

Sustainable offer status	Green Premium product
Product environmental profile	Available Product environmental
Product end of life instructions	Need no specific recycling operations

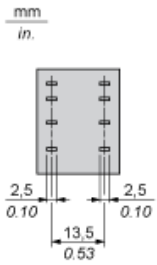
Contractual warranty

Warranty period	18 months

Dimensions



Pin Side View



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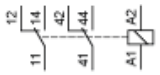
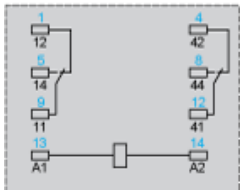
Wiring Diagram





Symbols shown in blue correspond to Nema marking.

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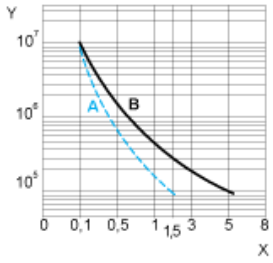
Electrical Durability of Contacts

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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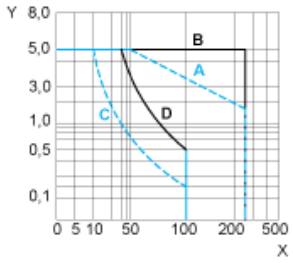
Maximum Switching Capacity

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.