Product data sheet
Characteristics

RXM4LB2B7
miniature plug-in relay - Zelio RXM2L - 4 C/O - 24 V AC - 3 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

Contacts operation	Standard
Control circuit voltage	24 V AC
[Ithe] conventional enclosed thermal current	3 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	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 Uc
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	0.035 kg
Safety reliability data	B10d = 100000

Environment

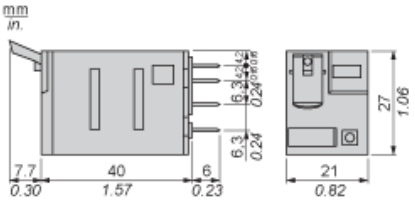
Dielectric strength	1000 V AC between contacts 2000 V AC between poles 2000 V AC between coil and contact
Standards	CE EN/IEC 61810-1 (iss. 2) RoHS compliant
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	-40...55 °C
Vibration resistance	6 gn, amplitude = +/- 1 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

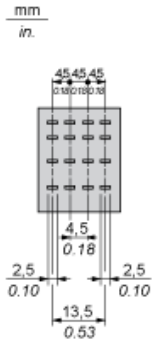
Sustainable offer status	Green Premium product
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

RXM4LB2B7

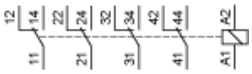
Dimensions

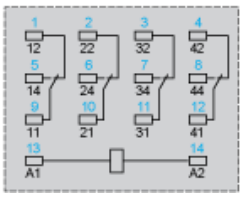


Pin Side View



Wiring Diagram



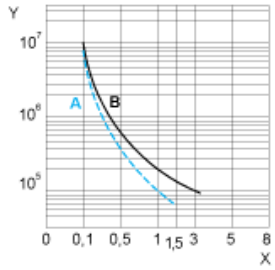


Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

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

For 4 Poles Relay

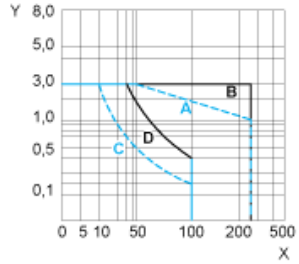


X : Contact current (A)
Y : Durability (Number of operating cycles)
A : Inductive load
B : Resistive load

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.