## **Product datasheet** Characteristics

# RXM4LB2P7

miniature plug-in relay - Zelio RXM2L - 4 C/O -230 V AC - 3 A - with LED





#### Main

Main	
Range of product	Harmony 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

Main Range of product Harmony 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 3 A at 4-4055 °C Control type Without push-button [Ur] rated insulation voltage 250 V conforming to IEC Contact material Silver alloy (Ag/Ni) [le] rated operational current 3 A (AC-1/DC-1) NO conforming to IEC Minimum switching current 10 mA Maximum switching voltage 17 V Indiana A at 250 V AC Sa V AC Sa V AC Sa V AC Sa V AC Minimum switching capacity 750 V AC Sa V AC Maximum switching capacity 750 V AC Ba V DC  Maximum switching capacity 750 V AC Ba V DC  Maximum switching capacity 750 V AC Ba V DC  Maximum switching capacity 750 V AC Ba V DC  Maximum switching capacity 750 V AC Ba V DC  Maximum switching capacity 750 V AC Ba V DC  Maximum switching capacity 750 V AC Ba V DC  Minimum switching capacity 750 V AC Ba V DC  Maximum switching capacity 750 V AC Ba V DC			
Range of product Harmony Relay  Series name Miniature  Product or component type Plug-in relay  Device short name RXM  Coll 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  Status LED With  Control type Without push-button  Uil rated insulation voltage 250 V conforming to IEC  Uimpl rated insulation voltage 3.6 kV during 1.2/50 µs conforming to IEC 61810-7  Contacts material Silver alloy (Ag/Ni)  Lel rated operational current 3.4 (AC-1/DC-1) NC conforming to IEC  Uinjimum switching current 10 mA  Maximum switching voltage 17 V  Load current 3.4 at 250 V AC 3.4 at 250 V AC  Maximum switching capacity 750 VAAC			
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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  Status LED  With  Control type  Without push-button  [Ui] rated insulation voltage  250 V conforming to IEC  [Uimp] rated impulse withstand voltage  3 A (AC-1/DC-1) NO conforming to IEC 61810-7  Contacts material  Silver alloy (Ag/Ni)  [Ie] rated operational current  3 A (AC-1/DC-1) NC conforming to IEC  1.5 A (AC-1/DC-1) NC conforming to IEC  Minimum switching current  10 mA  Maximum switching voltage  17 V  Load current  3 A at 250 V AC 250 V AC 250 V AC 3 A at 28 V DC  Maximum switching capacity  750 VA AC	Product or component type	Plug-in relay	
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 3. A at -4055 °C  Current  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 during 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 AC	Device short name	RXM	
Sale per indivisible quantity  Complementary  Contact operation  Control circuit voltage  230 V AC 50/60 Hz  [Ithe] conventional enclosed thermal current  Status LED  With  Control type  Without push-button  [Ui] rated insulation voltage  250 V conforming to IEC  [Uimp] rated impulse withstand voltage  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  250 V AC  250 V	Coil interference suppression	Without	
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Control circuit voltage   230 V AC 50/60 Hz	<u> </u>	Standard	
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Control type Without push-button  [Ui] rated insulation voltage 250 V conforming to IEC  [Uimp] rated impulse withstand voltage 3.6 kV during 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 AC	[Ithe] conventional enclosed thermal		
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Contacts material  Silver alloy (Ag/Ni)  [le] 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 AC	[Ui] rated insulation voltage	250 V conforming to IEC	
[le] 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 AC	[Uimp] rated impulse withstand voltage	3.6 kV during 1.2/50 µs conforming to IEC 61810-7	
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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 AC	[le] rated operational current		
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 AC	Minimum switching current	10 mA	
Load current 3 A at 250 V AC 3 A at 28 V DC  Maximum switching capacity 750 VA AC	Maximum switching voltage		
3 A at 28 V DC  Maximum switching capacity 750 VA AC	Minimum switching voltage	17 V	
	Load current		
	Maximum switching capacity		
Feb 10, 2021			

170 mW
<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
10000000 cycles
100000 cycles for resistive load
1.2 AC
>= 0.15 Uc AC
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
15000 Ohm network: AC at 20 °C +/- 15 %
184253 V AC
RT I
Level A group mounting
Any position
21 mm
27 mm
46 mm
0.032 kg
2000 V AC between coil and contact 2000 V AC between poles 1000 V AC between contacts
B10d = 100000

### Environment

Standards	CE EN/IEC 61810-1 (iss. 2)	
Ambient air temperature for storage	-4085 °C	
Ambient air temperature for operation	-4055 °C	
Vibration resistance	3 gn, amplitude = +/- 1 mm (f = 1050 Hz)operating conforming to EN/IEC 60068-2-6 6 gn, amplitude = +/- 1 mm (f = 1050 Hz)not operating conforming to EN/IEC 60068-2-6	
IP degree of protection	IP40 conforming to EN/IEC 60529	
Shock resistance	ance 10 gn for opening conforming to EN/IEC 60068-2-27 5 gn for closing conforming to EN/IEC 60068-2-27	

## Packing Units

Package 1 Weight	0.037 kg
Package 1 Height	0.410 dm
Package 1 width	0.210 dm
Package 1 Length	0.280 dm

## Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	REACh Declaration	
REACh free of SVHC	Yes	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration	
Toxic heavy metal free	Yes	
Mercury free	Yes	
RoHS exemption information	Yes	
China RoHS Regulation	China RoHS declaration	
Environmental Disclosure	Product Environmental Profile	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	

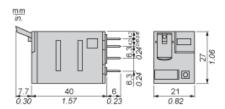
## Contractual warranty

Warranty 18 months

# Product datasheet Dimensions Drawings

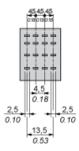
# RXM4LB2P7

#### Dimensions



Pin Side View

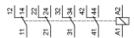


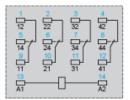


# Product datasheet Connections and Schema

# RXM4LB2P7

## Wiring Diagram





Symbols shown in blue correspond to Nema marking.

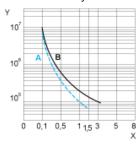
## **Product datasheet Performance Curves**

## RXM4LB2P7

#### **Electrical Durability of Contacts**

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

#### For 4 Poles Relay



Contact current (A)

X : Y : Durability (Number of operating cycles)

**A**: Inductive load **B** : Resistive load

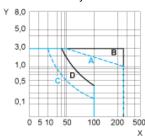
Note: These are typical curves, actual durability depends on load, environment, duty cycle, etc.

# Product datasheet Performance Curves

# RXM4LB2P7

## 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.