Thông số kỹ thuật





## miniature, Harmony Electromechanical Relays, 3A, 4CO, with LED, 230V AC

RXM4LB2P7

#### Main

Range of product	Harmony Electromechanical Relays	
Coil interference suppression	Without	
Series name	Miniature	
Product or component type	Plug-in relay	
Device short name	RXM	
Contacts type and composition	4 C/O	
[Ithe] conventional enclosed thermal current	3 A at -4055 °C	

### Complementary

Contact operation	Standard	
[Uc] control circuit voltage	230 V AC 50/60 Hz	
Status LED	With	
Control type	Without push-button	
[Uimp] rated impulse withstand voltage	2.5 kV during 1.2/50 µs conforming to IEC 61810-7	
[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 capacity	25 mW subject to switching frequency, environment or expected reliability level etc	
Average coil consumption in VA	nsumption in VA 1.2 AC	
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	
CAD overall width	21 mm	
CAD overall height	27 mm	
CAD overall depth	46 mm	
Minimum switching current	5 mA subject to switching frequency, environment or expected reliability level etc	
Minimum switching voltage	5 V subject to switching frequency, environment or expected reliability level etc	
Rated operational voltage limits	184253 V AC	
[Ui] rated insulation voltage	250 V conforming to IEC	
Maximum switching voltage	voltage 250 V AC 28 V DC	
Drop-out voltage threshold	>= 0.15 Uc AC	
Load current 3 A at 250 V AC 3 A at 28 V DC		

Maximum switching capacity	750 VA AC 84 W DC	
Average resistance	16500 Ohm at 23 °C +/- 15 %	
Mechanical durability	10000000 cycles	
Electrical durability	100000 cycles for resistive load	
Safety reliability data	B10d = 100000	
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load	
Utilisation coefficient	20 %	
Dielectric strength	2000 V AC between coil and contact with basic insulation 2000 V AC between poles with basic insulation 1000 V AC between contacts with micro disconnection	
Protection category	RTI	
Pollution degree	2	
Operating position	Any position	
Test levels	Level A group mounting	
Sale per indivisible quantity	10	
Contacts material	Silver alloy (Ag/Ni)	
Net weight	0.032 kg	

### **Environment**

IP degree of protection	IP40 conforming to IEC 60529	
Standards	CE IEC 61810-1 (iss. 2)	
Ambient air temperature for storage	-4085 °C	
Vibration resistance	3 gn, amplitude = +/- 1 mm (f = 1050 Hz)operating conforming to IEC 60068-2-6 6 gn, amplitude = +/- 1 mm (f = 1050 Hz)not operating conforming to IEC 60068-2-6	
Shock resistance	30 gn for not operating conforming to IEC 60068-2-27 10 gn for in operation conforming to IEC 60068-2-27	

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.096 cm
Package 1 Width	2.757 cm
Package 1 Length	4.581 cm
Package 1 Weight	34.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.1 cm
Package 2 Width	11.2 cm
Package 2 Length	13.6 cm
Package 2 Weight	0.361 kg
Unit Type of Package 3	S02

Number of Units in Package 3	270
Package 3 Height	15.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	10.301 kg

## **Contractual warranty**

Warranty 18 months



Nhãn **Green Premium<sup>TM</sup>** là cam kết của Schneider Electric trong việc cung cấp sản phẩm với hiệu suất môi trường tốt nhất. Green Premium cam kết tuân thủ các quy định mới nhất, minh bạch về tác động môi trường, cũng như các sản phẩm tuần hoàn và  ${\rm CO}_2$  thấp.

Hướng dẫn đánh giá tính bền vững của sản phẩm là tài liệu kỹ thuật phổ thông giúp làm rõ các tiêu chuẩn nhãn sinh thái toàn cầu và cách diễn giải việc khai báo môi trường.

Tìm hiểu thêm về Green Premium >

Hướng dẫn đánh giá về sự bền vững của sản phẩm >





Minh bach RoHS/REACh

### Hiệu suất sức khoẻ

<b>Ø</b>	Reach Free Of Svhc	
<b>②</b>	Toxic Heavy Metal Free	
	Mercury Free	
	Rohs Exemption Information	Yes

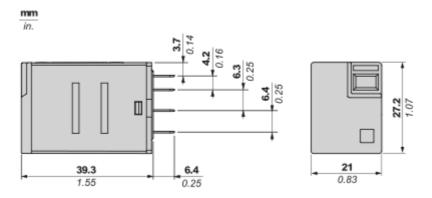
### Chứng nhận & Tiêu chuẩn

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
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
Circularity Profile	End of Life Information

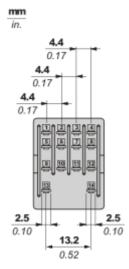
### RXM4LB2P7

**Dimensions Drawings** 

#### **Dimensions**



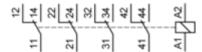
Pin Side View

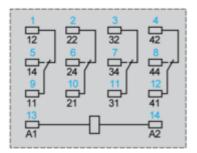


#### RXM4LB2P7

Connections and Schema

#### Wiring Diagram





Symbols shown in blue correspond to Nema marking.

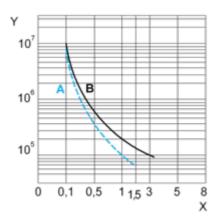
#### RXM4LB2P7

Performance Curves

#### **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

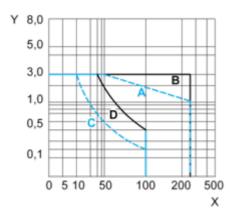
Note: These are typical curves, actual durability depends on load, environment, duty cycle, etc.

For inductive load, to increase relay life cycles, please add a proper load protection circuit (eg: RC protection/Varistor/ free Wheeling diode -DC load only-)

#### 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

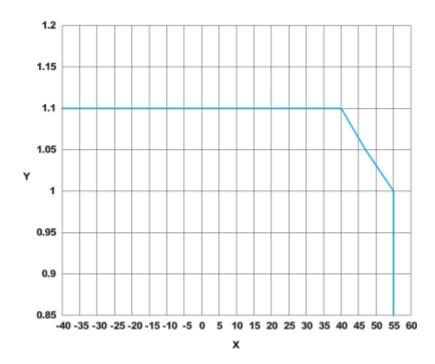
Note: These are typical curves, actual durability depends on load, environment, duty cycle, etc.

For inductive load, to increase relay life cycles, please add a proper load protection circuit (eg: RC protection/Varistor/free Wheeling diode -DC load only-)

For low level loads (below 10mA), we recommend to use RXM\*GB series with bifurcated contacts relays instead.

### RXM4LB2P7

AC Coil Voltage and Operating Temperature under continuous duty

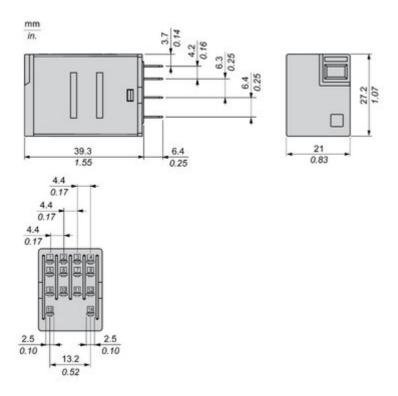


X : Operating temperature (°C)
Y : AC coil voltage (UC)

### RXM4LB2P7

**Technical Illustration** 

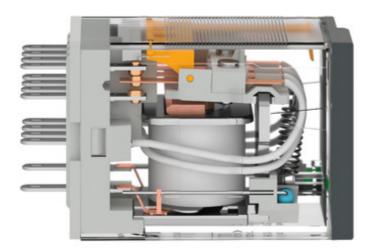
#### **Dimensions**



### RXM4LB2P7

Image of product / Alternate images

**Alternative** 

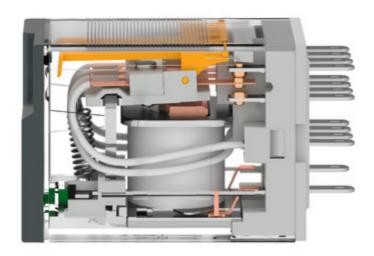




### RXM4LB2P7









### RXM4LB2P7

Image of product in real life situation

