

# miniature plug-in relay - Harmony RXM4L - 4 C/O - 48 V DC - 3 A - with LED

Local distributor code: 403013319

RXM4LB2ED

EAN Code: 3389119215374

# Main

Range of product	Harmony Electromechanical Relays	
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

Rated operational voltage limits	38.452.8 V DC	
[Ui] rated insulation voltage	250 V conforming to IEC	
Maximum switching voltage	250 V AC 28 V DC	
Drop-out voltage threshold	>= 0.1 Uc DC	
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	2600 Ohm at 23 °C +/- 10 %	
Average coil consumption	0.9 W, DC	
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 0.035 kg

# **Environment**

Standards	IEC 61810-1 (iss. 2) CE
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**

<u> </u>	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.104 cm
Package 1 Width	2.757 cm
Package 1 Length	4.59 cm
Package 1 Weight	40.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.0 cm
Package 2 Width	11.1 cm
Package 2 Length	13.3 cm
Package 2 Weight	390.0 g
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	10.74 kg

# Logistical informations

Country of origin CN

# **Contractual warranty**

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	14
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

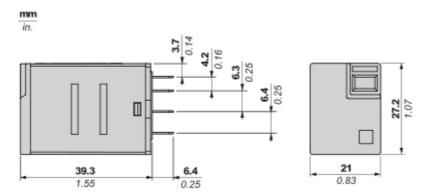
Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
China RoHS Regulation	China RoHS declaration

#### **Use Again**

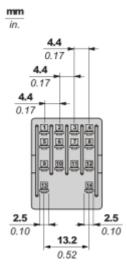
○ Repack and remanufacture	
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Take-back	No

# **Dimensions Drawings**

# **Dimensions**



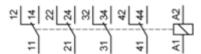
#### Pin Side View

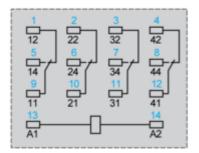


# RXM4LB2ED

Connections and Schema

# Wiring Diagram





Symbols shown in blue correspond to Nema marking.

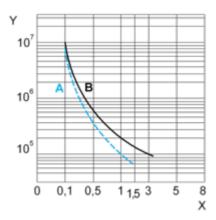
# RXM4LB2ED

#### Performance Curves

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

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

For 4 Poles Relay



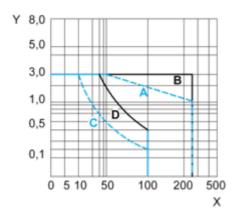
- X: Contact current (A)
- Y: Durability (Number of operating cycles)
- A: Inductive load
- B: Resistive load

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-)

#### **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

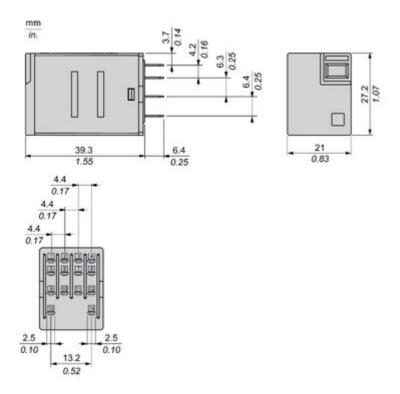
Note: These are typical curves, actual durability depends on load, environment, duty cycle, etc.

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.

# **Technical Illustration**

#### **Dimensions**



# Offer Marketing Illustration

#### **Product benefits / Features**

# **Features**

# Easy Harmony RXMLB Relay



Fit to customer needs coverage of most general control panel applications





Easy to select simple selection and wide availability



Convenient to use Easy status readiness trough mechanical indicator & LED



Safe to perform product reliability, compliance with industrial standard and eco-design Offer Marketing Illustration

#### **Product benefits / Features**

# **Technical Benefits**

Easy Harmony RXMLB Relay

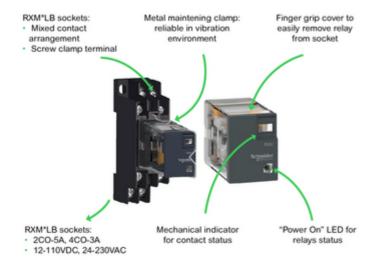


Image of product / Alternate images

# **Alternative**



