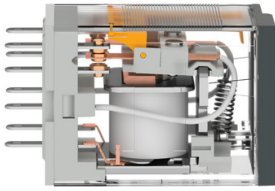


Product datasheet

Specifications



miniature plug in relay, Harmony Electromechanical Relays, 5A, 2CO, without LED, without lockable test button, flat (faston type), 48V DC

RXM2LB1ED

! Discontinued

! Discontinued on: 1 Jul 2020

Main

Range of product	Harmony Relay
Series name	Miniature
Product or component type	Plug-in relay
Device short name	RXM
[Ithe] conventional enclosed thermal current	5 A at -40...55 °C
Coil interference suppression	Without

Complementary

Contact operation	Standard
status LED	Without
Control type	Without push-button
[Ie] rated operational current	2.5 A at 28 V (DC) NC conforming to IEC 2.5 A at 250 V (AC) NC conforming to IEC 5 A at 28 V (DC) NO conforming to IEC 5 A at 250 V (AC) NO conforming to IEC 5 A at 24 V (DC) NO conforming to IEC 5 A at 220 V (AC) NO conforming to IEC 5 A at 28 V (DC) conforming to UL 5 A at 250 V (AC) conforming to UL
Minimum switching capacity	25 mW subject to switching frequency, environment or expected reliability level etc
CAD overall width	21 mm
CAD overall height	27 mm
Rated operational voltage limits	38.4...52.8 V DC
[Ui] rated insulation voltage	250 V conforming to IEC
CAD overall depth	46 mm
Maximum switching voltage	250 V AC 250 V DC
Drop-out voltage threshold	$\geq 0.1 U_c$ DC
Load current	5 A at 250 V AC 5 A at 28 V DC
Maximum switching capacity	1250 VA AC 140 W DC
Compatibility code	RXM
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

Average resistance	2600 Ohm +/- 10 %
Average coil consumption	0.9 W, DC
Mechanical durability	20000000 cycles
Electrical durability	200000 cycles resistive load 23 °C 100000 cycles resistive load at 55 °C
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 2000 V AC between poles 1000 V AC between contacts
Protection category	RT I
Operating position	Any position
Test levels	Level A group mounting
Sale per indivisible quantity	10
Contacts material	Silver alloy (Ag/Ni)
Net weight	0.033 kg

Environment

Standards	CE IEC 61810-1 (iss. 2) UL 508
Ambient air temperature for storage	-40...85 °C
Vibration resistance	3 gn, amplitude = +/- 1 mm (f = 10...50 Hz)operating conforming to IEC 60068-2-6 6 gn, amplitude = +/- 1 mm (f = 10...50 Hz)not operating conforming to IEC 60068-2-6
Shock resistance	10 gn for opening conforming to IEC 60068-2-27 5 gn for closing conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty (in months)	18
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Environmental Data

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

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Better



Materials and Substances

[EU RoHS Directive](#)

[Compliant](#)

Use Longer



Lifetime extension

[Repair](#)

[No](#)

Use Again



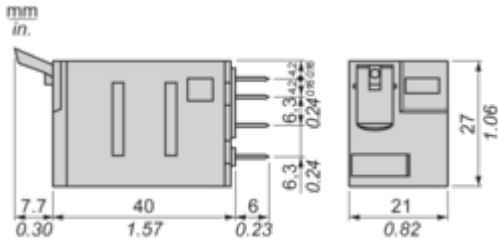
Repack and remanufacture

[End of life manual availability](#)

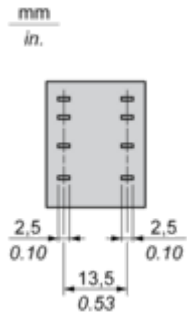
[End of Life Information](#)

Dimensions Drawings

Dimensions

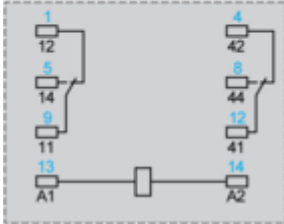
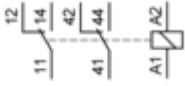


Pin Side View



Connections and Schema

Wiring Diagram



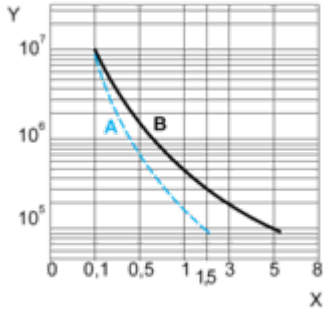
Symbols shown in blue correspond to Nema marking.

Performance Curves

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

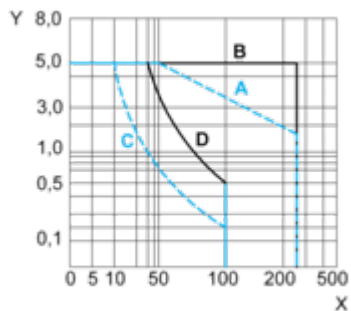
B : Resistive load

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

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 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.

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.

Image of product / Alternate images

Alternative



