

Product datasheet

Specifications



Harmony. Miniature plug-in relay. 5 A. 2 CO. with LED. 120 V AC

RXM2LB2F7

Price: 120.33 ZAR

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	2 C/O
[I _{th} e] Conventional Enclosed Thermal Current	5 A at -40...55 °C

Complementary

Contact Operation	Standard
[U _c] Control Circuit Voltage	120 V AC 50/60 Hz
Status Led	With
Control Type	Without push-button
[U _{imp}] Rated Impulse Withstand Voltage	4 kV during 1.2/50 µs conforming to IEC 61810-7
[I _e] Rated Operational Current	5 A (AC-1/DC-1) NO conforming to IEC 2.5 A (AC-1/DC-1) NC conforming to IEC 1 A at 28 V (DC-13) NO
Minimum Switching Capacity	25 mW subject to switching frequency, environment or expected reliability level etc
Average Coil Consumption 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	96...132 V AC
[U _i] Rated Insulation Voltage	250 V conforming to IEC
Maximum Switching Voltage	250 V AC 28 V DC
Drop-Out Voltage Threshold	>= 0.15 U _c AC
Load Current	5 A at 250 V AC 5 A at 28 V DC

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Maximum Switching Capacity	1250 VA AC 140 W DC
Average Resistance	4430 Ohm at 23 °C +/- 10 %
Mechanical Durability	10000000 cycles
Electrical Durability	100000 cycles for resistive load 50000 cycles, 1 A at 28 V, DC-13 NO
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	RT I
Pollution Degree	3
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	IEC 61810-1 (iss. 2) CE
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	30 gn for not in operation 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	2.098 cm
Package 1 Width	2.755 cm
Package 1 Length	4.581 cm
Package 1 Weight	37.0 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	10
Package 2 Height	2.9 cm
Package 2 Width	11.0 cm
Package 2 Length	13.8 cm
Package 2 Weight	341.0 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	9.891 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Reach Free Of Svhc

Toxic Heavy Metal Free

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

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

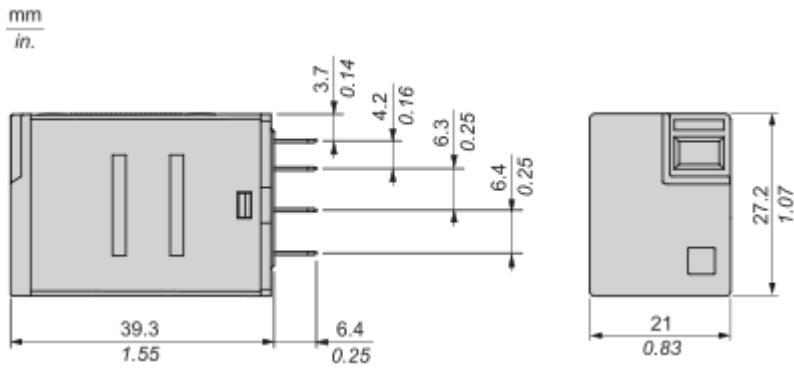
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile

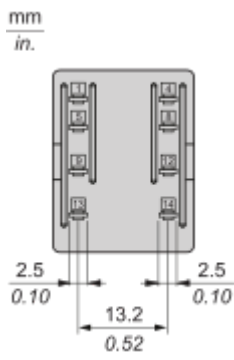
[End of Life Information](#)

Dimensions Drawings

Dimensions

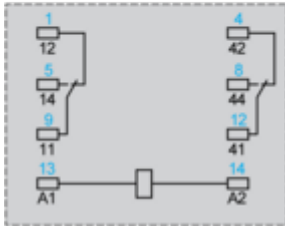
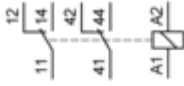


Pin Side View



Connections and Schema

Wiring Diagram



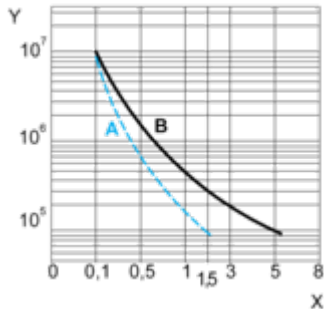
Symbols shown in blue correspond to Nema marking.

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

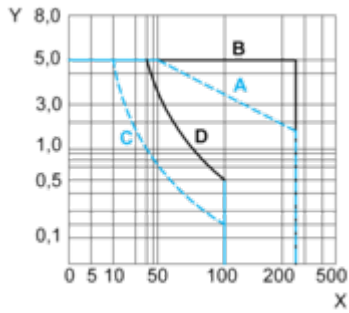
B : Resistive load

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

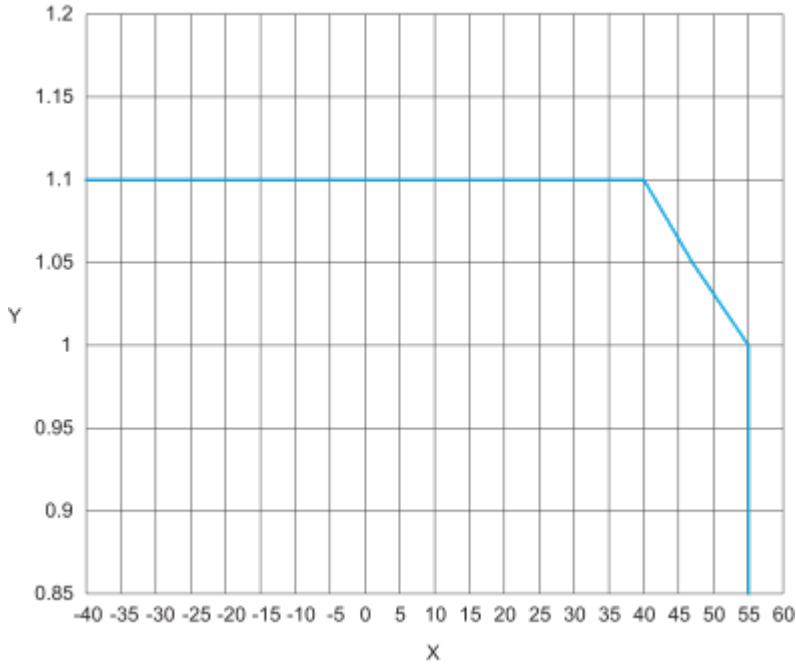
D : Resistive DC load

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.

AC Coil Voltage and Operating Temperature under continuous duty



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