

Product data sheet

Specifications



miniature, Harmony Electromechanical Relays, 5A, 2CO, without LED, 230V AC

RXM2LB1P7

Product availability: Stock - Normally stocked in distribution facility

Price*: 4.83 USD

Main

Range Of Product	Harmony Electromechanical Relays
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

Contacts Type And Composition	2 C/O
Contact Operation	Standard
[Uc] Control Circuit Voltage	230 V AC 50/60 Hz
[Ithe] Conventional Enclosed Thermal Current	5 A -40...131 °F (-40...55 °C)
Status Led	Without
Control Type	Without push-button
[Ui] Rated Insulation Voltage	250 V IEC
[Uimp] Rated Impulse Withstand Voltage	4 kV 1.2/50 µs IEC 61810-7
Contacts Material	Silver alloy (Ag/Ni)
[Ie] Rated Operational Current	5 A AC-1/DC-1) NO IEC 2.5 A AC-1/DC-1) NC IEC 1 A 28 V DC-13) NO
Minimum Switching Current	10 mA
Maximum Switching Voltage	250 V AC 28 V DC
Minimum Switching Voltage	17 V
Load Current	5 A 250 V AC 5 A 28 V DC
Maximum Switching Capacity	1250 VA AC 140 W DC
Minimum Switching Capacity	170 mW
Operating Rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical Durability	10000000 cycles

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Electrical Durability	100000 cycles for resistive load 50000 cycles, 1 A at 28 V, DC-13 NO
Average Coil Consumption In Va	1.2 AC
Drop-Out Voltage Threshold	>= 0.15 U _c 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
Average Resistance	16500 Ohm at 73 °F (23 °C) +/- 15 %
Rated Operational Voltage Limits	184...253 V AC
Protection Category	RT I
Test Levels	Level A group mounting
Operating Position	Any position
Cad Overall Width	0.83 in (21 mm)
Cad Overall Height	1.06 in (27 mm)
Cad Overall Depth	1.81 in (46 mm)
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
Safety Reliability Data	B10d = 100000

Environment

Standards	CE IEC 61810-1 (iss. 2)
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Ambient Air Temperature For Operation	-40...131 °F (-40...55 °C)
Vibration Resistance	3 gn +/- 1 mm 10...50 Hz)operating IEC 60068-2-6 6 gn +/- 1 mm 10...50 Hz)not operating IEC 60068-2-6
Ip Degree Of Protection	IP40 conforming to IEC 60529
Pollution Degree	3
Shock Resistance	30 gnot operating IEC 60068-2-27 10 gnin operation IEC 60068-2-27

Ordering and shipping details

Category	22153-ATV320/ATV312/ATV32 (10 THRU 30HP)
Discount Schedule	CP4B
Gtin	3389119215190
Returnability	No
Country Of Origin	CN

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	0.83 in (2.1 cm)
Package 1 Width	1.06 in (2.7 cm)
Package 1 Length	1.81 in (4.6 cm)
Package 1 Weight	1.09 oz (31.0 g)

Unit Type Of Package 2	BB1
Number Of Units In Package 2	10
Package 2 Height	1.18 in (3 cm)
Package 2 Width	4.53 in (11.5 cm)
Package 2 Length	3.94 in (10 cm)
Package 2 Weight	13.76 oz (390 g)
Unit Type Of Package 3	S02
Number Of Units In Package 3	270
Package 3 Height	5.91 in (15 cm)
Package 3 Width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)
Package 3 Weight	24.22 lb(US) (10.985 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.

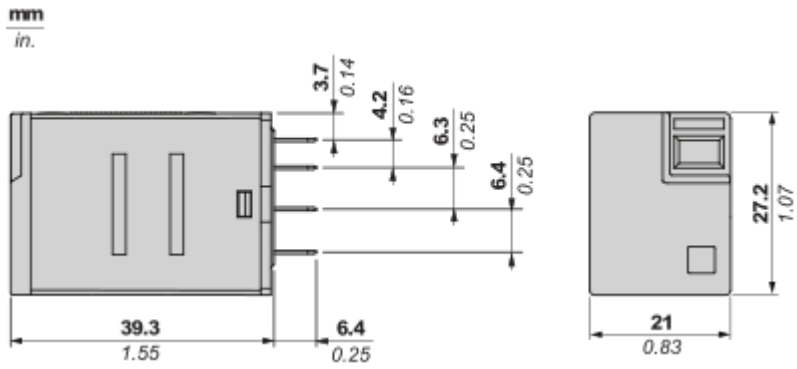
Circularity Profile

[End of Life Information](#)

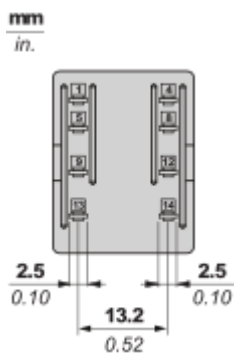
California Proposition 65

WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

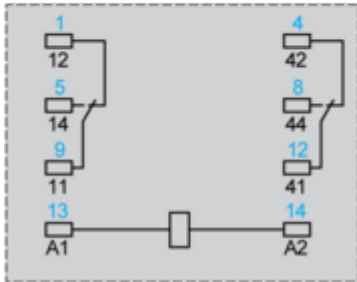
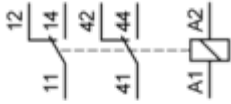
Dimensions



Pin Side View



Wiring Diagram



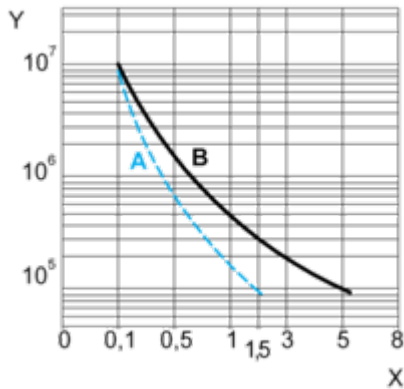
Symbols shown in blue correspond to Nema marking.

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

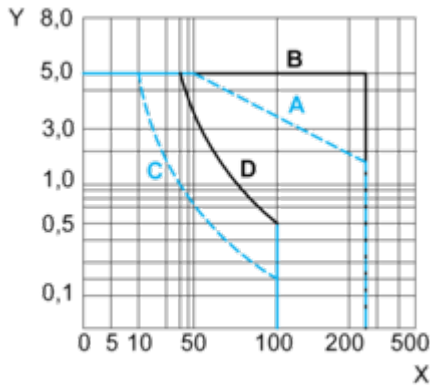
B : Resistive load

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

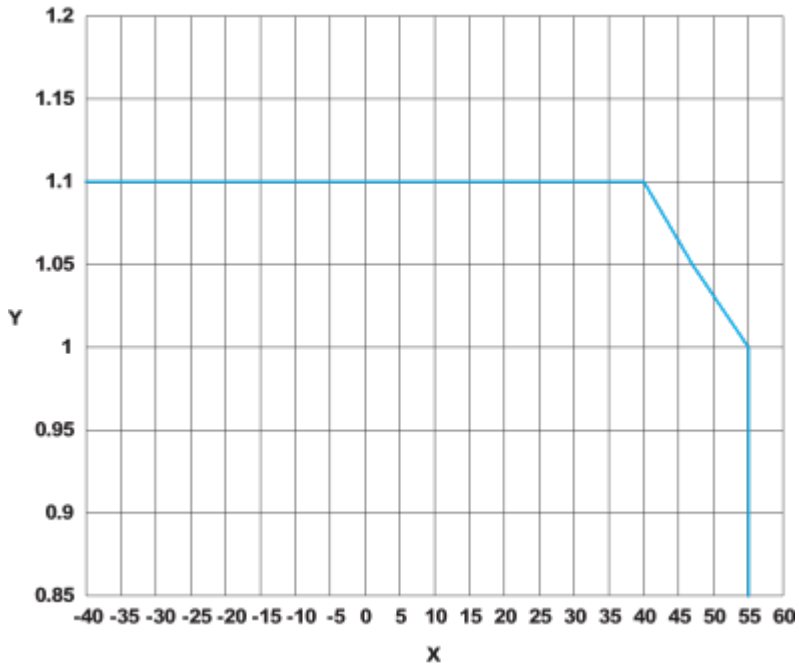
D : Resistive DC load

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)