

Product data sheet

Specifications



miniature, Harmony
Electromechanical Relays, 12A,
2CO, with LED, with lockable test
button, separate terminals socket,
230V AC

RXM2AB2P7PVS

Product availability: Stock - Normally stocked in distribution facility

Price*: 24.26 USD

Main

Range Of Product	Harmony Electromechanical Relays
Series Name	Miniature
Product Or Component Type	Pre-assembled plug-in relay with socket
Device Short Name	RXM
Contacts Type And Composition	2 C/O
[Uc] Control Circuit Voltage	230 V AC 50/60 Hz
Status Led	With
Control Type	Lockable test button
Utilisation Coefficient	20 %

Complementary

[Ui] Rated Insulation Voltage	250 V IEC
[Uimp] Rated Impulse Withstand Voltage	4 kV 1.2/50 µs
Contacts Material	AgNi
[Ie] Rated Operational Current	6 A 28 V DC) NC IEC 6 A 250 V AC) NC IEC 12 A 28 V DC) NO IEC 12 A 250 V AC) NO IEC
Minimum Switching Current	10 mA
Continuous Output Current	10 A
Maximum Switching Voltage	250 V
Minimum Switching Voltage	17 V
Resistive Rated Load	12 A 250 V AC 12 A 28 V DC
Maximum Switching Capacity	3000 VA AC 336 W DC
Minimum Switching Capacity	170 mW 10 mA, 17 V
Operating Rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical Durability	10000000 cycles
Electrical Durability	100000 cycles resistive

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

Average Coil Consumption	1.2 W, AC
Drop-Out Voltage Threshold	>= 0.3 Uc AC
Operate Time	20 ms
Release Time	20 ms
Average Coil Resistance	15000 Ohm 20 °C +/- 15 %
Rated Operational Voltage Limits	184...253 V AC
Safety Reliability Data	B10d = 100000
Protection Category	RT I
Test Levels	Level A group mounting
Operating Position	Any position
Sale Per Indivisible Quantity	30
Cad Overall Width	1.06 in (26.9 mm)
Cad Overall Height	3.26 in (82.8 mm)
Cad Overall Depth	3.16 in (80.35 mm)
Connections - Terminals	Connector, 1 x 0.25...1 x 2.5 mm ² AWG 22...AWG 14) flexible with cable end Connector, 2 x 0.25...2 x 1 mm ² AWG 22...AWG 17) flexible with cable end Connector, 1 x 0.5...1 x 2.5 mm ² AWG 20...AWG 14) solid without cable end Connector, 2 x 0.5...2 x 1.5 mm ² AWG 20...AWG 16) solid without cable end
Torque Value	8.85 lbf.in (1 N.m)
Net Weight	0.21 lb(US) (0.096 kg)
Device Presentation	Complete product

Environment

Dielectric Strength	1300 V AC between contacts with micro disconnection 2000 V AC between coil and contact with basic insulation 2000 V AC between poles with basic insulation
Product Certifications	CE UL CSA EAC Lloyd's
Standards	UL 508 IEC 61810-1 CSA C22.2 No 14 IEC 61984
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...150 Hz)5 cycles in operation 5 gn +/- 1 mm 10...150 Hz)5 cycles not operating
Ip Degree Of Protection	IP20 conforming to IEC 60529
Shock Resistance	10 gnin operation 30 gnnot operating
Pollution Degree	2

Ordering and shipping details

Category	21127-ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
Gtin	3606489563264

Returnability	No
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Packing Units

Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
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Package 1 Height	3.20 in (8.128 cm)
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Package 1 Width	1.20 in (3.048 cm)
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Package 1 Length	3.20 in (8.128 cm)
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Package 1 Weight	3.04 oz (86.183 g)
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Unit Type Of Package 2	BB1
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Number Of Units In Package 2	30
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Package 2 Height	3.94 in (10 cm)
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Package 2 Width	10.43 in (26.5 cm)
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Package 2 Length	11.81 in (30 cm)
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Package 2 Weight	6.54 lb(US) (2.965 kg)
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Unit Type Of Package 3	S03
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Number Of Units In Package 3	270
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Package 3 Height	11.81 in (30 cm)
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Package 3 Width	11.81 in (30 cm)
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Package 3 Length	15.75 in (40 cm)
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Package 3 Weight	67.70 lb(US) (30.709 kg)
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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.

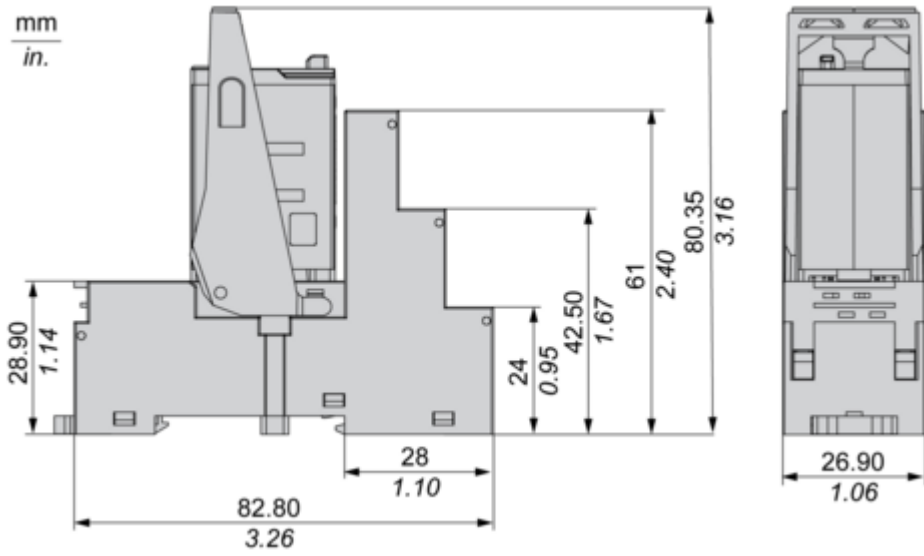
Circularity Profile

No need of specific recycling operations

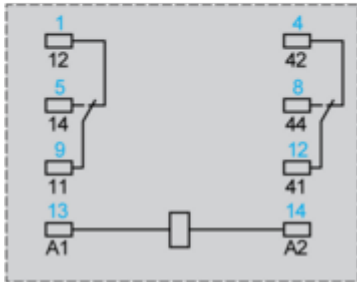
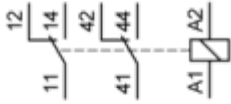
California Proposition 65

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



Wiring Diagram



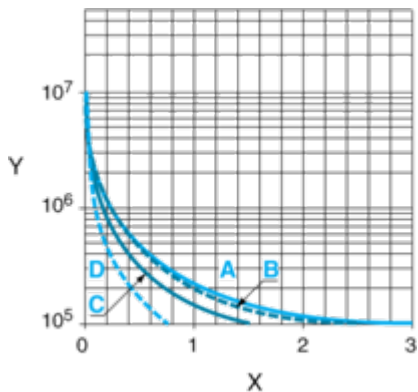
Symbols shown in blue correspond to Nema marking.

Performance Curves

Electrical Durability of Contacts

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

Resistive AC load



X Switching capacity (kVA)

Y Durability (Number of operating cycles)

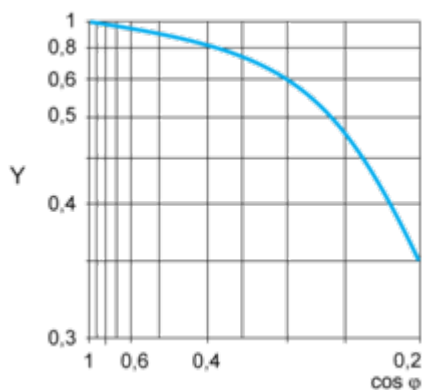
A RXM2AB...

B RXM3AB...

C RXM4AB...

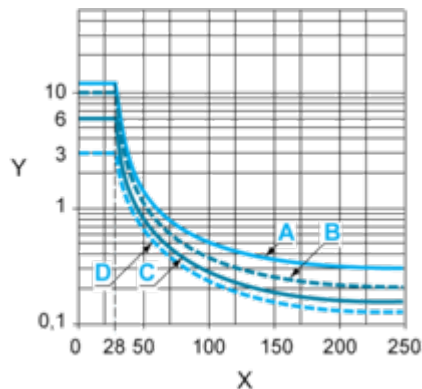
D RXM4GB...

Reduction coefficient for inductive AC load (depending on power factor cos φ)



Y Reduction coefficient (A)

Maximum switching capacity on resistive DC load



X Voltage DC

Y Current DC

A RXM2AB...

B RXM3AB...

C RXM4AB...

D RXM4GB**

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.