

# Product datasheet

Specifications



Harmony. Miniature plug-in relay pre-assembled. 6 A. 4 CO. with lockable test button. separate terminals socket. 24 V DC

RXM4AB1BDPVS

**Price: 410.87 ZAR**

## 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	4 C/O
[Uc] Control Circuit Voltage	24 V DC
Status Led	Without
Control Type	Lockable test button
Utilisation Coefficient	20 %

## Complementary

[UI] Rated Insulation Voltage	250 V conforming to IEC
[Uimp] Rated Impulse Withstand Voltage	2.5 kV during 1.2/50 µs
Contacts Material	AgNi
[Ie] Rated Operational Current	3 A at 28 V (DC) NC conforming to IEC 3 A at 250 V (AC) NC conforming to IEC 6 A at 28 V (DC) NO conforming to IEC 6 A at 250 V (AC) NO conforming to IEC 6 A at 277 V (AC) conforming to UL 8 A at 30 V (DC) conforming to UL
Minimum Switching Current	10 mA
Continuous Output Current	5 A
Maximum Switching Voltage	250 V
Minimum Switching Voltage	17 V
Resistive Rated Load	6 A at 250 V AC 6 A at 28 V DC
Maximum Switching Capacity	1500 VA/168 W AC/DC
Minimum Switching Capacity	170 mW at 10 mA, 17 V
Operating Rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical Durability	10000000 cycles
Electrical Durability	100000 cycles for resistive load
Average Coil Consumption	0.9 W, DC
Drop-Out Voltage Threshold	>= 0.1 Uc DC

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

<b>Operate Time</b>	20 ms
<b>Release Time</b>	20 ms
<b>Average Coil Resistance</b>	650 Ohm at 20 °C +/- 10 %
<b>Rated Operational Voltage Limits</b>	19.2...26.4 V DC
<b>Safety Reliability Data</b>	B10d = 100000
<b>Protection Category</b>	RT I
<b>Test Levels</b>	Level A group mounting
<b>Operating Position</b>	Any position
<b>Sale Per Indivisible Quantity</b>	30
<b>Cad Overall Width</b>	26.9 mm
<b>Cad Overall Height</b>	82.8 mm
<b>Cad Overall Depth</b>	80.35 mm
<b>Connections - Terminals</b>	Connector, 1 x 0.25...1 x 2.5 mm <sup>2</sup> (AWG 22...AWG 14) flexible with cable end Connector, 2 x 0.25...2 x 1 mm <sup>2</sup> (AWG 22...AWG 17) flexible with cable end Connector, 1 x 0.5...1 x 2.5 mm <sup>2</sup> (AWG 20...AWG 14) solid without cable end Connector, 2 x 0.5...2 x 1.5 mm <sup>2</sup> (AWG 20...AWG 16) solid without cable end
<b>Torque Value</b>	1 N.m
<b>Net Weight</b>	0.105 kg
<b>Device Presentation</b>	Complete product

## Environment

<b>Dielectric Strength</b>	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
<b>Product Certifications</b>	UL Lloyd's CE CSA GOST IECEE CB Scheme
<b>Standards</b>	UL 508 IEC 61810-1 CSA C22.2 No 14 IEC 61984
<b>Ambient Air Temperature For Storage</b>	-40...85 °C
<b>Ambient Air Temperature For Operation</b>	-40...55 °C
<b>Vibration Resistance</b>	3 gn, amplitude = +/- 1 mm (f = 10...150 Hz)5 cycles in operation 5 gn, amplitude = +/- 1 mm (f = 10...150 Hz)5 cycles not operating
<b>Ip Degree Of Protection</b>	IP20 conforming to IEC 60529
<b>Shock Resistance</b>	10 gn for in operation 30 gn for not operating
<b>Pollution Degree</b>	2

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	2.7 cm
<b>Package 1 Width</b>	8 cm

Package 1 Length	8.5 cm
Package 1 Weight	101 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	30
Package 2 Height	10 cm
Package 2 Width	26.5 cm
Package 2 Length	30 cm
Package 2 Weight	3.403 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	270
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	33.949 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-CO<sub>2</sub> 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

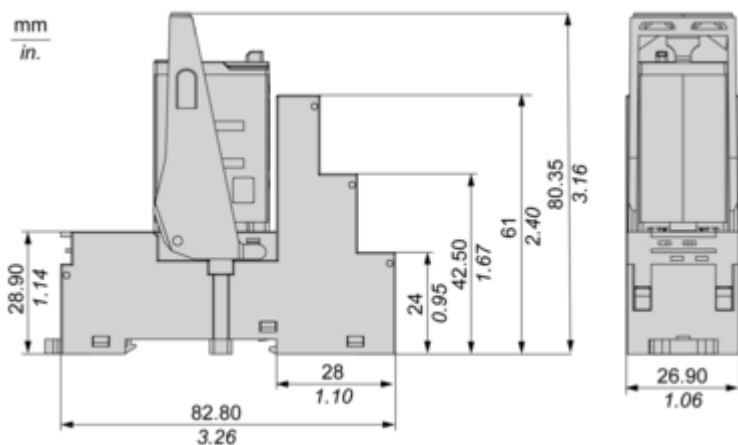
**Circularity Profile**

[End of Life Information](#)

Dimensions Drawings

Dimensions

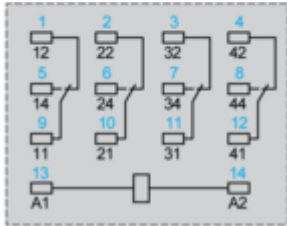
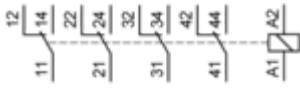
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Connections and Schema

Wiring Diagram

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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.

