

# Product data sheet

Specifications



## Miniature plug in relay, Harmony, 3A, 4CO, lockable test button, 24V AC

RXM4GB1B7

! Discontinued on: 09 October 2023

! Discontinued

**Product availability : Stock - Normally stocked in distribution facility**

**Price\* : 10.98 USD**

### Main

Range of Product	Harmony Electromechanical Relays
Series name	Miniature
Product or Component Type	Plug-in relay
Device short name	RXM
Contacts type and composition	4 C/O
[Uc] control circuit voltage	24 V AC 50/60 Hz
[Ithe] conventional enclosed thermal current	3 A -40...131 °F (-40...55 °C)
Status LED	Without
Control type	Lockable test button
Utilisation coefficient	20 %

### Complementary

Shape of pin	Flat
[Ui] rated insulation voltage	250 V IEC 300 V CSA 300 V UL
[Uimp] rated impulse withstand voltage	2.5 kV 1.2/50 µs
Contacts material	Gold plated bifurcated silver
[Ie] rated operational current	2 A 28 V DC) NO IEC 2 A 250 V AC) NO IEC 1 A 28 V DC) NC IEC 1 A 250 V AC) NC IEC 3 A 28 V DC) UL 3 A 277 V AC) UL
Maximum switching voltage	250 V IEC
Resistive rated load	3 A 250 V AC 3 A 28 V DC
Maximum switching capacity	750 VA/84 W
Minimum switching capacity	15 mW 3 mA, 5 V
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load

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

<b>Mechanical durability</b>	10000000 cycles
<b>Electrical durability</b>	100000 cycles resistive depending on mounting position and working environment
<b>Average coil consumption in VA</b>	1.2 60 Hz
<b>Average consumption</b>	1.2 VA 60 Hz
<b>Drop-out voltage threshold</b>	>= 0.15 Uc
<b>Operate time</b>	20 ms
<b>Release time</b>	20 ms
<b>Average coil resistance</b>	180 Ohm 20 °C +/- 15 %
<b>Rated operational voltage limits</b>	19.2...26.4 V AC
<b>Protection category</b>	RT I
<b>Test levels</b>	Level A group mounting
<b>Operating position</b>	Any position
<b>Net Weight</b>	0.08 lb(US) (0.037 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 2000 V AC between poles
<b>Product Certifications</b>	CSA GOST UL Lloyd's CE
<b>Standards</b>	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
<b>Ambient Air Temperature for Storage</b>	-40...185 °F (-40...85 °C)
<b>Ambient air temperature for operation</b>	-40...131 °F (-40...55 °C)
<b>Vibration resistance</b>	3 gn +/- 1 mm 10...150 Hz)5 cycles in operation 5 gn +/- 1 mm 10...150 Hz)5 cycles not operating
<b>IP degree of protection</b>	IP40 conforming to EN/IEC 60529
<b>Shock resistance</b>	10 gn in operation 30 gn not operating
<b>Pollution degree</b>	2

## Ordering and shipping details

<b>Category</b>	21127-ZELIO ICE CUBE RELAYS
<b>Discount Schedule</b>	CP2
<b>GTIN</b>	3389119403894
<b>Returnability</b>	No
<b>Country of origin</b>	CN

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	0.79 in (2.000 cm)
<b>Package 1 Width</b>	1.10 in (2.800 cm)

Package 1 Length	1.89 in (4.800 cm)
Package 1 Weight	1.23 oz (35.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	1.26 in (3.200 cm)
Package 2 Width	4.13 in (10.500 cm)
Package 2 Length	4.92 in (12.500 cm)
Package 2 Weight	13.44 oz (381.000 g)
Unit Type of Package 3	S01
Number of Units in Package 3	120
Package 3 Height	5.91 in (15.000 cm)
Package 3 Width	5.91 in (15.000 cm)
Package 3 Length	15.75 in (40.000 cm)
Package 3 Weight	10.60 lb(US) (4.810 kg)

## Offer Sustainability

**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](http://www.P65Warnings.ca.gov)

**REACH Regulation**      [REACH Declaration](#)

**REACH free of SVHC**      Yes

**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](#)

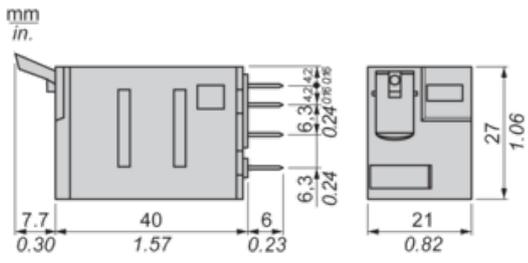
**Circularity Profile**      [End of Life Information](#)

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

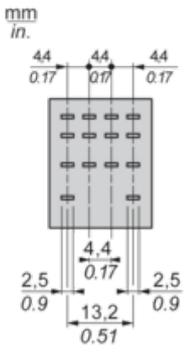
## Contractual warranty

**Warranty**      18 months

## Dimensions

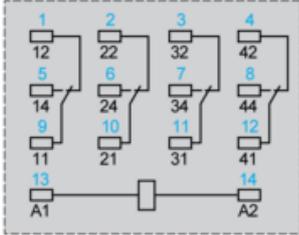
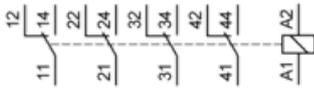


Pin Side View



## Wiring Diagram

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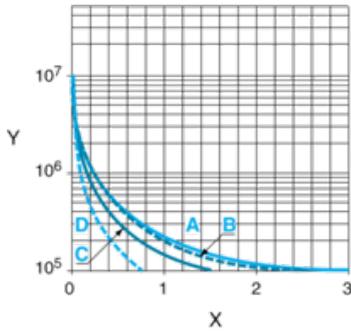


Symbols shown in blue correspond to Nema marking.

**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)

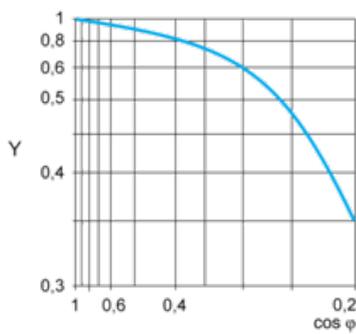
A RXM2AB...

B RXM3AB...

C RXM4AB...

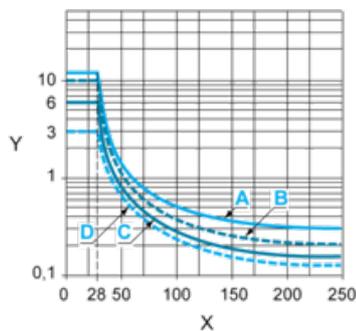
D RXM4GB...

Reduction coefficient for inductive AC load (depending on power factor  $\cos \phi$ )



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.

**Recommended replacement(s)**