

# Product data sheet

Specifications



## Zelio, RXM, miniature plugin relay, 4 C/O, 6 A, 120 VAC, with LED

RXM4AB2F7

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

**Price\*:** 8.30 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	120 V AC 50/60 Hz
Status Led	With
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	AgNi
[Ie] Rated Operational Current	3 A 28 V DC) NC IEC 3 A 250 V AC) NC IEC 6 A 28 V DC) NO IEC 6 A 250 V AC) NO IEC 6 A 277 V AC) UL 8 A 30 V DC) UL
Continuous Output Current	5 A
Maximum Switching Voltage	250 V IEC
Resistive Rated Load	6 A 250 V AC 6 A 28 V DC
Maximum Switching Capacity	1500 VA/168 W
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
Average Coil Consumption In Va	1.2 60 Hz
Average Consumption	1.2 VA 60 Hz

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

<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>	4430 Ohm 20 °C +/- 15 %
<b>Rated Operational Voltage Limits</b>	96...132 V AC
<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>Cad Overall Height</b>	3.26 in (82.8 mm)
<b>Cad Overall Depth</b>	3.16 in (80.35 mm)
<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 with basic insulation 2000 V AC between poles with basic insulation
<b>Product Certifications</b>	CE CSA Lloyd's UL GOST
<b>Standards</b>	CSA C22.2 No 14 UL 508 IEC 61810-1
<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 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>	3389119403849
<b>Returnability</b>	Yes
<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>	0.83 in (2.100 cm)

<b>Package 1 Width</b>	1.06 in (2.700 cm)
<b>Package 1 Length</b>	1.89 in (4.800 cm)
<b>Package 1 Weight</b>	1.20 oz (34.000 g)
<b>Unit Type Of Package 2</b>	BB1
<b>Number Of Units In Package 2</b>	10
<b>Package 2 Height</b>	1.26 in (3.200 cm)
<b>Package 2 Width</b>	4.02 in (10.200 cm)
<b>Package 2 Length</b>	4.96 in (12.600 cm)
<b>Package 2 Weight</b>	13.09 oz (371.000 g)
<b>Unit Type Of Package 3</b>	S02
<b>Number Of Units In Package 3</b>	240
<b>Package 3 Height</b>	5.91 in (15.000 cm)
<b>Package 3 Width</b>	11.81 in (30.000 cm)
<b>Package 3 Length</b>	15.75 in (40.000 cm)
<b>Package 3 Weight</b>	20.60 lb(US) (9.346 kg)

## Contractual warranty

<b>Warranty</b>	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**

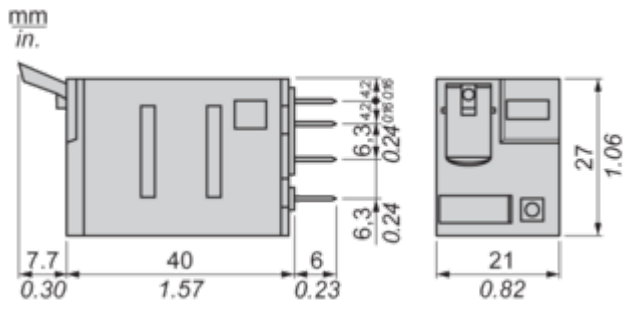
[End of Life Information](#)

**California Proposition 65**

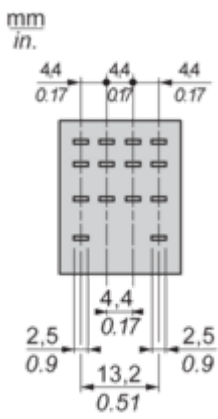
WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Dimensions

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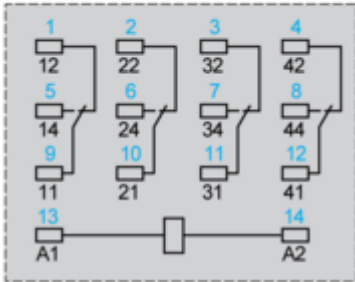
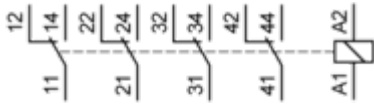


Pin Side View



### Wiring Diagram

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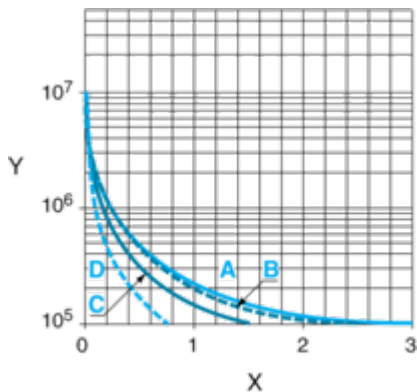
Symbols shown in blue correspond to Nema marking.

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)

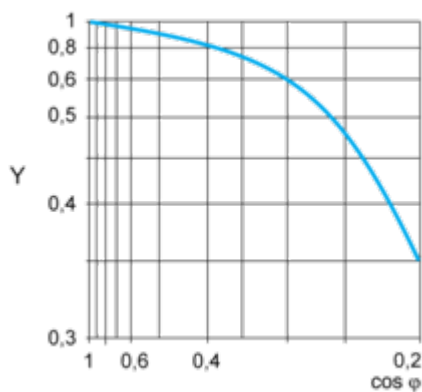
A RXM2AB...

B RXM3AB...

C RXM4AB...

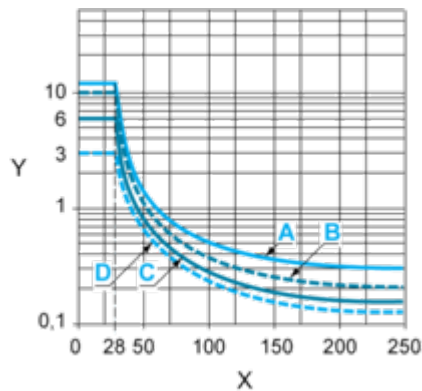
D RXM4GB...

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\*\*

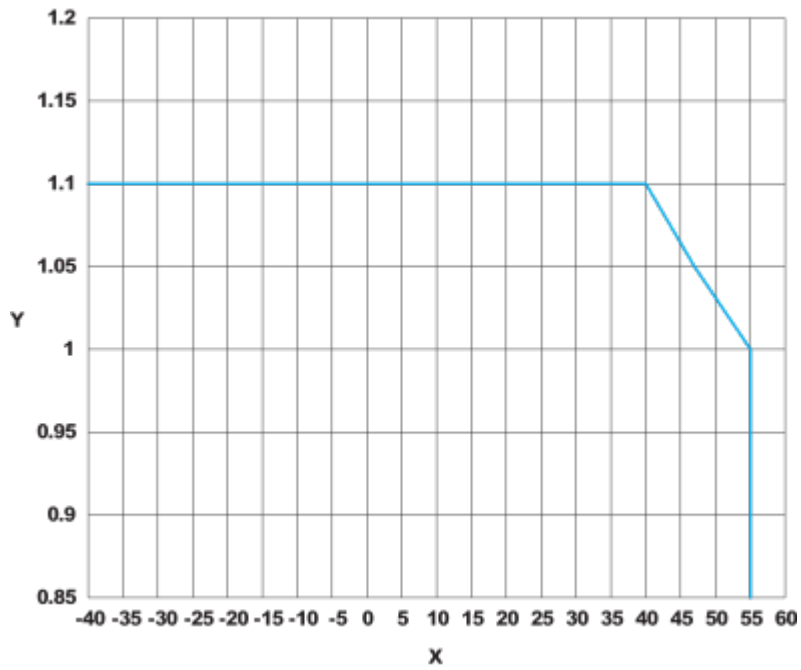
**Note** : These are typical curves, actual durability depends on load, environment, duty cycle, etc.

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.



AC Coil Voltage and Operating Temperature under continuous duty



X : Operating temperature (°C)

Y : AC coil voltage (UC)