

# เอกสารข้อมูลผลิตภัณฑ์

ข้อมูลจำเพาะ



miniature plug in relay, Harmony Electromechanical Relays, 6A, 4CO, with LED, lockable test but to n, 24V AC

RXM4AB2B7

## 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
Status Led	With
Control Type	Lockable test button
Utilisation Coefficient	20 %

## Complementary

Shape Of Pin	Flat
[Ui] Rated Insulation Voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL
[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
Continuous Output Current	5 A
Maximum Switching Voltage	250 V conforming to IEC
Resistive Rated Load	6 A at 250 V AC 6 A at 28 V DC
Maximum Switching Capacity	1500 VA/168 W
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 In Va	1.2 at 60 Hz
Average Consumption	1.2 VA at 60 Hz

<b>Drop-Out Voltage Threshold</b>	>= 0.15 U <sub>c</sub>
<b>Operate Time</b>	20 ms
<b>Release Time</b>	20 ms
<b>Average Coil Resistance</b>	180 Ohm at 20 °C +/- 15 %
<b>Rated Operational Voltage Limits</b>	19.2...26.4 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>	82.8 mm
<b>Cad Overall Depth</b>	80.35 mm
<b>Net Weight</b>	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>	UL Lloyd's CE CSA GOST IECEE CB Scheme
<b>Standards</b>	CSA C22.2 No 14 IEC 61810-1 UL 508
<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>	IP40 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>	2.100 cm
<b>Package 1 Width</b>	2.800 cm
<b>Package 1 Length</b>	4.600 cm
<b>Package 1 Weight</b>	36.000 g
<b>Unit Type Of Package 2</b>	BB1
<b>Number Of Units In Package 2</b>	10
<b>Package 2 Height</b>	3.400 cm

Package 2 Width	10.300 cm
Package 2 Length	12.600 cm
Package 2 Weight	391.000 g
Unit Type Of Package 3	S02
Number Of Units In Package 3	240
Package 3 Height	15.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	9.678 kg

## Contractual warranty

Warranty	18 months
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## ความยั่งยืน

ฉลาก **Green Premium™** เป็นความมุ่งมั่นของSchneider Electric ในการส่งมอบผลิตภัณฑ์ที่มีประสิทธิภาพด้านสิ่งแวดล้อมที่ดีที่สุด Green Premium ให้คำมั่นว่าจะปฏิบัติตามกฎระเบียบล่าสุด ความโปร่งใสต่อผลกระทบด้านสิ่งแวดล้อม รวมถึงผลิตภัณฑ์หมุนเวียนและ CO<sub>2</sub> ต่ำ

คู่มือการประเมินความยั่งยืนของผลิตภัณฑ์เป็นเอกสารวิจัยที่ช่วยชี้แจงมาตรฐานฉลากสิ่งแวดล้อมทั่วโลกและวิธีการตีความการประ

[เรียนรู้เพิ่มเติมเกี่ยวกับ Green Premium >](#)

[แนวทางในการประเมินความยั่งยืนของผลิตภัณฑ์ >](#)



ความโปร่งใส RoHS/REACH

## ประสิทธิภาพด้านสุขภาพ

Reach Free Of Svhc

Toxic Heavy Metal Free

Mercury Free

Rohs Exemption Information Yes

## ใบรับรองและมาตรฐาน

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)  
[EU RoHS Declaration](#)

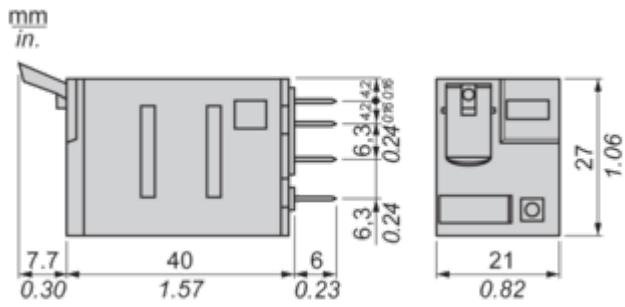
China Rohs Regulation [China RoHS declaration](#)

Environmental Disclosure [Product Environmental Profile](#)

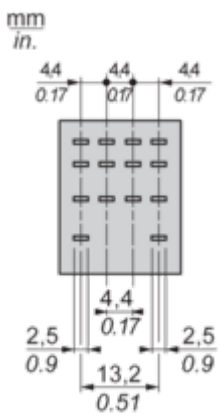
Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)

Dimensions

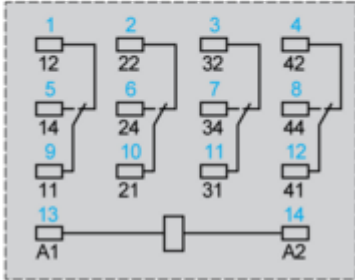
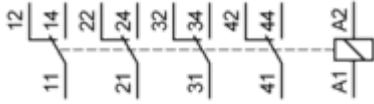


Pin Side View



Wiring Diagram

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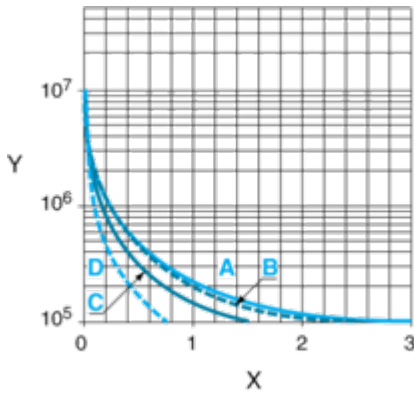


Symbols shown in blue correspond to Nema marking.

Performance Curves

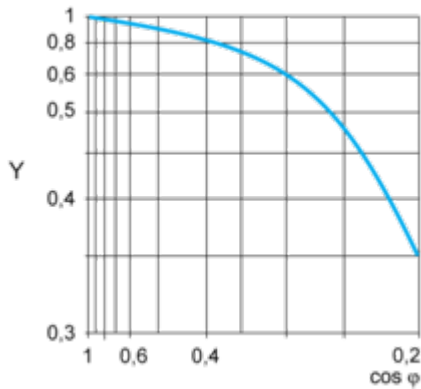
Electrical Durability of Contacts

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

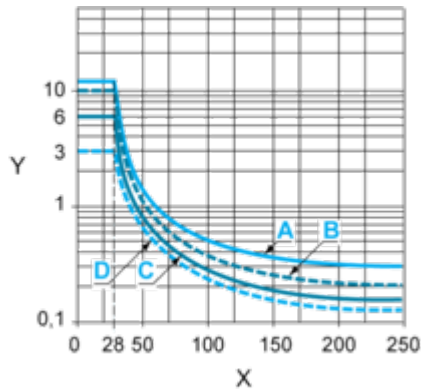


- X Switching capacity (kVA)
- Y Durability (Number of operating cycles)
- A RXM2AB...
- B RXM3AB...
- C RXM4AB...
- D RXM4GB...

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...

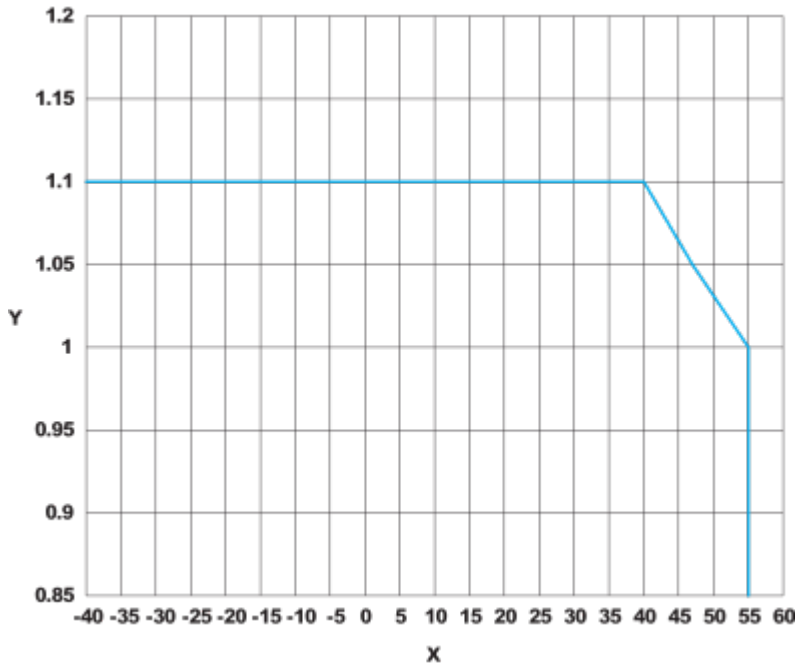
**Note** : These are typical curves, actual durability depends on load, environment, duty cycle, etc.

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)