

Product data sheet

Specifications



miniature plug in relay, Harmony Electromechanical Relays, 6A, 4CO, with LED, 230V DC

RXM4AB3P7

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Harmony Electromechanical Relays
Series name	RXM series
Product or Component Type	Plug-in relay
Relay Type	Miniature relay
Contacts type and composition	4 C/O
Status LED	With
Control Type	Without lockable test button
[Uc] control circuit voltage	230 V AC 50/60 Hz
[Ithe] conventional enclosed thermal current	6 A
Continuous output current	5 A

Complementary

[Uiimp] rated impulse withstand voltage	2.5 kV 1.2/50 µs
[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
Minimum switching capacity	170 mW 10 mA, 17 V
Electrical durability	100000 cycles resistive
Average coil consumption in VA	1.2 60 Hz
Rated operational voltage limits	184...253 V AC
[Ui] rated insulation voltage	250 V IEC 300 V CSA 300 V UL
Average consumption	1.2 VA 60 Hz
Maximum switching voltage	250 V IEC
Drop-out voltage threshold	>= 0.15 Uc
Load current	6 A 250 V AC 6 A 28 V DC
Operating time	20 ms
Maximum switching capacity	1500 VA/168 W
Average resistance	15000 Ohm 20 °C +/- 15 %
Mechanical durability	10000000 cycles

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

Safety reliability data	B10d = 100000
Operating rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Utilisation coefficient	20 %
reset time	20 ms
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
Compatibility code	RXM
Protection category	RT I
Pollution degree	2
Operating position	Any position
Test levels	Level A group mounting
Device presentation	Complete product
Contacts material	AgNi
Shape of pin	Flat (faston type)
Product Weight	0.082 lb(US) (0.037 kg)

Environment

Ambient air temperature for operation	-40...131 °F (-40...55 °C)
IP degree of protection	IP40 conforming to IEC 60529
Standards	UL 508 CSA C22.2 No 14 IEC 61810-1
Product Certifications	UL Lloyd's CE CSA GOST IECEE CB Scheme
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °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
Shock resistance	10 gn in operation 30 gn not operating

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3389119217316
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	0.83 in (2.100 cm)

Package 1 Width	1.10 in (2.800 cm)
Package 1 Length	1.81 in (4.600 cm)
Package weight(Lbs)	1.270 oz (36.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	1.22 in (3.100 cm)
Package 2 Width	4.13 in (10.500 cm)
Package 2 Length	4.72 in (12.000 cm)
Package 2 Weight	13.580 oz (385.000 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	10.748 lb(US) (4.875 kg)

Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Carbon footprint (kg CO₂ eq, Total Life cycle) **22**

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

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

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](#)

Use Again

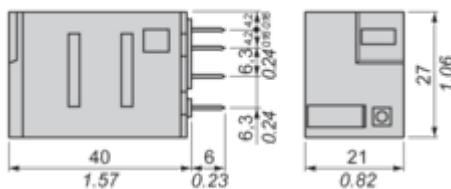
Repack and remanufacture

Circularity Profile [End of Life Information](#)

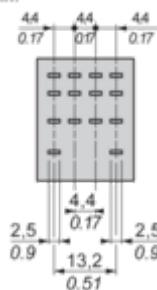
Take-back **No**

Dimensions Drawings

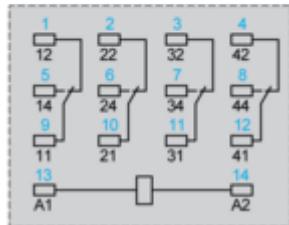
Dimensions

mm
in.

Pin Side View

mm
in.

Connections and Schema

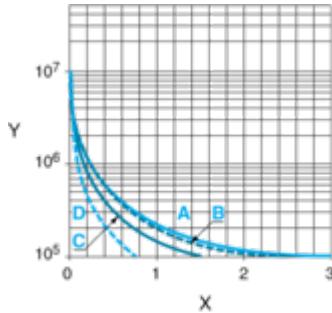
Wiring Diagram

Symbols shown in blue correspond to Nema marking.

Performance Curves

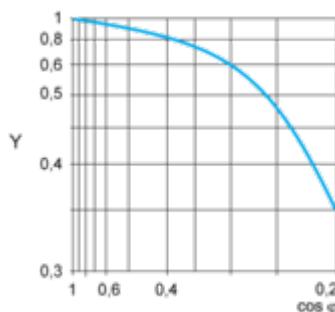
Electrical Durability of Contacts

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

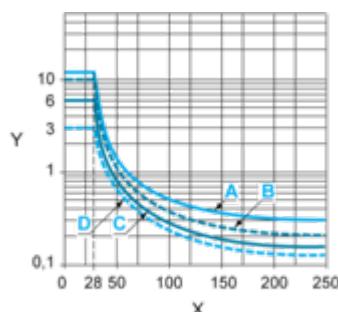


X Switching capacity (kVA)
 Y Durability (Number of operating cycles)
 A RXM2AB...
 B RXM3AB...
 C RXM4AB...
 D RXM4GB...

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



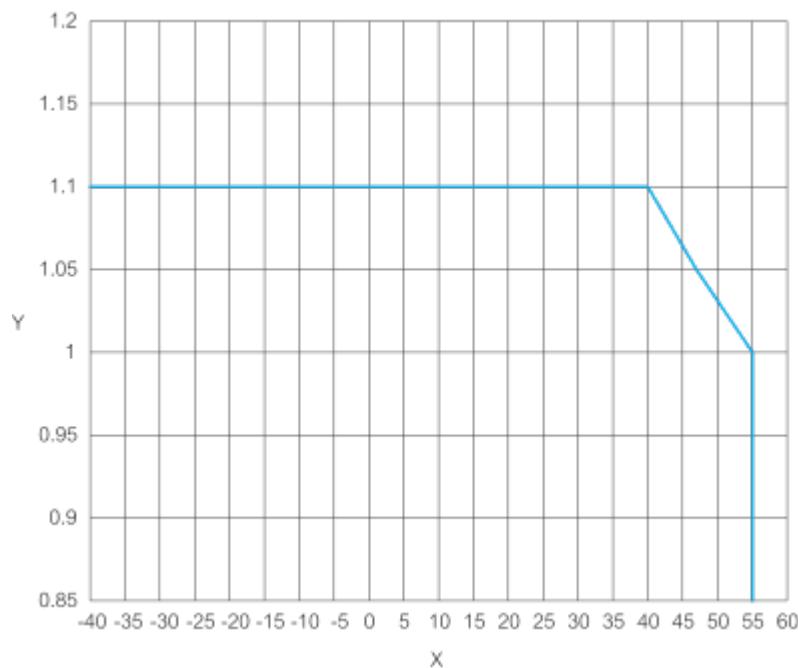
Y Reduction coefficient (A)
 Maximum switching capacity on resistive DC load



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.
 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)

Technical Illustration

Dimensions

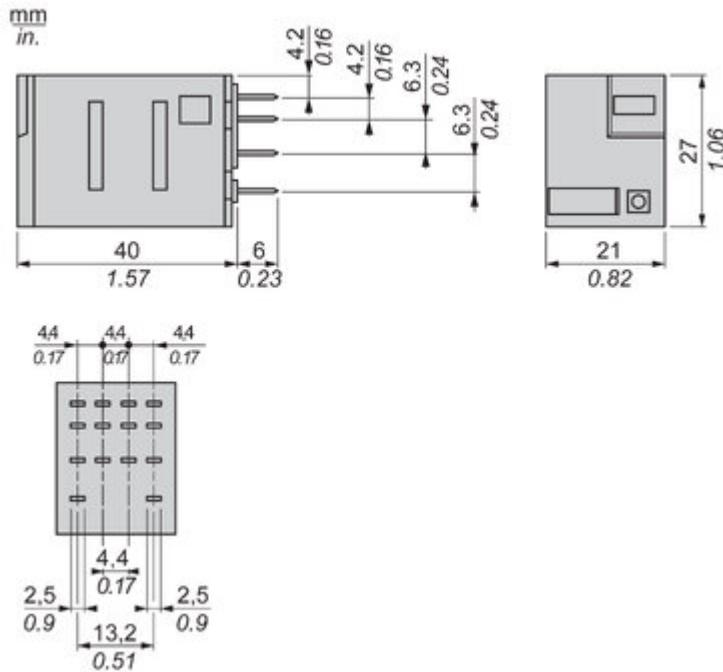


Image of product in real life situation

