Product data sheet

Specification





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

RXM4AB2BD

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	24 V DC
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
[le] 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

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

Average Coil Consumption	0.9 W
Drop-Out Voltage Threshold	>= 0.1 Uc
Operate Time	20 ms
Release Time	20 ms
Average Coil Resistance	650 Ohm 20 °C +/- 10 %
Rated Operational Voltage Limits	19.226.4 V DC
Safety Reliability Data	B10d = 100000
Protection Category	RTI
Test Levels	Level A group mounting
Operating Position	Any position
Cad Overall Height	3.26 in (82.8 mm)
Cad Overall Depth	3.16 in (80.35 mm)
Net Weight	0.08 lb(US) (0.037 kg)
Device Presentation	Complete product

Environment

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
Product Certifications	UL Lloyd's CE CSA GOST IECEE CB Scheme
Standards	IEC 61810-1 UL 508 CSA C22.2 No 14
Ambient Air Temperature For Storage	-40185 °F (-4085 °C)
Ambient Air Temperature For Operation	-40131 °F (-4055 °C)
Vibration Resistance	3 gn +/- 1 mm 10150 Hz)5 cycles in operation 5 gn +/- 1 mm 10150 Hz)5 cycles not operating
Ip Degree Of Protection	IP40 conforming to IEC 60529
Shock Resistance	10 gnin operation 30 gnnot operating
Pollution Degree	2

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
Gtin	3389119403818
Returnability	Yes
Country Of Origin	CN

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Package 1 Height	0.87 in (2.200 cm)
Package 1 Width	1.10 in (2.800 cm)
Package 1 Length	1.97 in (5.000 cm)
Package 1 Weight	1.27 oz (36.000 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	10
Package 2 Height	1.30 in (3.300 cm)
Package 2 Width	4.13 in (10.500 cm)
Package 2 Length	5.12 in (13.000 cm)
Package 2 Weight	13.76 oz (390.000 g)
Unit Type Of Package 3	S02
Number Of Units In Package 3	240
Package 3 Height	5.91 in (15.000 cm)
Package 3 Width	11.81 in (30.000 cm)
Package 3 Length	15.75 in (40.000 cm)
Package 3 Weight	21.50 lb(US) (9.750 kg)

Contractual warranty

Warranty 18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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

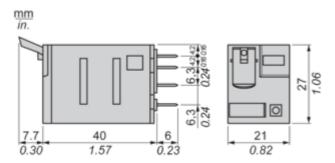
②	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
	Mercury Free	
	Rohs Exemption Information	Yes

Certifications & Standards

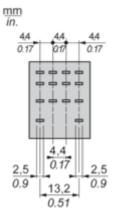
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following 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

Dimensions Drawings

Dimensions



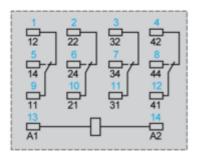
Pin Side View



Connections and Schema

Wiring Diagram



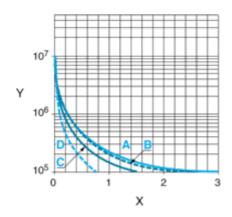


Symbols shown in blue correspond to Nema marking.

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)

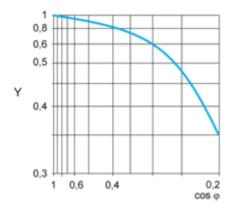
A RXM2AB...

B RXM3AB***

C RXM4AB•••

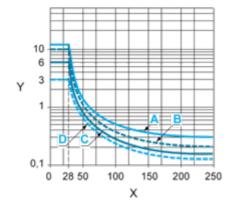
D RXM4GB***

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***

Product data sheet

RXM4AB2BD

B RXM3AB***

C RXM4AB***

D RXM4GB***

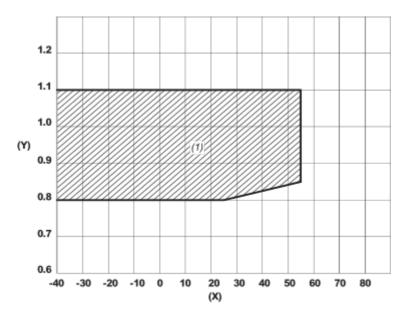
Note: These are typical curves, actual durability depends on load, environment, duty cycle, etc.

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.

Coil Operating Range

DC Coil Operating Range VS Ambient Temperature



 ${\bf X}$: Ambient temperature (°C)

Y: AC coil voltage (U/Uc)

(1) Permitted operating range area