Product data sheet

Specifications





miniature plug in relay, Harmony Electromechanical Relays, 3A, 4CO, lockable test button, 230V AC

RXM4GB1P7

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

Price*: 7.32 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	230 V AC 50/60 Hz
[Ithe] conventional enclosed thermal current	3 A -40.000000000131.000000000 °F (-4055 °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
[le] 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
Mechanical durability	1000000 cycles
Electrical durability	100000 cycles resistive depending on mounting position and working environment

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 in VA	1.2 60 Hz
Average consumption	1.2 VA 60 Hz
Drop-out voltage threshold	>= 0.15 Uc
operate time	20 ms
release time	20 ms
average coil resistance	15000 Ohm 20 °C +/- 15 %
Rated operational voltage limits	184253 V AC
Protection category	RT I
Test levels	Level A group mounting
Operating position	Any position
Net Weight	0.082 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
	2000 V AC between poles
Product Certifications	UL
	Lloyd's
	CE
	CSA
	GOST
	IECEE CB Scheme
Standards	CSA C22.2 No 14
	IEC 61810-1
	UL 508
Ambient Air Temperature for Storage	-40.000000000185.0000000000 °F (-4085 °C)
Ambient air temperature for operation	-40.000000000131.000000000 °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	3389119403962
Returnability	No
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.787 in (2.000 cm)
Package 1 Width	1.102 in (2.800 cm)

Package 1 Length	1.890 in (4.800 cm)
Package 1 Weight	1.235 oz (35.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	1.299 in (3.300 cm)
Package 2 Width	4.055 in (10.300 cm)
Package 2 Length	5.039 in (12.800 cm)
Package 2 Weight	13.333 oz (378.000 g)
Unit Type of Package 3	S02
Number of Units in Package 3	240
Package 3 Height	5.906 in (15.000 cm)
Package 3 Width	11.811 in (30.000 cm)
Package 3 Length	15.748 in (40.000 cm)
Package 3 Weight	21.034 lb(US) (9.541 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen

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

Reach Free Of Svhc

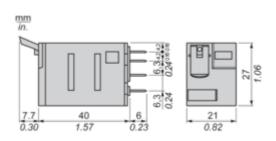
Rohs Exemption Information Yes

Certifications & Standards

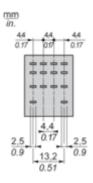
California Proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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.
Environmental Disclosure	Product Environmental Profile
China Rohs Regulation	China RoHS declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Reach Regulation	REACh Declaration

Dimensions Drawings

Dimensions



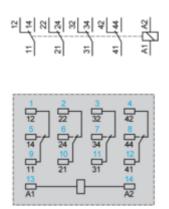
Pin Side View



Product data sheet

Connections and Schema

Wiring Diagram



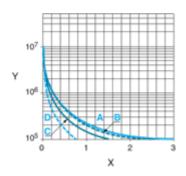
Symbols shown in blue correspond to Nema marking.

Product data sheet

Performance Curves

Electrical Durability of Contacts

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

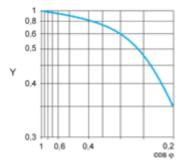


X Switching capacity (kVA)

Y Durability (Number of operating cycles)

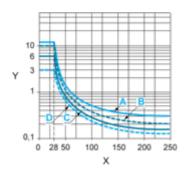
- A RXM2AB ····
- B RXM3AB •••
- **C** RXM4AB••••
- D RXM4GB····

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



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.

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