Product data sheet

Specifications





(!) Discontinued

Miniature Plug-in relay - Harmony RXM 2 C/O 230 V AC 12 A with LED

RXM2AB3P7

- ! Discontinued on: Dec 2, 2020
- ! End-of-service on: Dec 31, 2020

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

Main

Range Of Product	Harmony Relay
Series Name	Miniature
Product Or Component Type	Plug-in relay
Device Short Name	RXM
Contacts Type And Composition	2 C/O
[Uc] Control Circuit Voltage	230 V AC 50/60 Hz
Status Led	With
Control Type	Without 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	4 kV 1.2/50 μs
Contacts Material	AgNi
[le] Rated Operational Current	12 A 28 V DC) NO IEC
	12 A 250 V AC) NO IEC
	6 A 28 V DC) NC IEC
	6 A 250 V AC) NC IEC
	12 A 28 V DC) UL
	12 A 277 V AC) UL
Continuous Output Current	10 A
Maximum Switching Voltage	250 V IEC
Resistive Rated Load	12 A 250 V AC
	12 A 28 V DC
Maximum Switching Capacity	3000 VA/336 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 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	
Safety Reliability Data	B10d = 100000	
Protection Category	RTI	
Test Levels	Level A group mounting	
Operating Position	Any position	
Cad Overall Height	3.11 in (79 mm)	
Cad Overall Depth	3.09 in (78.45 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	
	CSA C22.2 No 14	
	UL 508	
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	3	

Ordering and shipping details

Category	US10CP221127	
Discount Schedule	0CP2	
Gtin	00785901641933	
Returnability	No	
Country Of Origin	CN	

Packing Units

Unit Time Of Bealians 4	DCE		
Unit Type Of Package 1	PCE		

Number Of Units In Package 1	1
Package 1 Height	1.61 in (4.1 cm)
Package 1 Width	0.83 in (2.1 cm)
Package 1 Length	1.10 in (2.8 cm)
Package 1 Weight	1.23 oz (35 g)

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



Reach Free Of Svhc



Rohs Exemption Information

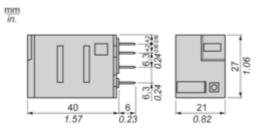
Yes

Certifications & Standards

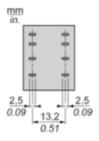
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following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

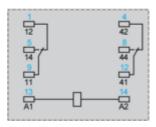


RXM2AB3P7

Connections and Schema

Wiring Diagram





Symbols shown in blue correspond to Nema marking.

Product data sheet

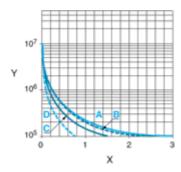
RXM2AB3P7

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)

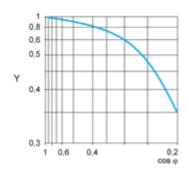
A RXM2AB ***

B RXM3AB***

C RXM4AB***

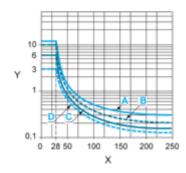
D RXM4GB•••

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.

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.