Product datasheet

Specification





Miniature Plug-in relay - Zelio RXM 2 C/O 24 V AC 12 A with LED

RXM2AB2B7

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	2 C/O
[Uc] Control Circuit Voltage	24 V AC 50/60 Hz
Status Led	With
Control Type	Lockable test button
Utilisation Coefficient	20 %

Complementary

•	
Pin Flat	
Insulation Voltage 250 V o	onforming to IEC
	onforming to CSA
	onforming to UL
ted Impulse Withstand 4 kV du	ring 1.2/50 μs
Material AgNi	
Operational Current 12 A at	28 V (DC) NO conforming to IEC
12 A at	250 V (AC) NO conforming to IEC
6 A at 2	8 V (DC) NC conforming to IEC
	50 V (AC) NC conforming to IEC
	28 V (DC) conforming to UL
	277 V (AC) conforming to UL
127(0)	277 V (XO) Comorning to CE
s Output Current 10 A	
Switching Voltage 250 V c	onforming to IEC
Rated Load 12 A at	250 V AC
12 A at	28 V DC
Switching Capacity 3000 V	A/336 W
Switching Capacity 170 mV	/ at 10 mA, 17 V
Rate <= 1200) cycles/hour under load
	00 cycles/hour no-load
~= 1000	o cycles/nour no-load
al Durability 100000	00 cycles
10000	
Durability 100000	cycles for resistive load
oil Consumption In Va 1.2 at 6	0 Hz
consumption 1.2 VA	at 60 Hz
coil Consumption In Va 1.2 at 6 consumption 1.2 VA	*

Drop-Out Voltage Threshold	>= 0.15 Uc
Operate Time	20 ms
Release Time	20 ms
Average Coil Resistance	180 Ohm at 20 °C +/- 15 %
Rated Operational Voltage Limits	19.226.4 V AC
Safety Reliability Data	B10d = 100000
Protection Category	RTI
Test Levels	Level A group mounting
Operating Position	Any position
Net Weight	0.037 kg
Device Presentation	Complete product

Environment

Dielectric Strength	1300 V AC between contacts with micro disconnection
Dielectric Strength	2000 V AC between colland contact with basic insulation
	2000 V AC between con and contact with basic insulation
	2000 V 710 between poles with basic insulation
Product Certifications	UL
	Lloyd's
	CE
	CSA
	GOST
	IECEE CB Scheme
Standards	UL 508
	IEC 61810-1
	CSA C22.2 No 14
Ambient Air Temperature For Storage	-4085 °C
Ambient Air Temperature For Operation	-4055 °C
Vibration Resistance	3 gn, amplitude = +/- 1 mm (f = 10150 Hz)5 cycles in operation
	5 gn, amplitude = +/- 1 mm (f = 10150 Hz)5 cycles not operating
Ip Degree Of Protection	IP40 conforming to IEC 60529
Shock Resistance	10 gn for in operation
	30 gn for not operating
Pollution Degree	3

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2 cm
Package 1 Width	2.8 cm
Package 1 Length	4.8 cm
Package 1 Weight	36 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	10
Package 2 Height	3 cm
Package 2 Width	10.5 cm
Package 2 Length	12.5 cm

Package 2 Weight	394 g
Unit Type Of Package 3	S02
Number Of Units In Package 3	240
Package 3 Height	15 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	9.928 kg

Contractual warranty

Warranty 18 months



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

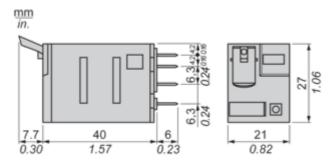
⊘	Reach Free Of Svhc	
9	Toxic Heavy Metal Free	
②	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

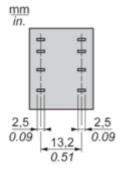
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

Dimensions Drawings

Dimensions



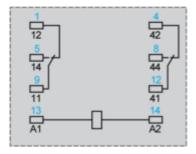
Pin Side View



Connections and Schema

Wiring Diagram



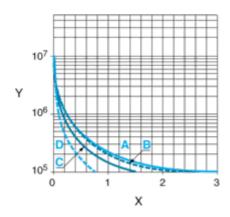


Symbols shown in blue correspond to Nema marking.

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)

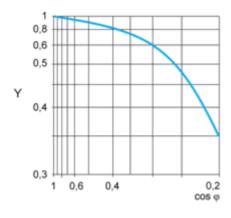
A RXM2AB...

B RXM3AB***

C RXM4AB•••

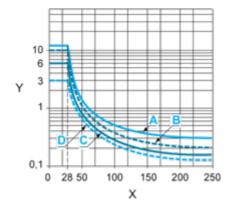
D RXM4GB***

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 datasheet

RXM2AB2B7

B RXM3AB***

C RXM4AB***

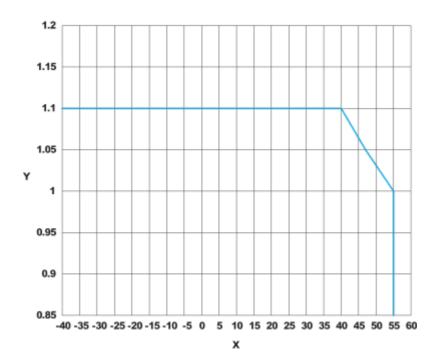
D RXM4GB***

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)

19 Apr 2024