

Product data sheet

Specifications



Harmony, Miniature plug-in relay, 6 A, 2 CO, with lockable test button, 125 V DC

RXM2AB1GD

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	125 V DC
Status Led	Without
Control Type	Lockable test button
Utilisation Coefficient	20 %

Complementary

Shape Of Pin	Flat
[Ui] Rated Insulation Voltage	250 V conforming to IEC
[Uimp] Rated Impulse Withstand Voltage	4 kV during 1.2/50 μ s
Contacts Material	AgNi
[Ie] Rated Operational Current	3 A at 28 V (DC) NC conforming to IEC 3 A at 250 V (AC) NC conforming to IEC 6 A at 28 V (DC) NO conforming to IEC 6 A at 250 V (AC) NO conforming to IEC
Continuous Output Current	10 A
Maximum Switching Voltage	250 V conforming to IEC
Resistive Rated Load	6 A at 250 V AC 6 A at 28 V DC
Maximum Switching Capacity	1500 VA/168 W
Minimum Switching Capacity	170 mW at 10 mA, 17 V
Operating Rate	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical Durability	10000000 cycles
Electrical Durability	200000 cycles for resistive load
Average Coil Consumption	0.8 W
Drop-Out Voltage Threshold	>= 0.1 Uc
Operate Time	20 ms
Release Time	20 ms

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Average Coil Resistance	17360 Ohm at 20 °C +/- 10 %
Rated Operational Voltage Limits	100...138 V DC
Safety Reliability Data	B10d = 100000
Protection Category	RT I
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 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
Ambient Air Temperature For Storage	-40...85 °C
Ambient Air Temperature For Operation	-40...40 °C
Vibration Resistance	3 gn, amplitude = +/- 1 mm (f = 10...150 Hz)5 cycles in operation 5 gn, amplitude = +/- 1 mm (f = 10...150 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	5.4 cm
Package 1 Width	2.1 cm
Package 1 Length	2.72 cm
Package 1 Weight	35 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	10
Package 2 Height	3 cm
Package 2 Width	10.2 cm
Package 2 Length	12.5 cm
Package 2 Weight	385 g
Unit Type Of Package 3	S01
Number Of Units In Package 3	120
Package 3 Height	15 cm

Package 3 Width	15 cm
Package 3 Length	40 cm
Package 3 Weight	4.867 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class 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

✓ Toxic Heavy Metal Free

✓ Mercury Free

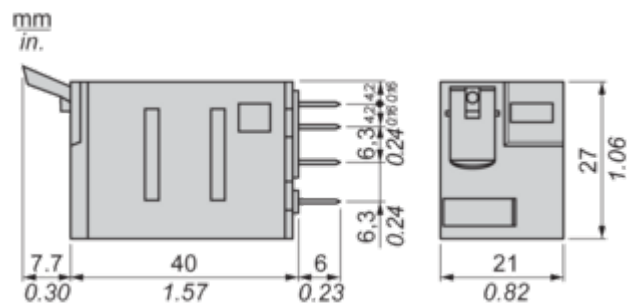
✓ Rohs Exemption Information Yes

Certifications & Standards

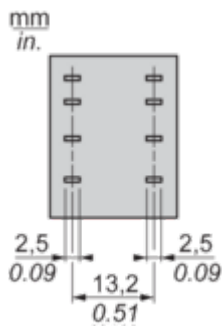
Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following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

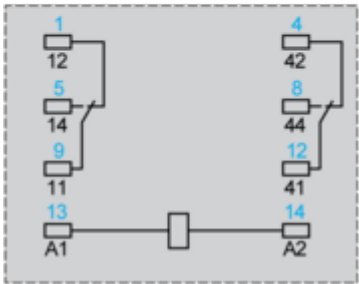
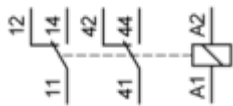


Pin Side View



Connections and Schema

Wiring Diagram



Symbols shown in blue correspond to Nema marking.