

Product data sheet

Specifications



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

RXM2AB1GD

⚠ Discontinued on: Oct 9, 2023

⚠ Discontinued

Main

Range of Product	Harmony Electromechanical Relays
Series name	RXM series
Product or Component Type	Plug-in relay
Relay Type	Miniature relay
Contacts type and composition	2 C/O
Status LED	Without
Control Type	Lockable test button
[Uc] control circuit voltage	125 V DC
[Ithe] conventional enclosed thermal current	6 A
Continuous output current	10 A

Complementary

[Uimp] rated impulse withstand voltage	4 kV 1.2/50 μ s
[Ie] 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
Minimum switching capacity	170 mW 10 mA, 17 V
Electrical durability	200000 cycles resistive
Rated operational voltage limits	100...138 V DC
[Ui] rated insulation voltage	250 V IEC
Maximum switching voltage	250 V IEC
Drop-out voltage threshold	$\geq 0.1 U_c$
Load current	6 A 250 V AC 6 A 28 V DC
Operating time	20 ms
Maximum switching capacity	1500 VA/168 W
Average resistance	17360 Ohm 20 °C +/- 10 %
Average coil consumption	0.8 W
Mechanical durability	10000000 cycles
Safety reliability data	B10d = 100000
Operating rate	≤ 1200 cycles/hour under load ≤ 18000 cycles/hour no-load

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

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

Utilisation coefficient	20 %
reset time	20 ms
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
Compatibility code	RXM
Protection category	RT I
Pollution degree	3
Operating position	Any position
Test levels	Level A group mounting
Device presentation	Complete product
Contacts material	AgNi
Shape of pin	Flat (faston type)
Net Weight	0.082 lb(US) (0.037 kg)

Environment

Ambient air temperature for operation	-40...104 °F (-40...40 °C)
IP degree of protection	IP40 conforming to IEC 60529
Standards	IEC 61810-1
Product Certifications	UL Lloyd's CE CSA GOST IECEE CB Scheme
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Vibration resistance	3 gn +/- 1 mm 10...150 Hz)5 cycles in operation 5 gn +/- 1 mm 10...150 Hz)5 cycles not operating
Shock resistance	10 gnin operation 30 gnnot operating

Ordering and shipping details

GTIN	3606480437106
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Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.1 in (5.4 cm)
Package 1 Width	0.8 in (2.1 cm)
Package 1 Length	1.07 in (2.72 cm)
Package weight(Lbs)	1.2 oz (35 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	1.2 in (3 cm)
Package 2 Width	4.02 in (10.2 cm)
Package 2 Length	4.9 in (12.5 cm)

Package 2 Weight	13.6 oz (385 g)
Unit Type of Package 3	S01
Number of Units in Package 3	120
Package 3 Height	5.9 in (15 cm)
Package 3 Width	5.9 in (15 cm)
Package 3 Length	15.7 in (40 cm)
Package 3 Weight	10.730 lb(US) (4.867 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

 Environmental footprint	
Environmental Disclosure	Product Environmental Profile

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	REACH Declaration
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

Use Longer

 Lifetime extension	
Repair	No

Use Again

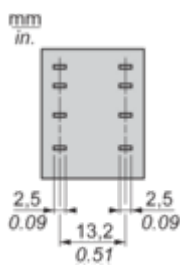
 Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Dimensions

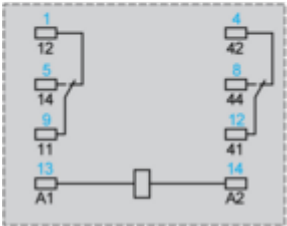


Pin Side View



Connections and Schema

Wiring Diagram



Symbols shown in blue correspond to Nema marking.

Technical Illustration

Dimensions

