

Product datasheet

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	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 during 1.2/50 µs
[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
Minimum switching capacity	170 mW at 10 mA, 17 V
Electrical durability	200000 cycles for resistive load
Rated operational voltage limits	100...138 V DC
[Ui] rated insulation voltage	250 V conforming to IEC
Maximum switching voltage	250 V conforming to IEC
Drop-out voltage threshold	>= 0.1 Uc
Load current	6 A at 250 V AC 6 A at 28 V DC
Operating time	20 ms
Maximum switching capacity	1500 VA/168 W
Average resistance	17360 Ohm at 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
Utilisation coefficient	20 %

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

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)
Product weight	0.037 kg

Environment

Ambient air temperature for operation	-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...85 °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
Shock resistance	10 gn for in operation 30 gn for not operating

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 (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

[Compliant](#)

REACH Regulation

[Free of Substances of Very High Concern above the threshold](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

End of life manual availability

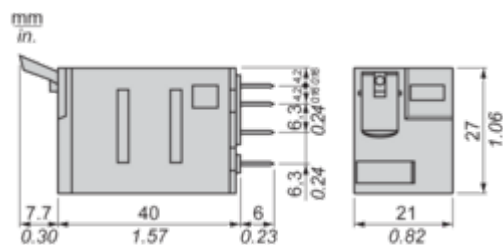
[End of Life Information](#)

Take-back

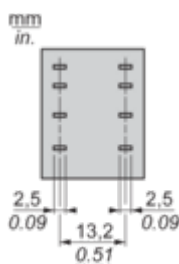
No

Dimensions Drawings

Dimensions



Pin Side View



Connections and Schema

Wiring Diagram



Symbols shown in blue correspond to Nema marking.

Technical Illustration

Dimensions

