

# Product data sheet

Specifications



## Harmony, Miniature plug-in relay, 6 A, 2 CO, with lockable test button, 240 V AC

RXM2AB1U7

### 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	240 V AC 50/60 Hz
[Ithe] conventional enclosed thermal current	6 A
Continuous output current	10 A

### Complementary

[Uimp] rated impulse withstand voltage	4 kV 1.2/50 $\mu$ 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
Average coil consumption in VA	1.2 60 Hz
Rated operational voltage limits	192...264 V AC
[Ui] rated insulation voltage	250 V IEC
Average consumption	1.2 VA 60 Hz
Maximum switching voltage	250 V IEC
Drop-out voltage threshold	$\geq 0.15 U_c$
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	17720 Ohm 20 °C +/- 15 %
Mechanical durability	10000000 cycles
Safety reliability data	B10d = 100000
Operating rate	$\leq 1200$ cycles/hour under load $\leq 18000$ 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.

Utilisation coefficient	20 %
Reset time	35 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	3606480437151
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## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	0.8 in (2.1 cm)
Package 1 Width	1.06 in (2.7 cm)
Package 1 Length	1.9 in (4.8 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	4.1 in (10.5 cm)
Package 2 Length	4.9 in (12.5 cm)

<b>Package 2 Weight</b>	13.8 oz (392 g)
<b>Unit Type of Package 3</b>	S01
<b>Number of Units in Package 3</b>	120
<b>Package 3 Height</b>	5.9 in (15 cm)
<b>Package 3 Width</b>	5.9 in (15 cm)
<b>Package 3 Length</b>	15.7 in (40 cm)
<b>Package 3 Weight</b>	10.842 lb(US) (4.918 kg)

## **Contractual warranty**

<b>Warranty (in months)</b>	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

Total lifecycle Carbon footprint	16 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	16 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	<a href="#">Compliant</a>
REACH Regulation	<a href="#">Free of Substances of Very High Concern above the threshold</a>
California proposition 65	<b>WARNING:</b> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Circularity Profile	<a href="#">End of Life Information</a>
Take-back	Nej

Technical Illustration

Dimensions

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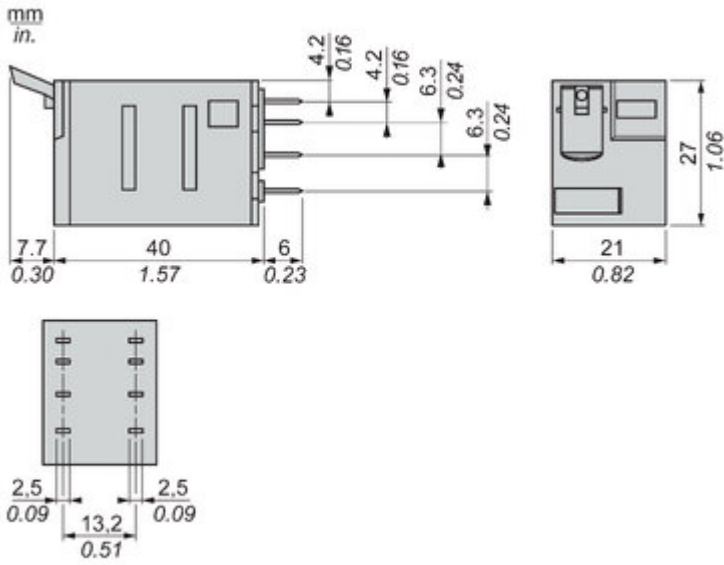


Image of product in real life situation

