

Product data sheet

Specifications



Harmony, Miniature plug-in relay, 6 A, 2 CO, with lockable test button, 110 V AC

RXM2AB1G7

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 | 110 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 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 |
| Average coil consumption in VA | 1.1 60 Hz |
| Rated operational voltage limits | 88...121 V AC |
| [Ui] rated insulation voltage | 250 V IEC |
| Average consumption | 1.1 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 | 3720 Ohm 20 °C +/- 15 % |
| 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.

| | |
|-------------------------|--|
| 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) |
| Product 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 | 3606480437137 |
|------|---------------|

Packing Units

| | |
|------------------------------|-----------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 1.6 in (4.1 cm) |
| Package 1 Width | 0.8 in (2.1 cm) |
| Package 1 Length | 1.1 in (2.8 cm) |
| Package weight(Lbs) | 1.3 oz (38.0 g) |
| Unit Type of Package 2 | CAR |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 1.6 in (4.1 cm) |
| Package 2 Width | 0.8 in (2.1 cm) |
| Package 2 Length | 1.1 in (2.8 cm) |

| | |
|-------------------------------------|--------------------------|
| Package 2 Weight | 13.4 oz (380.0 g) |
| Unit Type of Package 3 | S02 |
| Number of Units in Package 3 | 240 |
| Package 3 Height | 5.9 in (15.0 cm) |
| Package 3 Width | 11.8 in (30.0 cm) |
| Package 3 Length | 15.7 in (40.0 cm) |
| Package 3 Weight | 21.109 lb(US) (9.575 kg) |

Contractual warranty

| | |
|-----------------------------|----|
| Warranty (in months) | 18 |
|-----------------------------|----|



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 | 15 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] | 14 kg CO2 eq. |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |

Use Better



Materials and Substances

| | |
|--|---|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| EU RoHS Directive | Compliant |
| REACH Regulation | Free of Substances of Very High Concern above the threshold |
| 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

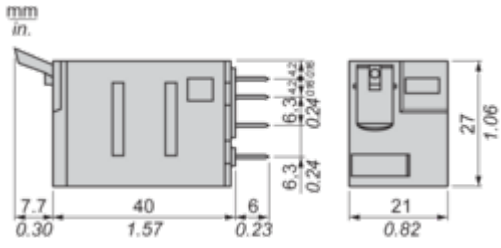


Repack and remanufacture

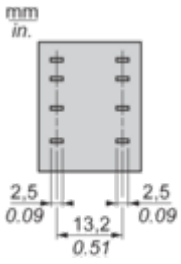
| | |
|---------------------|---|
| Circularity Profile | End of Life Information |
| Take-back | No |

Dimensions Drawings

Dimensions

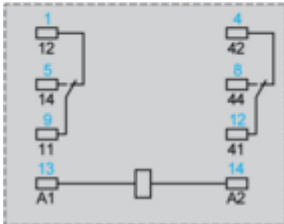
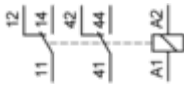


Pin Side View



Connections and Schema

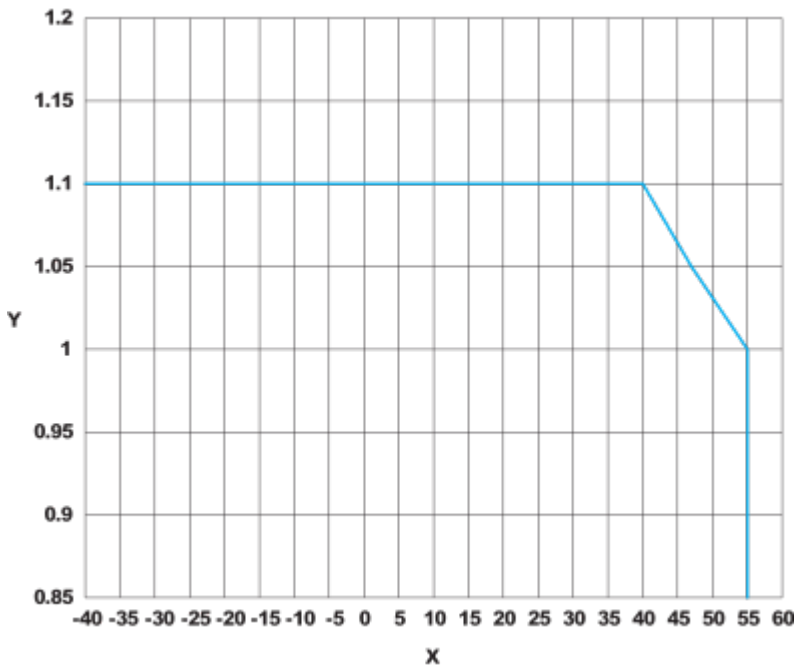
Wiring Diagram



Symbols shown in blue correspond to Nema marking.

Performance Curves

AC Coil Voltage and Operating Temperature under continuous duty



X : Operating temperature (°C)
Y : AC coil voltage (UC)

Technical Illustration

Dimensions

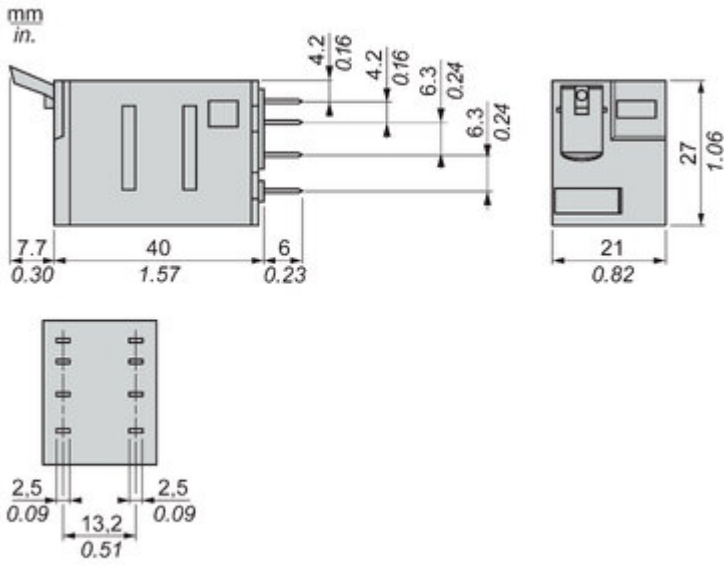


Image of product in real life situation

