

Product data sheet

Specifications



power plug-in relay - Harmony RPM - 3 C/O - 24 V AC - 15 A - with LED

RPM33B7

⚠ Discontinued on: Jan 23, 2021

⚠ Discontinued

Main

| | |
|--|---------------------------------|
| Range Of Product | Harmony Relay |
| Series Name | Power |
| Product Or Component Type | Plug-in relay |
| Device Short Name | RPM |
| Contacts Type And Composition | 3 C/O |
| [Uc] Control Circuit Voltage | 24 V AC 50/60 Hz |
| [Ithe] Conventional Enclosed Thermal Current | 15 A -40...131 °F (-40...55 °C) |
| Status Led | With |
| Control Type | Without lockable test button |
| Utilisation Coefficient | 20 % |

Complementary

| | |
|--|---|
| Shape Of Pin | Flat |
| [Ui] Rated Insulation Voltage | 250 V IEC 300 V CSA 300 V UL |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV 1.2/50 µs |
| Contacts Material | AgNi |
| [Ie] Rated Operational Current | 15 A 277 V AC) UL 15 A 28 V DC) UL 15 A 250 V AC) NO IEC 15 A 28 V DC) NO IEC 7.5 A 250 V AC) NC IEC 7.5 A 28 V DC) NC IEC |
| Maximum Switching Voltage | 250 V IEC |
| Resistive Load Current | 15 A 250 V AC 15 A 28 V DC |
| Maximum Switching Capacity | 3750 VA 420 W |
| Minimum Switching Capacity | 170 mW 10 mA, 17 V |
| Operating Rate | <= 1200 cycles/hour under load <= 18000 cycles/hour no-load |
| Mechanical Durability | 10000000 cycles |
| Electrical Durability | 100000 cycles resistive |
| Average Coil Consumption In Va | 1.7 60 Hz |

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

| | |
|---|-----------------------------------|
| Drop-Out Voltage Threshold | >= 0.15 Uc AC |
| Operate Time | 20 ms at nominal voltage |
| Release Time | 20 ms at nominal voltage |
| Average Coil Resistance | 110 Ohm at 68 °F (20 °C) +/- 15 % |
| Rated Operational Voltage Limits | 19.2...26.4 V AC |
| Protection Category | RT I |
| Test Levels | Level A group mounting |
| Operating Position | Any position |
| Pollution Degree | 3 |
| Safety Reliability Data | B10d = 100000 |
| Net Weight | 0.12 lb(US) (0.054 kg) |
| Device Presentation | Complete product |

Environment

| | |
|--|---|
| Dielectric Strength | 1500 V AC between contacts with micro disconnection 2000 V AC between coil and contact with reinforced 2000 V AC between poles with basic |
| Standards | EN/IEC 61810-1 CSA C22.2 No 14 UL 508 |
| Product Certifications | UL CSA EAC |
| Ambient Air Temperature For Storage | -40...185 °F (-40...85 °C) |
| Ambient Air Temperature For Operation | -40...131 °F (-40...55 °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 |
| Degree Of Protection (Housing Only) | IP40 conforming to EN/IEC 60529 |
| Shock Resistance | 15 gn in operation 30 gn not operating |

Ordering and shipping details

| | |
|--------------------------|-----------------------------|
| Category | 21127-ZELIO ICE CUBE RELAYS |
| Discount Schedule | CP2 |
| Gtin | 00785901709022 |
| Returnability | No |
| Country Of Origin | CN |

Contractual warranty

| | |
|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|

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

 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

No need of specific recycling operations

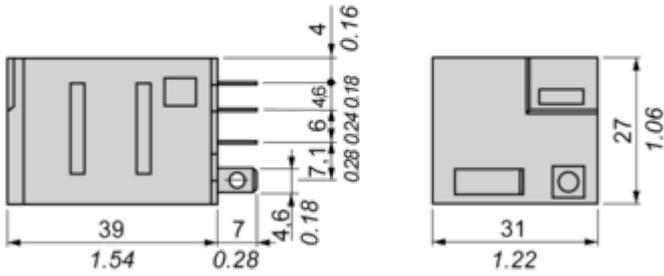
California Proposition 65

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

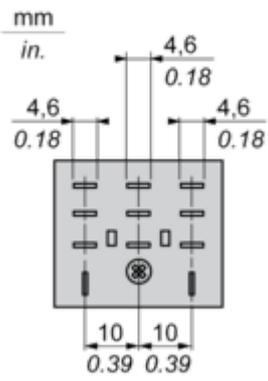
Dimensions Drawings

Dimensions

mm
in.

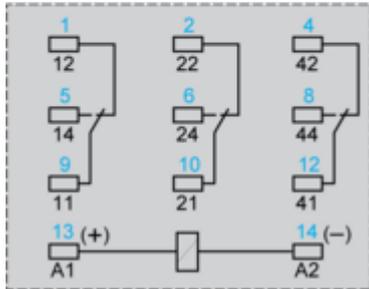
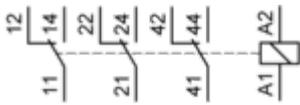


Pin Side View



Connections and Schema

Wiring Diagram



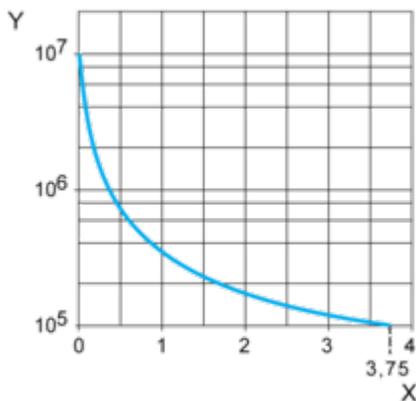
Symbols shown in blue correspond to Nema marking.

Performance Curves

Electrical Durability of Contacts

Durability (inductive load) = durability (resistive load) x reduction coefficient.

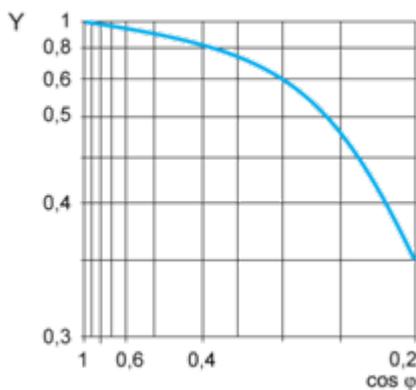
Resistive AC load



X Switching capacity (kVA)

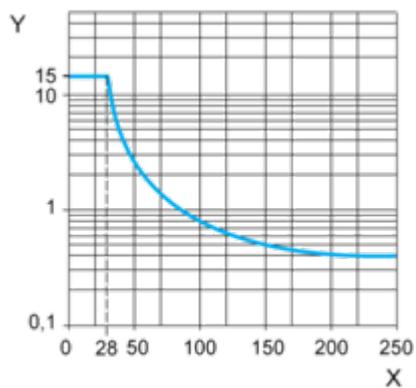
Y Durability (Number of operating cycles)

Reduction coefficient for inductive AC load (depending on power factor cos φ)



Y Reduction coefficient (A)

Maximum switching capacity on resistive DC load



X Voltage DC

Y Current DC

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.