RPM22JD

Harmony, Power plug-in relay, 15 A, 2 CO, with LED, with lockable test button, 12 V DC





Main

| Range of Product | Harmony Electromechanical Relays |
|--|----------------------------------|
| Series name | Power |
| Product or Component Type | Plug-in relay |
| Device short name | RPM |
| Contacts type and composition | 2 C/O |
| [Uc] control circuit voltage | 12 V DC |
| [Ithe] conventional enclosed thermal current | 15 A -40131 °F (-4055 °C) |
| Status LED | With |
| Control Type | Lockable test button |
| Utilisation coefficient | 20 % |
| | |

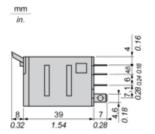
Complementary

| o impromornary | |
|--|-----------------------------------|
| 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 |
| [le] 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 | 0.85 W |
| Drop-out voltage threshold | >= 0.1 Uc DC |
| Operate time | 20 ms at nominal voltage |
| Release time | 20 ms at nominal voltage |
| Average coil resistance | 160 Ohm at 68 °F (20 °C) +/- 10 % |
| Rated operational voltage limits | 9.613.2 V DC |
| Protection category | RT I |
| Test levels | Level A |
| Operating position | Any position |
| Pollution degree | 3 |
| Safety reliability data | B10d = 100000 |

| Net Weight | 0.08 lb(US) (0.036 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 | CSA C22.2 No 14 EN/IEC 61810-1 UL 508 |
| Product Certifications | CSA UL EAC |
| Ambient Air Temperature for Storage | -40185 °F (-4085 °C) |
| Ambient air temperature for operation | -40131 °F (-4055 °C) |
| Vibration resistance | 3 gn +/- 1 mm 10150 Hz)5 cycles in operation 5 gn +/- 1 mm 10150 Hz)5 cycles not operating |
| Degree of protection (Housing only) | IP40 conforming to EN/IEC 60529 |
| Shock resistance | 15 gnin operation 30 gnnot operating |
| Ordering and shipping details | |
| Category | 21127 - ZELIO ICE CUBE RELAYS |
| Discount Schedule | CP2 |
| GTIN | 3389119401944 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.31 oz (37 g) |
| Returnability | Yes |
| Country of origin | CN |
| Packing Units | |
| Unit Type of Package 1 | PCE |
| Package 1 Height | 0.79 in (20 mm) |
| Package 1 width | 1.81 in (46 mm) |
| Package 1 Length | 1.02 in (26 mm) |
| Offer Sustainability | |
| Sustainable offer status California proposition 65 | Green Premium product 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 |
| REACh Regulation | www.P65Warnings.ca.gov |
| REACh free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS |
| Toxic heavy metal free | Declaration Yes |
| Mercury free | Yes |
| RoHS exemption information | ₽¥Yes |
| 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. |
| Contractual warranty | |
| Warranty | 18 months |
| ······································· | TO MONING |

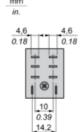
RPM22JD

Dimensions



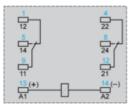


Pin Side View



Wiring Diagram





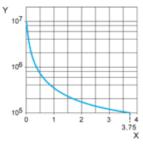
Symbols shown in blue correspond to Nema marking.

RPM22JD

Electrical Durability of Contacts

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

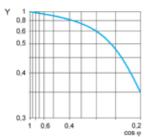
Resistive AC load



X Switching capacity (kVA)

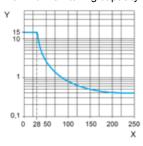
Y Durability (Number of operating cycles)

Reduction coefficient for inductive AC load (depending on power factor $\cos \phi$)



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.