Product data sheet Characteristics

RUMC32BD

universal plug in relay, Harmony Electromechanical Relays, 10A, 3CO, with LED, lockable test but to n, 24V DC





| Main | |
|--|----------------------------------|
| Range of Product | Harmony Electromechanical Relays |
| Series name | Universal |
| Product or Component Type | Plug-in relay |
| Device short name | RUM |
| Contacts type and composition | 3 C/O |
| [Uc] control circuit voltage | 24 V DC |
| [lthe] conventional enclosed thermal current | 10 A -40131 °F (-4055 °C) |
| Status LED | With |
| Control type | Lockable test button |
| Utilisation coefficient | 20 % |
| | |

Complementary

| Cylindrical |
|---|
| 250 V IEC |
| 300 V CSA |
| 300 V UL |
| 4 kV 1.2/50 μs) |
| AgNi |
| 10 A at 277 V AC conforming to UL |
| 10 A at 30 V DC conforming to UL |
| 10 A at 277 V AC (same polarity) conforming to CSA |
| 10 A at 30 V DC conforming to CSA 5 A at 250 V AC (NC) conforming to IEC |
| 5 A at 250 V AC (NC) conforming to IEC |
| 10 A at 250 V AC (NO) conforming to IEC |
| 10 A at 28 V DC (NO) conforming to IEC |
| 250 V IEC |
| 10 A 250 V AC |
| 10 A 28 V DC |
| 2500 VA/280 W |
| 170 mW 10 mA, 17 V |
| <= 18000 cycles/hour no-load |
| <= 1200 cycles/hour under load |
| 5000000 cycles |
| 100000 cycles resistive |
| 1.4 W |
| >= 0.1 Uc DC |
| 20 ms at nominal voltage |
| 20 ms at nominal voltage |
| 470 Ohm 20 °C +/- 15 % |
| 19.226.4 V DC |
| RTI |
| Level A group mounting |
| B10d = 100000 |
| Any position |
| |



| Net Weight | 0.19 lb(US) (0.086 kg) |
|---------------------|------------------------|
| Device presentation | Complete product |

Environment

| 1500 V AC between contacts with micro disconnection 2500 V AC between coil and contact with reinforced 2000 V AC between poles with basic |
|---|
| EAC[RETURN]UL[RETURN]CSA |
| IEC 61810-1 CSA C22.2 No 14 UL 508 |
| -40185 °F (-4085 °C) |
| -40131 °F (-4055 °C) |
| 3 gn +/- 1 mm 10150 Hz)5 cycles in operation 4 gn +/- 1 mm 10150 Hz)5 cycles not operating |
| IP40 |
| 10 gn 11 ms) in operation IEC 60068-2-27 10 gn 11 ms) not operating IEC 60068-2-27 |
| 2 |
| |

Ordering and shipping details

| Category | 21127-ZELIO ICE CUBE RELAYS |
|-------------------|-----------------------------|
| Discount Schedule | CP2 |
| GTIN | 3606480626937 |
| Returnability | Yes |
| Country of origin | CN |

Packing Units

| 0 | |
|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.42 in (3.6 cm) |
| Package 1 Width | 1.38 in (3.5 cm) |
| Package 1 Length | 2.72 in (6.9 cm) |
| Package 1 Weight | 3.17 oz (90 g) |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 1.57 in (4 cm) |
| Package 2 Width | 5.75 in (14.6 cm) |
| Package 2 Length | 7.87 in (20 cm) |
| Package 2 Weight | 34.00 oz (964 g) |
| Unit Type of Package 3 | S02 |
| Number of Units in Package 3 | 60 |
| Package 3 Height | 5.91 in (15 cm) |
| Package 3 Width | 11.81 in (30 cm) |
| Package 3 Length | 15.75 in (40 cm) |
| Package 3 Weight | 14.17 lb(US) (6.426 kg) |
| | |

| Offer Sustainability | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| 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 |
| REACh Regulation | REACh Declaration |
| REACh free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) Pro-Bell RoHS |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | ⊡ Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |

Product data sheet Dimensions Drawings

RUMC32BD

Dimensions



RUMC32BD

Wiring Diagram

Wiring Diagram



Symbols shown in blue correspond to Nema marking.

Product data sheet Performance Curves

RUMC32BD

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.