

Product datasheet

Specifications



universal plug-in relay - Zelio RUM - 3 C/O - 24 V AC - 10 A - with LED

RUMF3AB2B7

⚠ Discontinued on: 23 Jan 2021

⚠ Discontinued

Main

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|----------------------------------------------|----------------------|
| Range Of Product | Harmony Relay |
| 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 AC |
| [Ithe] Conventional Enclosed Thermal Current | 10 A at -40...55 °C |
| Status Led | With |
| Control Type | Lockable test button |
| Utilisation Coefficient | 20 % |

Complementary

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|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shape Of Pin | Flat |
| [Ui] Rated Insulation Voltage | 250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV |
| Contacts Material | AgNi |
| [Ie] Rated Operational Current | 10 A AC-1/DC-1 (NO) conforming to IEC 12 A at 28 V DC-1 conforming to UL 16 A at 277 V AC-1 conforming to UL 5 A AC-1/DC-1 (NC) conforming to IEC |
| Minimum Switching Current | 10 mA |
| Maximum Switching Voltage | 250 V AC conforming to IEC 250 V DC conforming to IEC |
| Minimum Switching Voltage | 17 V |
| Resistive Rated Load | 10 A at 250 V AC 10 A at 28 V DC |
| Maximum Switching Capacity | 2500 VA AC 280 W DC |
| Minimum Switching Capacity | 170 mW |
| Operating Rate | <= 18000 cycles/hour no-load <= 1200 cycles/hour under load |
| Mechanical Durability | 5000000 cycles |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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|----------------------------------|----------------------------------|
| Electrical Durability | 100000 cycles for resistive load |
| Average Coil Consumption In Va | 2...3 at 60 Hz |
| Drop-Out Voltage Threshold | >= 0.15 Uc AC |
| Operate Time | 20 ms |
| Average Coil Resistance | 72 Ohm at 20 °C +/- 15 % |
| Rated Operational Voltage Limits | 19.2...26.4 V AC |
| Protection Category | RT I |
| Safety Reliability Data | B10d = 100000 |
| Operating Position | Any position |
| Net Weight | 0.082 kg |

Environment

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|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dielectric Strength | 1500 V AC between contacts 1550 V AC between coil and contact 1550 V AC between poles |
| Product Certifications | UL CSA GOST |
| Standards | UL 508 EN/IEC 61810-1 CSA C22.2 No 14 |
| Ambient Air Temperature For Storage | -40...85 °C |
| Ambient Air Temperature For Operation | -40...55 °C |
| Vibration Resistance | 3 gn, amplitude = +/- 1 mm (f = 10...150 Hz)10 cycles in operation conforming to EN/IEC 60068-2-27 4 gn, amplitude = +/- 1 mm (f = 10...150 Hz)10 cycles not operating conforming to EN/IEC 60068-2-27 |
| Ip Degree Of Protection | IP40 conforming to EN/IEC 60529 |
| Shock Resistance | 10 gn for in operation 10 gn for not operating |
| Pollution Degree | 3 |

Contractual warranty

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| Warranty | 18 months |
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