

Product datasheet

Specifications



universal plug-in relay - Harmony RUM - 2 C/O - 48 V DC - 10 A - with LED

RUMC2AB2ED

! Discontinued

! Discontinued on: 31 Oct 2014

! End-of-service on: 31 Dec 2014

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 | 2 C/O |
| [Uc] control circuit voltage | 48 V DC |
| [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 | Cylindrical |
| [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 W | 1.4 W |
| Drop-out voltage threshold | >= 0.1 U _c DC |
| Operate time | 20 ms |
| Average coil resistance | 1800 Ohm at 20 °C +/- 10 % |
| Rated operational voltage limits | 38.4...52.8 V DC |
| Protection category | RT I |
| Safety reliability data | B10d = 100000 |
| Operating position | Any position |
| Net weight | 0.085 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 GOST CSA |
| Standards | EN/IEC 61810-1 UL 508 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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