



Main

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| Range of product | Harmony Electromechanical Relays |
| 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 | 230 V AC 50/60 Hz |
| [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 (1.2/50 µs) |
| Contacts material | AgNi |
| [Ie] rated operational current | 10 A at 277 V AC conforming to UL 10 A at 30 V DC conforming to UL 10 A at 30 V DC conforming to CSA 5 A at 250 V AC (NC) conforming to IEC 5 A at 28 V DC (NC) conforming to IEC 10 A at 250 V AC (NO) conforming to IEC 10 A at 28 V DC (NO) conforming to IEC 10 A at 277 V AC conforming to CSA |
| Maximum switching voltage | 250 V conforming to IEC |
| Load current | 10 A at 250 V AC 10 A at 28 V DC |
| Maximum switching capacity | 2500 VA/280 W |
| Minimum switching capacity | 170 mW at 10 mA, 17 V |
| Operating rate | <= 18000 cycles/hour no-load <= 1200 cycles/hour under load |
| Mechanical durability | 5000000 Cycles |
| Electrical durability | 100000 Cycles for resistive load |
| Average coil consumption in VA | 3 at 60 Hz |
| Drop-out voltage threshold | >= 0.15 U _c AC |
| Operating time | 20 ms at nominal voltage |
| Reset time | 20 Ms at nominal voltage |

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| Average resistance | 6800 Ohm at 20 °C +/- 15 % |
| Rated operational voltage limits | 184...253 V AC |
| Protection category | RT I |
| Test levels | Level A group mounting |
| Safety reliability data | B10d = 100000 |
| Operating position | Any position |
| Net weight | 0.086 Kg |
| Device presentation | Complete product |




Environment

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| Dielectric strength | 1500 V AC between contacts with micro disconnection 2500 V AC between coil and contact with reinforced 2000 V AC between poles with basic |
| Product certifications | UL EAC CSA |
| Standards | EN/IEC 61810-1 CSA C22.2 No 14 UL 508 |
| 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)5 cycles in operation 4 gn, amplitude = +/- 1 mm (f = 10...150 Hz)5 cycles not operating |
| IP degree of protection | IP40 |
| Shock resistance | 10 gn (duration = 11 ms) for in operation conforming to EN/IEC 60068-2-27 10 gn (duration = 11 ms) for not operating conforming to EN/IEC 60068-2-27 |
| Pollution degree | 3 |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 88.0 G |
| Package 1 Height | 3.6 Cm |
| Package 1 width | 3.5 Cm |
| Package 1 Length | 6.9 Cm |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 10 |
| Package 2 Weight | 957.0 G |
| Package 2 Height | 4 Cm |
| Package 2 width | 14.6 Cm |
| Package 2 Length | 20 Cm |
| Unit Type of Package 3 | S02 |
| Number of Units in Package 3 | 60 |
| Package 3 Weight | 6.374 Kg |
| Package 3 Height | 15 Cm |
| Package 3 width | 30 Cm |
| Package 3 Length | 40 Cm |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information |  Yes |

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|---------------------------|---|
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| 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 Diisodecyl 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 |

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| Product Life Status : | Commercialised |
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