# Product datasheet

Specifications


## universal plug-in relay - Harmony RUM - 3 C/O - 48 V DC - 10 A - with LED

RUMC3AB3ED

Discontinued on: 1 Nov 2020

Discontinued

## Main

| | |
|---|---|
| **Range of product** | Harmony Relay |
| **Series name** | Universal |
| **Product or component type** | Plug-in relay |
| **Device short name** | RUM |
| **[Uc] control circuit voltage** | 48 V DC |
| **Contacts type and composition** | 3 C/O |
| **status LED** | With |
| **Control type** | Without push-button |
| **[Ithe] conventional enclosed thermal current** | 10 A at -40…55 °C |

## Complementary

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|---|---|
| **[Uimp] rated impulse withstand voltage** | 4 kV |
| **minimum switching current** | 10 mA |
| **Minimum switching voltage** | 17 V |
| **Minimum switching capacity** | 170 mW |
| **Electrical durability** | 100000 cycles for resistive load |
| **Operating time** | 20 ms |
| **Rated operational voltage limits** | 38.4...52.8 V DC |
| **[Ui] rated insulation voltage** | 250 V conforming to IEC<br>300 V conforming to CSA<br>300 V conforming to UL |
| **Maximum switching voltage** | 250 V AC conforming to IEC<br>250 V DC conforming to IEC |
| **Drop-out voltage threshold** | >= 0.1 Uc DC |
| **[Ie] rated operational current** | 10 A AC-1/DC-1 (NO) conforming to IEC<br>12 A at 28 V DC-1 conforming to UL<br>16 A at 277 V AC-1 conforming to UL<br>5 A AC-1/DC-1 (NC) conforming to IEC |
| **Average resistance** | 1800 Ohm at 20 °C +/- 10 % |
| **Maximum switching capacity** | 2500 VA AC<br>280 W DC |
| **Mechanical durability** | 5000000 cycles |
| **Safety reliability data** | B10d = 100000 |

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|---|---|
| **Operating rate** | <= 18000 cycles/hour no-load<br><= 1200 cycles/hour under load |
| **Utilisation coefficient** | 20 % |
| **Compatibility code** | RUM |
| **Dielectric strength** | 1500 V AC between contacts<br>1550 V AC between coil and contact<br>1550 V AC between poles |
| **Protection category** | RT I |
| **Pollution degree** | 3 |
| **Operating position** | Any position |
| **Contacts material** | AgNi |
| **Shape of pin** | Cylindrical |
| **Net weight** | 0.088 kg |

## Environment

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|---|---|
| **Ambient air temperature for operation** | -40…55 °C |
| **IP degree of protection** | IP40 conforming to EN/IEC 60529 |
| **Standards** | UL 508<br>CSA C22.2 No 14<br>EN/IEC 61810-1 |
| **Product certifications** | CSA<br>GOST<br>UL |
| **Ambient air temperature for storage** | -40…85 °C |
| **Vibration resistance** | 3 gn, amplitude = +/- 1 mm (f = 10…150 Hz)10 cycles in operation conforming to EN/IEC 60068-2-27<br>4 gn, amplitude = +/- 1 mm (f = 10…150 Hz)10 cycles not operating conforming to EN/IEC 60068-2-27 |
| **Shock resistance** | 10 gn for in operation<br>10 gn for not operating |

## Contractual warranty

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|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Use Longer

#### Lifetime extension

| | |
|---|---|
| Repair | **No** |