

# Product data sheet

Specifications



## universal plug-in relay - Harmony RUM - 3 C/O - 24 V DC - 10 A - with LED

RUMC3AB2BD

! Discontinued

! Discontinued on: Oct 31, 2014

! End-of-service on: Dec 31, 2014

### Main

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| 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 DC                         |
| [Ithe] conventional enclosed thermal current | 10 A -40...131 °F (-40...55 °C) |
| Status LED                                   | With                            |
| Control Type                                 | Lockable test button            |
| Utilisation coefficient                      | 20 %                            |

### Complementary

|                                        |                                                                                                                                                            |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shape of pin                           | Cylindrical                                                                                                                                                |
| [Ui] rated insulation voltage          | 250 V IEC<br>300 V CSA<br>300 V 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<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 |
| Minimum switching current              | 10 mA                                                                                                                                                      |
| Maximum switching voltage              | 250 V AC IEC<br>250 V DC IEC                                                                                                                               |
| Minimum switching voltage              | 17 V                                                                                                                                                       |
| Resistive rated load                   | 10 A 250 V AC<br>10 A 28 V DC                                                                                                                              |
| Maximum switching capacity             | 2500 VA AC<br>280 W DC                                                                                                                                     |
| Minimum switching capacity             | 170 mW                                                                                                                                                     |
| Operating rate                         | <= 18000 cycles/hour no-load<br><= 1200 cycles/hour under load                                                                                             |
| Mechanical durability                  | 5000000 cycles                                                                                                                                             |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

|                                  |                         |
|----------------------------------|-------------------------|
| Electrical durability            | 100000 cycles resistive |
| Average coil consumption in W    | 1.4 W                   |
| Drop-out voltage threshold       | >= 0.1 Uc DC            |
| Operate time                     | 20 ms                   |
| Average coil resistance          | 470 Ohm 20 °C +/- 10 %  |
| Rated operational voltage limits | 19.2...26.4 V DC        |
| Protection category              | RT I                    |
| Safety reliability data          | B10d = 100000           |
| Operating position               | Any position            |
| Product Weight                   | 0.194 lb(US) (0.088 kg) |

## Environment

|                                       |                                                                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Dielectric strength                   | 1500 V AC between contacts<br>1550 V AC between coil and contact<br>1550 V AC between poles                                               |
| Product Certifications                | GOST<br>UL<br>CSA                                                                                                                         |
| Standards                             | UL 508<br>EN/IEC 61810-1<br>CSA C22.2 No 14                                                                                               |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C)                                                                                                                |
| Ambient air temperature for operation | -40...131 °F (-40...55 °C)                                                                                                                |
| Vibration resistance                  | 3 gn +/- 1 mm 10...150 Hz)10 cycles in operation EN/IEC 60068-2-27<br>4 gn +/- 1 mm 10...150 Hz)10 cycles not operating EN/IEC 60068-2-27 |
| IP degree of protection               | IP40 conforming to EN/IEC 60529                                                                                                           |
| Shock resistance                      | 10 gnin operation<br>10 gnnot operating                                                                                                   |
| Pollution degree                      | 3                                                                                                                                         |

## Ordering and shipping details

|                   |                             |
|-------------------|-----------------------------|
| Category          | 21127-ZELIO ICE CUBE RELAYS |
| Discount Schedule | CP2                         |
| GTIN              | 00785901562931              |
| Returnability     | No                          |
| Country of origin | CN                          |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|