

# Product data sheet

Specifications



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

RUMF3AB3BD

! 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                                 | Without push-button             |
| Utilisation Coefficient                      | 20 %                            |

### Complementary

|                                        |                                                                                                                                                            |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shape Of Pin                           | Flat                                                                                                                                                       |
| [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            |

## 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>CSA<br>UL                                                                                                                         |
| Standards                             | CSA C22.2 No 14<br>EN/IEC 61810-1<br>UL 508                                                                                               |
| 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              | 00785901634911              |
| Returnability     | No                          |
| Country Of Origin | CN                          |

## Contractual warranty

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