# Product data sheet
## Characteristics

# RSB1A160FDS
## interface plug-in relay - Harmony RSB - 1 C/O - 110 V DC - 16 A - with socket



### Main

| | |
|---|---|
| Range of Product | Harmony Relay |
| Series name | Interface relay |
| Product or Component Type | Plug-in relay |
| Device short name | RSB |
| Contacts type and composition | 1 C/O |
| Contact operation | Standard |
| [Uc] control circuit voltage | 110 V DC |
| [Ithe] conventional enclosed thermal current | 16 A -40…104 °F (-40…40 °C) |
| Status LED | Without |

### Complementary

| | |
|---|---|
| Shape of pin | Flat |
| Average coil resistance | 25200 Ohm DC 20 °C +/- 10 % |
| [Ue] rated operational voltage | 88...121 V DC |
| [Ui] rated insulation voltage | 400 V EN/IEC 60947 |
| [Uimp] rated impulse withstand voltage | 3.6 kV IEC 61000-4-5 |
| Contacts material | Silver alloy (Ag/Ni) |
| [Ie] rated operational current | 16 A AC-1/DC-1) NO IEC<br>8 A AC-1/DC-1) NC IEC |
| Minimum switching current | 5 mA |
| Maximum switching voltage | 300 V DC<br>400 V AC |
| Minimum switching voltage | 5 V |
| Maximum switching capacity | 4000 VA AC<br>448 W DC |
| Resistive rated load | 16 A 250 V AC<br>16 A 28 V DC |
| Minimum switching capacity | 300 mW 5 mA |
| Operating rate | <= 600 cycles/hour under load<br><= 72000 cycles/hour no-load |
| Mechanical durability | 30000000 cycles |
| Electrical durability | 100000 Cycles, 16 A at 250 V, AC-1 NO<br>100000 cycles, 8 A at 250 V, AC-1 NC |
| Operating time | 4 ms between coil de-energisation and making of the Off-delay contact<br>9 ms between coil energisation and making of the On-delay contact |
| Marking | CE |
| Average coil consumption | 0.45 W DC |
| Drop-out voltage threshold | >= 0.1 Uc DC |
| Safety reliability data | B10d = 100000 |
| Protection category | RT I |
| Operating position | Any position |
| Sale per indivisible quantity | 10 |
| Device presentation | Complete product |

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## Environment

| | |
|---|---|
| Dielectric strength | 1000 V AC between contacts<br>2500 V AC between poles<br>5000 V AC between coil and contact |
| Standards | CSA C22.2 No 14<br>EN/IEC 61810-1<br>UL 508 |
| Product Certifications | GOST[RETURN]UL[RETURN]CSA |
| Ambient Air Temperature for Storage | -40…185 °F (-40…85 °C) |
| Vibration resistance | +/- 1 mm 10…55 Hz)EN/IEC 60068-2-6 |
| IP degree of protection | IP40 conforming to EN/IEC 60529 |
| Shock resistance | 10 gn 11 ms) not operating EN/IEC 60068-2-27<br>5 gn 11 ms) in operation EN/IEC 60068-2-27 |
| Ambient air temperature for operation | -40…158 °F (-40…70 °C) AC)<br>-40…185 °F (-40…85 °C) DC) |

## Ordering and shipping details

| | |
|---|---|
| Category | 21127-ZELIO ICE CUBE RELAYS |
| Discount Schedule | CP2 |
| GTIN | 3389110252200 |
| Returnability | No |
| Country of origin | FR |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |

## Contractual warranty

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