

# Product data sheet

Specifications



## interface plug-in relay - Harmony RSB - 2 C/O - 6 V DC - 8 A - with socket

RSB2A080RDS

⚠ Discontinued on: Jan 29, 2021

⚠ Discontinued

### 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                | 2 C/O                          |
| Contact operation                            | Standard                       |
| [Uc] control circuit voltage                 | 6 V DC                         |
| Status LED                                   | Without                        |
| [Ithe] conventional enclosed thermal current | 8 A -40...104 °F (-40...40 °C) |

### Complementary

|  |  |
|--|--|
| Average resistance                     | 90 Ohm DC 20 °C +/- 10 %   |
| [Ue] rated operational voltage         | 4.8...6.6 V DC   |
| [Uimp] rated impulse withstand voltage | 3.6 kV IEC 61000-4-5   |
| [Ie] rated operational current         | 4 A AC-1/DC-1) NC IEC<br>8 A AC-1/DC-1) NO IEC   |
| [Ui] rated insulation voltage          | 400 V EN/IEC 60947   |
| Maximum switching voltage              | 300 V DC<br>400 V AC   |
| Drop-out voltage threshold             | $\geq 0.1 U_c$ DC  |
| Load current                           | 8 A 250 V AC<br>8 A 28 V DC  |
| minimum switching current              | 5 mA   |
| Maximum switching capacity             | 2000 VA AC<br>224 W DC   |
| minimum switching voltage              | 5 V  |
| Minimum switching capacity             | 300 mW 5 mA  |
| 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 |
| Mechanical durability                  | 30000000 cycles  |
| Electrical durability                  | 100000 cycles, 8 A at 250 V, AC-1 NO<br>100000 cycles, 4 A at 250 V, AC-1 NC   |
| Safety reliability data                | B10d = 100000  |

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

|                                      |   |
|--------------------------------------|---|
| <b>Operating rate</b>                | <= 600 cycles/hour under load<br><= 72000 cycles/hour no-load |
| <b>Average coil consumption</b>      | 0.45 W DC   |
| <b>Protection category</b>           | RT I  |
| <b>Operating position</b>            | Any position  |
| <b>Device presentation</b>           | Complete product  |
| <b>Sale per indivisible quantity</b> | 10  |
| <b>Contacts material</b>             | Silver alloy (Ag/Ni)  |
| <b>Shape of pin</b>                  | Flat  |
| <b>Compatibility code</b>            | RSB   |

## Environment

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

## Ordering and shipping details

|                          |                             |
|--------------------------|-----------------------------|
| <b>Category</b>          | 21127-ZELIO ICE CUBE RELAYS |
| <b>Discount Schedule</b> | CP2                         |
| <b>GTIN</b>              | 3389110251241               |
| <b>Returnability</b>     | No                          |
| <b>Country of origin</b> | FR                          |

## Packing Units

|                               |     |
|-------------------------------|-----|
| <b>Unit Type of Package 1</b> | PCE |
| <b>Nbr. of units in pkg.</b>  | 1   |

## Contractual warranty

|                             |    |
|-----------------------------|----|
| <b>Warranty (in months)</b> | 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

### Use Again



#### Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.