

# Product data sheet

Specifications



## interface plug-in relay - Harmony RSB - 2 C/O - 110 V DC - 8 A - with socket

RSB2A080FDS

 **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                 | 110 V DC           |
| [Ithe] Conventional Enclosed Thermal Current | 8 A at -40...40 °C |
| Status Led                                   | Without            |

### Complementary

|  |  |
|--|--|
| Shape Of Pin                           | Flat   |
| Average Coil Resistance                | 25200 Ohm network: DC at 20 °C +/- 10 %                                      |
| [Ue] Rated Operational Voltage         | 88...121 V DC  |
| [Ui] Rated Insulation Voltage          | 400 V conforming to EN/IEC 60947   |
| [Uimp] Rated Impulse Withstand Voltage | 3.6 kV conforming to IEC 61000-4-5   |
| Contacts Material                      | Silver alloy (Ag/Ni)   |
| [Ie] Rated Operational Current         | 4 A (AC-1/DC-1) NC conforming to IEC<br>8 A (AC-1/DC-1) NO conforming to IEC |
| Minimum Switching Current              | 5 mA   |
| Maximum Switching Voltage              | 300 V DC<br>400 V AC   |
| Minimum Switching Voltage              | 5 V  |
| Maximum Switching Capacity             | 2000 VA AC<br>224 W DC   |
| Resistive Rated Load                   | 8 A at 250 V AC<br>8 A at 28 V DC  |
| Minimum Switching Capacity             | 300 mW at 5 mA   |
| Operating Rate                         | <= 600 cycles/hour under load<br><= 72000 cycles/hour no-load                |
| 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 |

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

|                               |  |
|-------------------------------|--|
| 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 U <sub>c</sub> DC   |
| Safety Reliability Data       | B10d = 100000  |
| Protection Category           | RT I   |
| Operating Position            | Any position   |
| Sale Per Indivisible Quantity | 10   |
| Device Presentation           | Complete product   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Dielectric Strength                   | 1000 V AC between contacts<br>2500 V AC between poles<br>5000 V AC between coil and contact  |
| Standards                             | EN/IEC 61810-1<br>UL 508<br>CSA C22.2 No 14  |
| Product Certifications                | GOST<br>CSA<br>UL  |
| Ambient Air Temperature For Storage   | -40...85 °C  |
| Vibration Resistance                  | +/- 1 mm (f= 10...55 Hz) conforming to EN/IEC 60068-2-6  |
| Ip Degree Of Protection               | IP40 conforming to EN/IEC 60529  |
| Shock Resistance                      | 10 gn (duration = 11 ms) for not operating conforming to EN/IEC 60068-2-27<br>5 gn (duration = 11 ms) for in operation conforming to EN/IEC 60068-2-27 |
| Ambient Air Temperature For Operation | -40...70 °C (AC)<br>-40...85 °C (DC)   |

## Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type Of Package 1       | PCE |
| Number Of Units In Package 1 | 1   |

## Contractual warranty

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

# Sustainability

**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency

## Well-being performance

|                              |  |
|------------------------------|--|
| ✓ Toxic Heavy Metal Free     |  |
| ✓ Mercury Free               |  |
| ✓ Rohs Exemption Information | Yes  |
| Eu Rohs Directive            | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>  |
| China Rohs Regulation        | <a href="#">China RoHS declaration</a>   |
| Environmental Disclosure     | <a href="#">Product Environmental Profile</a>  |
| Weee                         | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins  |
| California Proposition 65    | WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |