

Product data sheet

Characteristics

RXG22BD

Interface plug in relay, Harmony
Electromechanical Relays, 5A, 2CO, with LED,
lockable test button, 24V DC

Main

| | |
|---|----------------------------------|
| Range of product | Harmony Electromechanical Relays |
| Series name | Interface relay |
| Product or component type | Plug-in relay |
| Device short name | RXG |
| Contacts type and composition | 2 C/O |
| [the] conventional enclosed thermal current | 5 A at -40...55 °C |
| Local signalling | Flag |

Complementary

| | |
|-------------------------------|---|
| [Ui] rated insulation voltage | 250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL |
| Maximum switching voltage | 250 V AC 30 V DC |
| Drop-out voltage threshold | $\geq 0.1 U_c$ DC |
| Load current | 5 A at 250 V AC |
| Minimum switching capacity | 50 mW at 10 mA, 5 V DC |
| Maximum switching capacity | 1250 VA |
| Contact resistance | 100 mOhm |
| Insulation resistance | 1000 MOhm at 500 V DC |
| Electrical insulation class | Class F |
| Mechanical durability | 10000000 cycles |
| Safety reliability data | B10d = 100000 |
| Operating rate | ≤ 1800 cycles/hour under load ≤ 18000 cycles/hour no-load |
| Utilisation coefficient | 20 % |
| Operating time | 20 ms |
| Reset time | 20 ms |
| Dielectric strength | 1000 V AC between contacts with micro disconnection 5000 V AC between coil and contact with reinforced insulation 3000 V AC between poles with basic insulation |
| Overvoltage category | III |
| Protection category | RT I |
| Pollution degree | 2 |
| Test levels | Level A group mounting |
| Device presentation | Complete product |
| Contacts material | Silver alloy (AgSnO ₂ In ₂ O ₃) |
| Net weight | 0.02 kg |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

| | |
|---------------------------------------|--|
| Standards | CSA C22.2 No 14 UL 508 IEC 61810-1 |
| Product certifications | CSA[RETURN]CE[RETURN]EAC[RETURN]UL[RETURN]DNV-GL |
| Ambient air temperature for storage | -40...85 °C |
| Ambient air temperature for operation | -40...70 °C |
| IP degree of protection | IP40 |
| Relative humidity | 10...85 % |
| Vibration resistance | 3 gn, amplitude = +/- 0.75 mm (f = 10...150 Hz)in operation 5 gn, amplitude = +/- 0.75 mm (f = 10...150 Hz)not in operation |

Packing Units

| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.3 cm |
| Package 1 Width | 3.1 cm |
| Package 1 Length | 4.4 cm |
| Package 1 Weight | 23 g |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 3.6 cm |
| Package 2 Width | 8.2 cm |
| Package 2 Length | 9.2 cm |
| Package 2 Weight | 227 g |
| Unit Type of Package 3 | S01 |
| Number of Units in Package 3 | 200 |
| Package 3 Height | 15 cm |
| Package 3 Width | 15 cm |
| Package 3 Length | 40 cm |
| Package 3 Weight | 4.442 kg |

Offer Sustainability

| | |
|---|---|
| Packaging without single use plastic | Yes |
| Packaging made with recycled cardboard | Yes |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Take-back | No |
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | 8 |