# Product data sheet
## Characteristics

# RXG11BD
interface plug in relay, Harmony Electromechanical Relays, 10A, 1CO, without LED, lockable test button, 24V DC




## Main

| | |
|---|---|
| Range of product | Harmony Electromechanical Relays |
| Series name | RXG series |
| Product or component type | Plug-in relay |
| Relay type | Interface relay |
| Contacts type and composition | 1 C/O |
| [Uc] control circuit voltage | 24 V DC |
| [Ithe] conventional enclosed thermal current | 10 A at -40…55 °C |
| Local signalling | Flag |

## Complementary

| | |
|---|---|
| Status LED | Without |
| Electrical durability | 100000 Cycles for NO resistive load at 55 °C<br>100000 Cycles for NC resistive load at 55 °C |
| [Ui] rated insulation voltage | 250 V conforming to IEC<br>300 V conforming to CSA<br>300 V conforming to UL |
| Presentation of legend | With |
| Maximum switching voltage | 250 V AC<br>30 V DC |
| Drop-out voltage threshold | >= 0.1 Uc DC |
| [Ie] rated operational current | 10 A at 30 V (DC) conforming to UL<br>10 A at 30 V (DC) conforming to IEC<br>10 A at 250 V (AC) conforming to UL<br>10 A at 250 V (AC) conforming to IEC |
| Load current | 10 A at 250 V AC |
| Minimum switching capacity | 500 mW at 100 mA, 5 V DC |
| Maximum switching capacity | 2500 VA |
| Control type | Lockable test button |
| Average resistance | 1100 Ohm at 23 °C +/- 10 % |
| 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<br><= 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<br>5000 V AC between coil and contact with reinforced insulation<br>1300 V AC terminals and case with basic insulation |
| [Uimp] rated impulse withstand voltage | 1200 V AC between contacts with micro disconnection<br>6000 V between coil and contact with reinforced insulation<br>1500 V between terminals and case 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 (AgSnO2In2O3) |
| Shape of pin | Flat (faston type) |
| Net weight | 0.02 Kg |

## Environment

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|---|---|
| Standards | CSA C22.2 No 14<br>IEC 61810-1<br>UL 508 |
| Product certifications | CSA[RETURN]CE[RETURN]EAC[RETURN]UL[RETURN]DNV |
| 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<br>5 gn, amplitude = +/- 0.75 mm (f = 10…150 Hz)not in operation |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.300 Cm |
| Package 1 Width | 1.400 Cm |
| Package 1 Length | 3.100 Cm |
| Package 1 Weight | 20.000 G |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 3.500 Cm |
| Package 2 Width | 8.200 Cm |
| Package 2 Length | 9.200 Cm |
| Package 2 Weight | 224.000 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 | 4.845 Kg |

## Offer Sustainability

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|---|---|
| Recyclability potential, in % | 70 |
| Total lifecycle Carbon footprint | 7 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.1841355813711413 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.2 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.06551564855924241 |
| Carbon footprint of the distribution phase [A4] | 0.1 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.0007132401944399417 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |

| | |
|---|---|
| Carbon footprint of the use phase [B2, B3, B4, B6] | 6.91146653978237 |
| REACh free of SVHC | Yes |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 7 kg CO2 eq. |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.06466599441775461 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.1 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 7 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| REACh Regulation | Free of Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Nickel compounds, which is k |
| End of life manual availability | End Of Life Information |
| Take-back | No |

## Contractual warranty

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|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised