

Product Datasheet

Characteristic

RXG13B7

interface plug in relay, Harmony
Electromechanical Relays, 10A, 1CO,
with LED, 24V AC



Main

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| 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 | 1 C/O |
| [Ithe] conventional enclosed thermal current | 10 A at -40...55 °C |
| local signalling | Flag |

Complementary

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| Status LED | With |
| [Ie] rated operational current | 10 A at 30 V (DC) conforming to UL 10 A at 30 V (DC) conforming to IEC 10 A at 250 V (AC) conforming to IEC 10 A at 250 V (AC) conforming to UL |
| Electrical durability | 100000 cycles for NO resistive load at 55 °C 100000 cycles for NC resistive load at 55 °C |
| Resistance | 260 Ohm +/- 10 % |
| Shock resistance | 20 gn in operation 100 gn not in operation |
| Mounting position | Any position |
| Average consumption | 0.82 VA 60 Hz |
| Control circuit voltage limits | 0.8...1.1 Uc AC |
| [Uc] control circuit voltage | 24 V AC 50/60 Hz |
| colour of cover | Standard |
| Drop-out voltage threshold | >= 0.3 Uc AC |
| Load current | 10 A at 250 V AC |
| Minimum switching capacity | 500 mW at 100 mA, 5 V DC |
| Maximum switching capacity | 2500 VA |
| Torque value | 0.8 N.m |
| Contact resistance | 100 mOhm |
| Insulation resistance | 1000 MOhm at 500 V DC |
| Electrical insulation class | Class F |
| Mechanical durability | 10000000 cycles |

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| Safety reliability data | B10d = 100000 |
| Operating time | 20 ms |
| Reset time | 20 ms |
| Maximum switching voltage | 250 V AC 30 V DC |
| Overvoltage category | III |
| Operating rate | <= 1800 cycles/hour under load <= 18000 cycles/hour no-load |
| Protection category | RT I |
| Pollution degree | 2 |
| Utilisation coefficient | 20 % |
| [Ui] rated insulation voltage | 250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL |
| Dielectric strength | 1000 V AC between contacts with micro disconnection 5000 V AC between coil and contact with reinforced insulation |
| Test levels | Level A group mounting |
| device presentation | Complete product |
| Contacts material | Silver alloy (AgSnO2In2O3) |
| net weight | 0.02 kg |

Environment

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| Standards | CSA C22.2 No 14 UL 508 IEC 61810-1 |
| Product certifications | EAC CSA UL CE 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

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.45 cm |
| Package 1 Width | 9.25 cm |
| Package 1 Length | 8.6 cm |
| Package 1 Weight | 221 g |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 3.5 cm |
| Package 2 Width | 8.3 cm |
| Package 2 Length | 9.1 cm |
| Package 2 Weight | 229 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 | 4.86 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | Free of Substances of Very High Concern above the threshold |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | X |
| RoHS exemption information | Yes |
| Environmental Disclosure | ENVPEP1406006EN |
| Circularity Profile | N/A |