

Product datasheet

Specifications



miniature plug-in relay - 2CO 10A, LED, 12VDC

RXM2NB3JD

⚠ Discontinued on: 01-Oct-2020

⚠ Discontinued

Main

| | |
|-------------------------------|------------------------------|
| Range of product | Harmony Relay |
| Series name | Miniature |
| Product or component type | Plug-in relay |
| Device short name | RXM |
| Contacts type and composition | 2 C/O |
| [Uc] control circuit voltage | 12 V DC |
| Status LED | With |
| Control type | Without lockable test button |
| Utilisation coefficient | 20 % |

Complementary

| | |
|--|---|
| Shape of pin | Flat |
| [Ui] rated insulation voltage | 250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL |
| [Uimp] rated impulse withstand voltage | 4 kV during 1.2/50 µs |
| Contacts material | AgNi |
| [Ie] rated operational current | 12 A at 28 V (DC) NO conforming to IEC 12 A at 250 V (AC) NO conforming to IEC 6 A at 28 V (DC) NC conforming to IEC 6 A at 250 V (AC) NC conforming to IEC 12 A at 28 V (DC) conforming to UL 12 A at 277 V (AC) conforming to UL |
| Maximum switching voltage | 250 V conforming to IEC |
| resistive rated load | 12 A at 250 V AC 12 A at 28 V DC |
| Maximum switching capacity | 3000 VA/336 W |
| Minimum switching capacity | 170 mW at 10 mA, 17 V |
| Operating rate | <= 1200 cycles/hour under load <= 18000 cycles/hour no-load |
| Mechanical durability | 10000000 cycles |
| Electrical durability | 100000 cycles for resistive load |
| average coil consumption | 0.9 W |
| Drop-out voltage threshold | >= 0.1 Uc |

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

| | |
|----------------------------------|---------------------------|
| operate time | 20 ms |
| release time | 20 ms |
| average coil resistance | 160 Ohm at 20 °C +/- 10 % |
| Rated operational voltage limits | 9.6...13.2 V DC |
| Safety reliability data | B10d = 100000 |
| Protection category | RT I |
| Test levels | Level A group mounting |
| Operating position | Any position |
| CAD overall height | 79 mm |
| CAD overall depth | 78.45 mm |
| Net weight | 0.037 kg |
| device presentation | Complete product |

Environment

| | |
|---------------------------------------|---|
| Dielectric strength | 1300 V AC between contacts with micro disconnection 2000 V AC between coil and contact 2000 V AC between poles |
| Product certifications | GOST CSA Lloyd's UL CE |
| Standards | UL 508 EN/IEC 61810-1 CSA C22.2 No 14 |
| Ambient air temperature for storage | -40...85 °C |
| Ambient air temperature for operation | -40...55 °C |
| Vibration resistance | 3 gn, amplitude = +/- 1 mm (f = 10...150 Hz)5 cycles in operation 5 gn, amplitude = +/- 1 mm (f = 10...150 Hz)5 cycles not operating |
| IP degree of protection | IP40 conforming to EN/IEC 60529 |
| Shock resistance | 10 gn for in operation 30 gn for not operating |
| Pollution degree | 3 |

Contractual warranty

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

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Well-being performance

| | | |
|---|----------------------------|---|
|  | Reach Free Of Svhc | |
|  | Toxic Heavy Metal Free | |
|  | Mercury Free | |
|  | Rohs Exemption Information | Yes |
| | | |
| Reach Regulation | | REACH Declaration |
| | | |
| Eu Rohs Directive | | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| | | |
| China Rohs Regulation | | China RoHS declaration |