



Main

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| Range of product | Zelio Relay |
| Product or component type | Plug-in relay |
| Device short name | RHN |
| Contacts type and composition | 4 C/O |
| Contacts operation | Instantaneous Standard |
| Control circuit voltage | 48 V AC, 50 Hz |
| [the] conventional enclosed thermal current | 5 A at $\leq 40\text{ }^{\circ}\text{C}$ |
| Status LED | Without |
| Control type | Manual control |
| Coil interference suppression | Without |

Complementary

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|--------------------------------|---|
| [Ui] rated insulation voltage | 250 V |
| Operating position | Any position |
| Minimum switching capacity | 150 mVA at 10 mA 150 mVA/1 V |
| Contact bounce time | $\leq 10\text{ ms}$ |
| Voltage drop | $\leq 100\text{ V}$ for 3 A at 24 V |
| Average resistance | 30 mOhm at $20\text{ }^{\circ}\text{C}$ |
| Switching time | 1...3 ms for energisation/de-energisation 0.5...6 ms for de-energisation/energisation |
| Average consumption in VA | 2.5 (holding) at $20\text{ }^{\circ}\text{C}$ 4.5 (inrush) at $20\text{ }^{\circ}\text{C}$ |
| Control circuit voltage limits | 0.8...1.1 U_c conforming to IEC 60255 |
| Drop-out voltage threshold | 0.15...0.5 U_c |
| Cos phi | 0.6 (inrush) 0.7 (holding) |
| Mechanical durability | 20000000 cycles |
| Operating rate | $\leq 6\text{ cyc/mn}$ |
| Operating time | 2...15 ms between energisation of coil and closing of NO contact at $20\text{ }^{\circ}\text{C}$ 1.2...12 ms between de-energisation of coil and closing of NC contact at $20\text{ }^{\circ}\text{C}$ |
| CAD overall width | 33 mm |
| CAD overall height | 43 mm |
| CAD overall depth | 54 mm |
| Terminals description ISO n°1 | (11-12-14)OC (21-22-24)OC (31-32-34)OC (41-42-44)OC (A1-A2)CO |
| Product weight | 0.09 kg |

Environment

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|---------------------------------------|--|
| Standards | BS 4794 IEC 60255 NF C 45-250 VDE 0435 |
| Product certifications | ASE BV CSA EDF UR USSR |
| Protective treatment | TC |
| Dielectric strength | 2500 V |
| Ambient air temperature for operation | -5...40 °C conforming to IEC 60255 |
| Ambient air temperature for storage | -40...70 °C |
| Vibration resistance | 6 gn (f = 10...55 Hz) conforming to IEC 60068-2-6 6 gn (f = 10...55 Hz) conforming to NF C 20-616 |
| Shock resistance | 50 gn for 11 ms conforming to NF C 20-608 |
| RoHS EUR status | Compliant |
| RoHS EUR conformity date | 0650 |