

Main

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| Range of product | Zelio Relay |
| Series name | Power relay |
| Relay type | Plug-in relay |
| Relay name | RPF |
| Shape of pin | Flat |
| Control circuit voltage | 24 V AC |
| Contacts type and composition | 2 NO |
| [I _{th}] conventional free air thermal current | 25 A ≤ 40 °C relays side by side without a gap 30 A ≤ 40 °C 13 mm gap between two relays |
| Contacts material | Silver tin oxide |
| Load current | 25 A 250 V AC relays side by side without a gap 25 A 28 V DC relays side by side without a gap 30 A 250 V AC 13 mm gap between two relays 30 A 28 V DC 13 mm gap between two relays |
| Utilisation coefficient | 10 % |

Complementary

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| Fixing mode | By metal compression spring |
| [U _i] rated insulation voltage | 250 V EN/IEC 60947 |
| [U _{imp}] rated impulse withstand voltage | 4 kV IEC 61000-4-5 |
| [I _e] rated operational current | 3 A AC-1 IEC NC 3 A DC-1 IEC NC 30 A AC-1 IEC NO 30 A DC-1 IEC NO 30 A AC-1 UL 30 A DC-1 UL |
| Minimum switching current | 10 mA |
| Maximum switching voltage | 250 V AC IEC 250 V DC IEC |
| Minimum switching voltage | 17 V |
| Maximum switching capacity | 6250 VA/700 W AC relays side by side without a gap 7500 VA/840 W AC 13 mm gap between two relays |
| Minimum switching capacity | 170 mW |
| Operating rate | ≤ 20 cyc/mn under load ≤ 300 cyc/mn no-load |
| Mechanical durability | 5000000 cycles |
| Electrical durability | 50000 cycles resistive NO |
| Average consumption in W | 1,7 W DC |
| Average consumption in VA | 4 AC |
| Drop-out voltage threshold | ≥ 0.15 U _c AC ≥ 0.1 U _c DC |
| Operating time | 20 ms between coil energisation and making of the On-delay contact AC 20 ms between coil energisation and making of the On-delay contact DC 20 ms between coil de-energisation and making of the Off-delay contact AC 20 ms between coil de-energisation and making of the Off-delay contact DC |
| Average resistance | 250 Ohm AC 20 °C +/- 15 % |
| Rated operational voltage limits | 19.2...26.4 V AC |
| Protection category | RT IV |

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| Operating position | Any position |
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Environment

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| Dielectric strength | 1500 V AC between contacts 1550 V AC between coil and contact 1550 V AC between poles |
| Standards | CSA C22-2 No 14 EN 61810-1 (iss. 2) IEC 61810-1 (iss. 2) UL 508 |
| Product certifications | CSA UL |
| Ambient air temperature for storage | -40...85 °C |
| Ambient air temperature for operation | -40...55 °C |
| Vibration resistance | 3 gn +/- 1 mm 10...150 Hz opening EN/IEC 60068-2-27 10 gn +/- 1 mm 10...150 Hz closing EN/IEC 60068-2-27 |
| IP degree of protection | IP40 EN/IEC 60529 |
| Shock resistance | 10 gn closing EN/IEC 60068-2-27 10 gn opening EN/IEC 60068-2-27 |
| RoHS EUR conformity date | 0801 |
| RoHS EUR status | Compliant |