

INSTANTANEOUS RELAYS WITH COIL OVERVOLTAGE PROTECTION (II)

| Model | RD-2SYDI RD-2SYV ⁽⁴⁾ | RF-4SYDI RF-4SYV ⁽⁴⁾ | RJ-8SYDI RJ-8SYV ⁽⁴⁾ |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------|
| Applications | Frequent Vibration and Shock applications, as railway sector, or because of safety requirements as nuclear power plants. Intended to protect the contact of the equipment that feeds the coil in our relay. | | |
| Construction characteristics | | | |
| Contacts no. | 2 Changeover | 4 Changeover | 8 Changeover |
| Connections | | | |
| Options | With OP options | With OP options / Push-to-test button included | |
| Weight (g) | 125 | 250 | 500 |
| Dimensions (mm) | 22,5 x 50,4 x 72 | 42,5 x 50,4 x 72 (F short Type) | 82,5 x 50,4 x 72 (J short Type) |
| Coil characteristics | | | |
| Standard voltages ⁽¹⁾ | 24, 48, 72, 110, 125, 220 Vdc 24, 48, 63,5, 110, 127, 230, 400 ⁽⁴⁾ Vac (50-60 Hz) | | |
| Voltage range | +25% -30% U _N | | |
| Pick-up voltage | See pick-up/release voltage-temperature curves | | |
| Release voltage | See pick-up/release voltage-temperature curves | | |
| Consumptions in permanence (U _N) | 2,6 W; 3,3 VA | 3,9 W; 6,6 VA | 6 W; 11 VA |
| Operating time | | | |
| Pick-up time | < 20 ms | | |
| Drop-out time | V Series: <25ms DI Series: <50 ms | | |
| Contacts | | | |
| Contact material | AgNi | | |
| Contacts resistance ⁽²⁾ | ≤30 mΩ / ≤15 mΩ (FF Range) | | |
| Distance between contacts | 1,2 mm | | |
| Permanent current | 10 A | | |
| Instantaneous current | 30 A during 1 s / 80 A during 200 ms / 200 A during 10 ms | | |
| Max. making capacity | 40 A / 0,5 s / 110 Vdc | | |
| Breaking capacity | See breaking capacity curves (Contact configuration type A) | | |
| Max. breaking capacity | See value for 50,000 operations | | |
| Max. switching voltage | 250 Vdc / 400 Vac | | |
| Performance data | | | |
| Mechanical endurance | 10 ⁷ operations | | |
| Operating temperature | -40°C +70°C | | |
| Storage temperature | -40°C +70°C | | |
| Max. operating humidity | 93% / +40°C | | |
| Operating altitude ⁽³⁾ | <2000 m | | |

⁽¹⁾ Other voltage upon request

⁽³⁾ Ask for higher altitudes

⁽²⁾ Guarantee data for relays just manufactured

⁽⁴⁾ Voltage not recognized by UL