

INSTANTANEOUS RELAYS WITH COIL OVERVOLTAGE PROTECTION

Model	RD-2DI / RD-2V	RF-4DI / RF-4V	RJ-8DI / RJ-8V	RI-16DI
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Applications

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	16 Changeover
Connections				
Options	With OP options	With OP options - Push-to-test button included		Options are not available
Weight (g)	125	250	500	1250
Dimensions (mm)	22,5 x 50,4 x 72 (D short Type)	42,5 x 50,4 x 72 (F short Type)	82,5 x 50,4 x 72 (J short Type)	120 x 110 x 105
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)		24, 48, 72, 110, 125, 220 Vcc/Vca; 50/60 Hz
Voltage range	+10% -20% U _N			
Pick-up voltage				
Release voltage	See pick-up/release voltage-temperature curves			
Average consumptions in permanence (U _N)	2,6 W	3,9 W	6 W	10 W 12 VA
Operating time				
Pick-up time	< 20 ms			< 25 ms
Drop-out time	V Series: <25ms DI Series: <50 ms			< 10 ms Vcc / < 45 ms DI Vdc / < 80 ms Vca
Contacts				
Contact material	AgNi			
Contacts resistance ⁽²⁾	≤30 mΩ / ≤15 mΩ (FF Range)			
Distance between contacts	1,8 mm			
Permanent current	10 A			
Instantaneous current	30 A during 1 s / 80 A during 200 ms / 200 A during 10 ms			80 A during 200 ms / 150 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			
U _{max} opened contact	250 Vdc / 400 Vac			
General data				
Mechanical endurance	10 ⁷ operations			
Operating temperature	-65°C +70°C			-10°C +55°C
Storage temperature	-65°C +85°C			
Max. operating humidity	93% / +40°C			
Operating altitude ⁽³⁾	<2000 m			