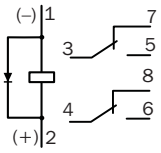
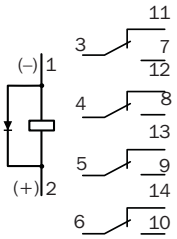
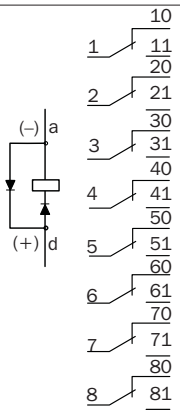
INSTANTANEOUS RELAYS WITH COIL OVERVOLTAGE PROTECTION (II)

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			
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		
Perfomance data			
Mechanical endurance	10^7 operations		
Operating temperature	-40ºC +70ºC		
Storage temperature	-40ºC +70ºC		
Max. operating humidity	93% / +40ºC		
Operating altitude(3)	<2000 m		

(1) Other voltage upon request
(2) Guarantee data for relays just manufactured
(3) Ask for higher altitudes
(4) Voltage not recognized by UL