

GENERAL PURPOSE INSTANTANEOUS RELAYS

Model	RD-2	RF-4	RJ-8
Applications	Operate directly to the tripping and control circuit.		
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 Vac (50-60 Hz) ⁽⁴⁾		
Voltage range	+10% -20% 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	Vdc: <10 ms • Vac: <50ms With LED: <50ms	Vdc: <15 ms • Vac: <50 ms With LED: <50 ms	
Contacts			
Contact material	AgNi		
Contacts resistance ⁽²⁾	≤30 mΩ / ≤15 mΩ (Range FF)		
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		
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

⁽²⁾ Guarantee data for relays just manufactured

⁽³⁾ Ask for higher altitudes

⁽⁴⁾ Voltage not recognized by UL