

TRIP AND LOCKOUT RELAYS (I)

Model	BF-3R	BF-4R	BJ-8R
Applications	Intended for trip and lockout applications where high demanding requirements in operating time and breaking capacity are needed.		
Construction characteristics			
Contacts no.	3 Changeover	4 Changeover	8 Changeover
Connections			
Options	Options are not available		
Weight (g)	300		600
Dimensions (mm)	45 x 45 x 96,5 (F short Type)		90 x 50 x 100,5 (J short Type)
Coil characteristics			
Standard voltages ⁽¹⁾	24, 48, 72, 110, 125, 220 Vdc / 63,5, 110, 127, 230 Vac (50-60 Hz)		
Voltage range	+10% -20% U _N		
Pick-up voltage	See pick-up voltage / temperature curves for Latching relays		
Consumptions only in the change-over	27 W	23 W	35,5 W
Operating time			
Pick-up time	<10 ms (Vdc) <20 ms (Vac)		<10 ms (Vdc) <20 ms (Vac)
Contacts			
Contact material	AgNi		
Distance between contacts	1,8 mm		
Permanent current	10 A		
Instantaneous current	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 (1 contact configuration)		
Max. breaking capacity	See value for 50.000 operations		
U _{max} opened contact	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 ⁽²⁾	<2000 m		

⁽¹⁾ Other voltage upon request
⁽²⁾ Ask for higher altitudes