

TRIP AND LOCKOUT RELAYS (I)

Model	BF-3R	BF-4R	BJ-8R	BI-16R
Applications	Intended for trip and lockout applications where high demanding requirements in operating time and breaking capacity are needed.			
High burden configuration	not available	See page 15 for technical details	See page 15 for technical details	See page 15 for technical details
Construction characteristics				
Contacts no.	3 Changeover	4 Changeover	8 Changeover	16 Changeover
Connections				
Options	Options are not available			
Weight (g)	300		600	1250
Dimensions (mm)	(A) 45 x (B) 45 x (C) 96,5 (F large Type)		(A) 90 x (B) 50 x (C) 100,5 (J large Type)	(A) 120 x (B) 110 x (C) 105
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			
Average consumptions only in the change-over	17 W	17 W	45 W	90 W
Operating time				
Pick-up time	<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 (Contact configuration type A)			
Max. breaking capacity	See value for 50.000 operations			
U _{max} opened contact	250 Vdc / 400 Vac			
Performance data				
Mechanical endurance	10 ⁷ operations		10 ⁶ operations	
Operating temperature	-40°C +70°C			
Storage temperature	-40°C +85°C			
Max. operating humidity	93% / +40°C			
Operating altitude ⁽²⁾	<2000 m			

⁽¹⁾ Other voltage upon request

⁽²⁾ Ask for higher altitudes

TRIP AND LOCKOUT RELAYS (II)

Model	BF-4RP	BJ-8RP	BI-16RP
Applications	Intended for tripping and locking applications where high quality requirements in operating time and breaking capacity are needed, with manual reset.		
High burden configuration	See page 15 for technical details		
Construction characteristics			
Contacts no.	4 Changeover	8 Changeover	16 Changeover
Connections			
Options	Options are not available		
Weight (g)	300	600	1400
Dimensions (mm)	(A) 45 x (B) 45 x (C) 96,5 (F large Type)	(A) 90 x (B) 50 x (C) 100,5 (J large Type)	(A) 120 x (B) 110 x (C) 105
Coil characteristics			
Standard voltages ⁽¹⁾	24, 48, 72, 110, 125, 220 Vdc 63,5, 110, 127, 230 Vac (50-60 Hz)		48, 110, 125, 220 Vcc
Voltage range	+10% -20% U _N		
Pick-up voltage (20°C)	See pick-up voltage / temperature curves for Latching relays		
Average consumptions only in the change-over	17 W	45 W	90W
Operating time			
Pick-up time	<10 ms (Vdc) <13 ms (Vac)	<10 ms (Vdc) <20 ms (Vac)	<10 ms
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 (Contact configuration type A)		
Max. breaking capacity	See value for 50,000 operations		
U _{max} opened contact	250 Vdc / 400 Vac		
Performance data			
Mechanical endurance	10 ⁷ operations		10 ⁶ operations
Operating temperature	-40°C +70°C		
Storage temperature	-40°C +85°C		
Max. operating humidity	93% / +40°C		
Operating altitude ⁽²⁾	<2000 m		

⁽¹⁾ Other voltage upon request

⁽²⁾ Ask for higher altitudes