

TRIP AND LOCKOUT RELAYS (86)

Model	BF-4RP	BJ-8RP	BJ-10RP	BI-16RP
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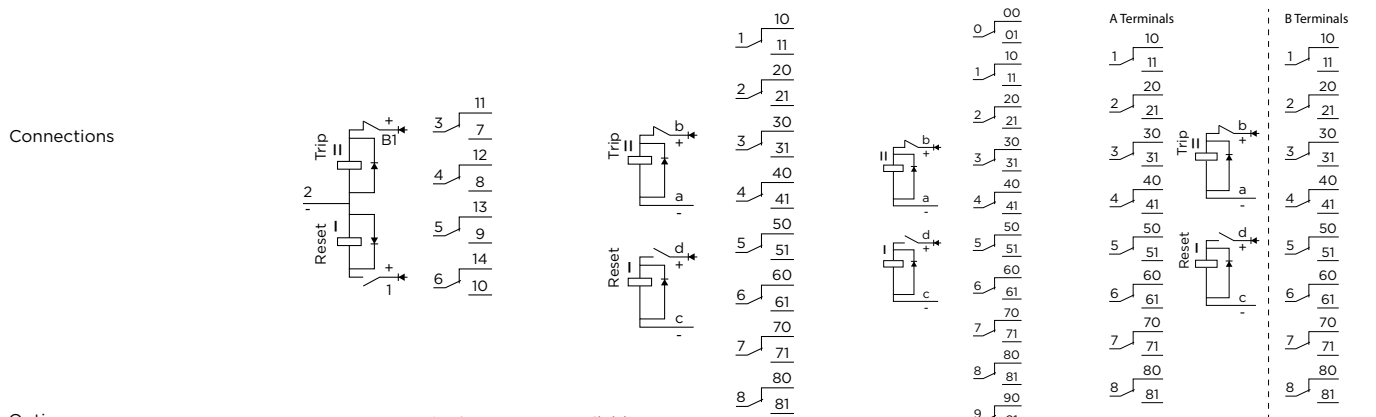


Applications Intended for tripping and locking applications where high quality requirements in operating time and breaking capacity are needed, with manual reset.

Standard IEC 61810-7/60255-27 ; IEC 60255-21-1,2 ; EN 61000-4-2,3,4,5,6,8,18 ; EN60068-2-1,2,14,30,78 ; IEEE 344

Construction characteristics

Contacts no.	4 Changeover	8 Changeover	10 Changeover	16 Changeover
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Options Options are not available

Weight (g)	300	600	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) 109 x (B) 50 x (C) 111	(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 ⁽³⁾
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Voltage range	+10% -20% U _N
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Pick-up voltage (20°C) See pick-up voltage / temperature curves for Latching relays

Average consumptions only in the change-over	17 W	30 W	30 W	90W
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Operating time

Pick-up time	<10 ms (Vdc) <13 ms (Vac)	<10 ms (Vdc) <20 ms (Vac)	<10 ms (Vdc) <20 ms (Vac)	<10 ms
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Contacts (SPDT)

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	
Dielectric test	2000 V / 1 min	
Surge Withstand	5KV, 0,5J, 1.2/50 us	

⁽¹⁾ Other voltage upon request
⁽²⁾ Ask for higher altitudes
⁽³⁾ Vac voltage upon request



DROW-OUT SOCKETS DIMENSIONS AND CUT-OUT

Sockets		Accessories		
Relay	Type	Screw	Double faston	Weight (g)
F	IP10 Front connection	FN-DE IP10	FN-DE2C IP10	110
	IP20 Front connection	FN-DE IP20	FN-DE2C IP20	110
	IP10 Rear connection	FN-TR OP	FN-TR2C OP	90
	IP10 Flush mounting (short)	F-EMP CORTA OP		300
	IP10 Flush mounting	F-EMP OP		300

Accessories
Retaining clips
Function signs on the extraction ring
Security pins

