

## GENERAL PURPOSE LATCHING RELAYS

Model	BF-3	BF-4	BJ-8	
			2 m P 11 m 12 m 12 m 12 m 12 m 12 m 12 m	
Applications		Relays with two stable positions. Required when the position memory (open-close, automatic-manual, local-remote) is needed.		

	(open-close	, automatic-manual, local-remote	.) is needed.
Construction characteristics	7.01	4.6	0.01
Connections	Set 13 5 13 4 12 7 11 1 3	4 Changeover    10 6   14   5   5   13   8   4   12   7   11   11   12   11   12   11   12   11   12   11   12   11   12   11   12   11   12   11   12   11   12   11   12   11   12   11   13   11   12   13   11   13   14   12   13   14   12   13   14   13   14   15   15   15   15   15   15   15	8 Changeover  11 10 21 20 31 30 41 40 40 51 Reset 60 71 70 81 80
Options		Options are not available	economy end.
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 <sup>(1)</sup>	24, 48, 72, 110, 125, 220 Vdc / 63,5, 110, 127, 230 Vac (50-60 Hz)		
Voltage range	+25% -30% U <sub>N</sub>		
Pick-up voltage	See pick-up voltage / temperature curves for Latching relays		
Consumptions only in the change-over	≤6 W		≤12 W
Operating time			
Pick-up time	<20 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 (1 contact configuration)		
Max. breaking capacity	See value for 50.000 operations		
U <sub>max</sub> opened contact	250 Vdc / 400 Vac		
Performance data			
Mechanical endurance	10 <sup>7</sup> operations		
Operating temperature	-40°C +70°C		
Storage temperature	-40°C +70°C		
Max. operating humidity	93% / +40°C		
Operating altitude <sup>(2)</sup>	<2000 m		

<sup>(1)</sup> Other voltage upon request (2) Ask for higher altitudes

