



## Main Feature

1. Small size(18.3x10.2x15.3 in mm) produces a Switching capacity up to 8A for high density P.C.Board mounting technique.
2. The Contact form construction is 1c (SPDT NC).
3. The Surge Resistance of BJ Series is 10,000V.
4. Sealing Construction (Free from dust and solder flux):  
BJ-SS: Flow solder type.  
BJ-SH: Plastic sealed type.
5. The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.

## Application

Domestic Appliances. Office Machines. Audio Equipment. Car Use.....etc

## Contact Rating

- Nominal Load(Resistive Load Cos  $\phi = 1$ )  
Contact Capacity  
BJ-D(L).....NO:5A at 250VAC  
5A at 30 VDC  
NC:3A at 250VAC  
3A at 30 VDC  
BJ-DF.....NO:8A at 250VAC  
8A at 30VDC  
NC:5A at 250VAC  
.5A at 30VDC  
  
Max. Allowable Current  
BJ-D(L).....NO:5A  
NC:3A  
BJ-DF.....NO:8A  
NC:5A
- Max Allowable Voltage.....AC250V. DC30V
- Max Allowable Power Force  
BJ-D(L).....NO:1250VA 150W  
NC:750VA 90W  
BJ-DF.....NO:20 00VA 240W  
NC:1250VA 150W
- Contact Material.....Ag Alloy
- Contact Form..... SPDT NC

## Performance (at Initial Value)

- Contact Resistance
- Operate Time.....BJ-D(DF) 6 mSec. Max.  
BJ-L 8 mSec. Max  
Release Time..... 3 mSec. Max
- Dielectric Strength:  
Between Coil & Contact:.....4000VAC at 50/60  
Hz for one minute

- Between Contacts.....1000VAC at 50/60  
Hz for one minute
- Surge Resistance.....10,000V (between  
Coil & contact  
1.2x50 $\mu$ Sec)
- Insulation Resistance.....100Mega  $\Omega$  Min. at  
500VDC
- Max. On/Off Switching:  
Electrical.....30 Ops per minute  
Mectrical.....300 Ops per minute
- Temperature Range..... - 30~70 $^{\circ}$ C
- Humidity Range.....45~85%RH
- Coil Temperature Rise.....35 $^{\circ}$ C Maximum
- Vibration:  
Endurance.....10 to 55 Hz dual  
amplitud width  
1.5mm  
Error Operation.....10 to 55 Hz dual  
amplitud width  
1.5mm
- Shock:  
Endurance..... 981m/s<sup>2</sup> Min  
Error Operation.....98.1m/s<sup>2</sup> Min
- Life Expectancy:  
Mechanical.....10<sup>7</sup> Operations at  
No load condition  
Electrical.....10<sup>5</sup>Operations at  
Rated Resistive  
load
- Weight.....about 7 g

## Safety Standard & Its File Number

- UL.....E303971/5
- CQC.....CQC06001017601/3

## Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ( $\Omega \pm 8\%$ )	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
BJ-D BJ-DF	3	150	20	Abt. 0.45	73% Maximum	10% Minimum	130%
	5	91	55				
	6	75	80				
	9	50	180				
	12	37.5	320				
	24	18.8	1,280				
BJ-L	3	67	45	Abt. 0.2	78% Maximum	10% Minimum	130%
	5	40	125				
	6	33.3	180				
	9	22.5	400				
	12	16.7	720				
	24	8.3	2,800				

## Ordering Information

BJ	-	SS	-	1	12	D	M	F		
									<b>Insulation Class:</b>	<b>F:</b> Class F , <b>Nil:</b> Class B
									<b>Contact Form:</b>	<b>Nil:</b> One form C <b>M:</b> One form A <b>B:</b> One form B
									<b>Coil Type:</b>	<b>D:</b> Standard DC Coil <b>L:</b> High Sensitivity DC Coil
									<b>Coil Voltage:</b>	<b>03:</b> 3V, <b>05:</b> 5V, <b>06:</b> 6V, <b>09:</b> 9V, <b>12:</b> 12V, <b>24:</b> 24V
									<b>Number of Pole:</b>	<b>1:</b> One Pole
									<b>Type of Sealing:</b>	<b>SS:</b> How Solder Type <b>SH:</b> Plastic Sealed Type
									<b>Type:</b>	<b>BJ</b>

## Classification

Model	BJc		
Coil Sensitivity	Standard DC Coil		High Sensitivity DC Coil
Flow Solder Type	BJ -SS-1□□D	BJ -SS-1□□DF	BJ -SS-1□□L
Plastic Sealed Type	BJ -SH-1□□D	BJ -SH-1□□DF	BJ -SH-1□□L

## Dimension

