



Patent: ZL 2010 2 0563204.3



Contact Rating

- Nominal Load(Resistive Load Cos φ =1)
Contact Capacity

BJ-DM/LM.....	10A at 125VAC
	5A at 250 VAC
	5A at 30 VDC
BJ-DMF/LMF.....	10A at 250VAC
	10A at 30 VDC

- Max. Allowable Current
BJ-DM/LM/DMF/LMF.....10A
- Max Allowable Voltage.....AC250V. DC30V
- Max Allowable Power Force

BJ-DM/LM.....	1250VA	150W
BJ-DMF/LMF.....	2500VA	300W

- Contact Material.....Ag Alloy
- Contact Form.....SPST NO

Performance (at Initial Value)

- Contact Resistance..... $\leq 50m\Omega$ at 6VDC/1A
- Operate Time.....BJ-DM(DMF) 5 ms. Max.
BJ-LM (LMF) 6 ms. Max
- Release Time.....3 ms. 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

Main Feature

1. Small size(18.2x10.2x15. in mm) produces a Switching capacity up to 10A for high density P.C.Board mounting technique.
2. The Contact form construction is 1a (SPST NO).
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

- Insulation Resistance.....100 Mega Ω Min.
at 500VDC
- Max. On/Off Switching:

Electrical.....	30 Ops per minute
Mectrical.....	300 Ops per minute

- Temperature Range..... - 30~70°C
- Humidity Range.....45~85%RH
- Coil Temperature Rise.....35°C Maximum
- Vibration:

Endurance.....	10 to 55 Hz dual
	amplitude width
	1.5mm
Error Operation.....	10 to 55 Hz dual
	amplitude width
	1.5mm

- Shock:

Endurance.....	98.1m/s ² Min
Error Operation.....	98.1m/s ² Min

- Life Expectancy:

Mechanical.....	10 ⁷ Operations at
	No load condition
Electrical.....	10 ⁵ Operations at
	Rated Resistive
	load

- Weight.....about 7 g

Safety Standard & Its File Number

- UL.....E333244
- TUV.....R50183595
- CQC.....CQC10002054547

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-DM BJ-DMF	3	150	20	Abt. 0.45	70% Maximum	10% Minimum	130%
	5	91	55				
	6	75	80				
	9	50	180				
	12	37.5	320				
	24	18.8	1,280				
BJ-LM BJ-LMF	3	67	45	Abt. 0.2	75% 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			
										Insulation Class:	F: Class F , Nil: Class B
										Contact Form:	Nil: One form C M: One form A B: One form B
										Coil Type:	D: Standard DC Coil L: High Sensitivity DC Coil
										Coil Voltage:	03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V
										Number of Pole:	1: One Pole
										Type of Sealing:	SS: Plastic Sealed Type
										Type:	BJ

Classification

Model	BJa			
Coil Sensitivity	Standard DC Coil		High Sensitivity DC Coil	
Plastic Sealed Type	BJ-SS-1□□DM	BJ-SS-1□□DMF	BJ-SS-1□□LM	BJ-SS-1□□LMF

Dimension

