



### Contact Rating

- Nominal Load (Resistive Load  $\cos \phi = 1$ )  
Contact Capacity  
BJH-D/L.....NO:5A at 250VAC  
10A at 125VAC  
1/6HP 277VAC  
NC:3A 250VAC  
BJH-DM/LM..... 5A at 250VAC
- Max. Allowable Current  
BJH-D/L.....10A  
BJH-DM/LM.....10A
- Max. Allowable Voltage  
BJH-D/DM/L/LM.....AC250V
- Max. Allowable Power Force  
BJH-D/DM/L/LM.....1250VA
- Contact Material..... Ag Alloy
- Contact Form.....SPST&SPDT

### Performance (at Initial Value)

- Contact Resistance..... $\leq 50m\Omega$  at 6VDC/1A
- Operate Time.....8ms. Max
- Release Time..... 5ms. Max
- Dielectric Strength:  
Between Coil & Contact.....4,000VAC at 50/60 Hz  
for one minute  
Between Contacts.....1,000VAC at 50/60 Hz  
for one minute
- Surge Resistance.....10,000V (between Coil  
& Contact 1.2x50  $\mu$ s)
- Insulation Resistance.....1,000 Mega  $\Omega$  Min. at  
500VDC

## ISO9001、ISO14001 Certification Enterprises

### Main Feature

1. Small size (20x10.1x15.2in mm) produces a switching capacity up to 10A for high density P.C.Board mounting technique.
2. The contact form construction is 1A/1B/1C.
3. The Surge Resistance of BJH series is 10,000V
4. Sealing Construction (Free from dust and solder flux):  
BJH-SS: Plastic Sealed Type.
5. The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.
6. RoHS Compliant.

### Application

Air Conditioning, Fridge, Washing Machine, etc Household Appliances

- Max. On/Off Switching:  
Electrical.....30 Ops per minute  
Mechanical.....300 Ops per minute
- Temperature Range..... - 40~85°C
- Humidity Range..... 5%~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..... 981m/s<sup>2</sup> Min  
Error Operation..... 98.1m/s<sup>2</sup> Min
- Life Expectancy:  
Electrical.....10<sup>5</sup> Operations at  
Rated Resistive  
load  
Mechanical.....10<sup>7</sup> Operations at  
No load condition
- Weight.....about 7g

### Safety Standard & Its File Number

- UL.....E356168
- CQC.....CQC11002063401
- TUV.....R50245489

### 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)
BJH-L BJH-LM	3	66.7	45	Abt. 0.2	75% Maximum	10% Minimum	130%
	5	40	125				
	6	33.3	180				
	9	22.2	405				
	12	16.7	720				
BJH-D BJH-DM	24	8.3	2880	Abt. 0.4	75% Maximum	10% Minimum	130%
	3	150	20				
	5	89.2	56				
	6	75	80				
	9	50	180				
	12	37.5	320				
	24	18.8	1280				

### Ordering Information

**BJH - SS - 1 12 D M**

**Contact Form:** Nil:One form C

**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, 48:48V

**Number of Pole:** 1:One Pole

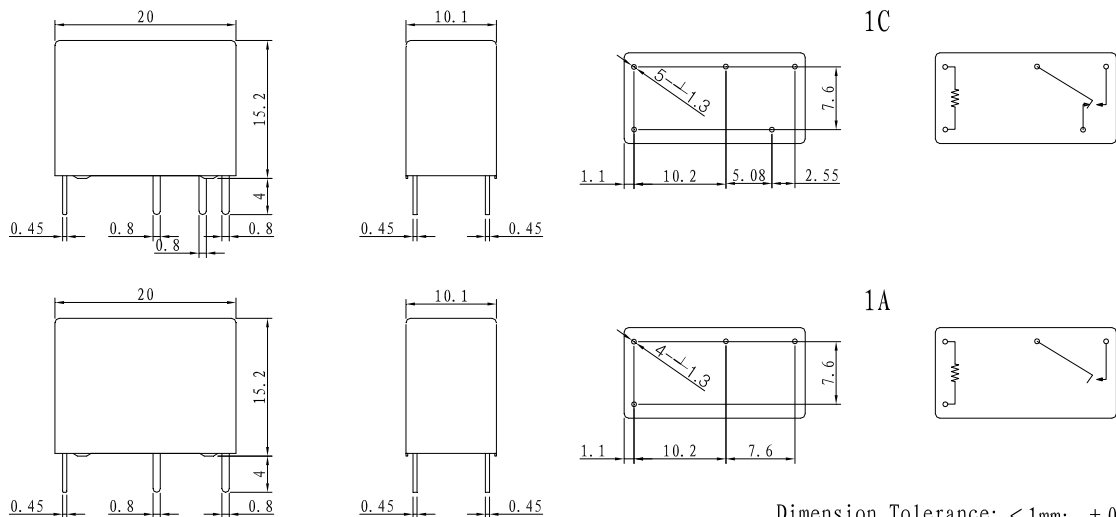
**Type of Sealing:** SS:Plastic Sealed Type

**Type:** BJH

### Classification

Model	BJH					
	Standard DC Coil			High Sensitivity DC Coil		
Coil Sensitivity	1A	1B	1C	1A	1B	1C
Flow Solder Type	BJH-SS-1□□DM	BJ-SS-1□□DB	BJ-SS-1□□D	BJH-SS-1□□LM	BJ-SS-1□□LB	BJ-SS-1□□L

### Dimension



Dimension Tolerance: <1mm:  $\pm 0.2$ mm  
1—5mm:  $\pm 0.3$ mm  
>5mm:  $\pm 0.5$ mm