



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.

Contact Rating

- Nominal Load(Resistive Load Cos ϕ =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
10A at 125VAC
1/6HP 277VAC
- 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 μ s)
- Insulation Resistance.....1,000 Mega Ω Min. at
500VDC

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/s² Min
Error Operation..... 98.1m/s² Min
- Life Expectancy:
Electrical.....10⁵ Operations at
Rated Resistive
load
Mechanical.....10⁷ 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				
	24	8.3	2880				
BJH-D BJH-DM	3	150	22.5	Abt. 0.4	75% Maximum	10% Minimum	130%
	5	89.2	62.5				
	6	75	90				
	9	50	202.5				
	12	37.5	360				
	24	18.8	1440				

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

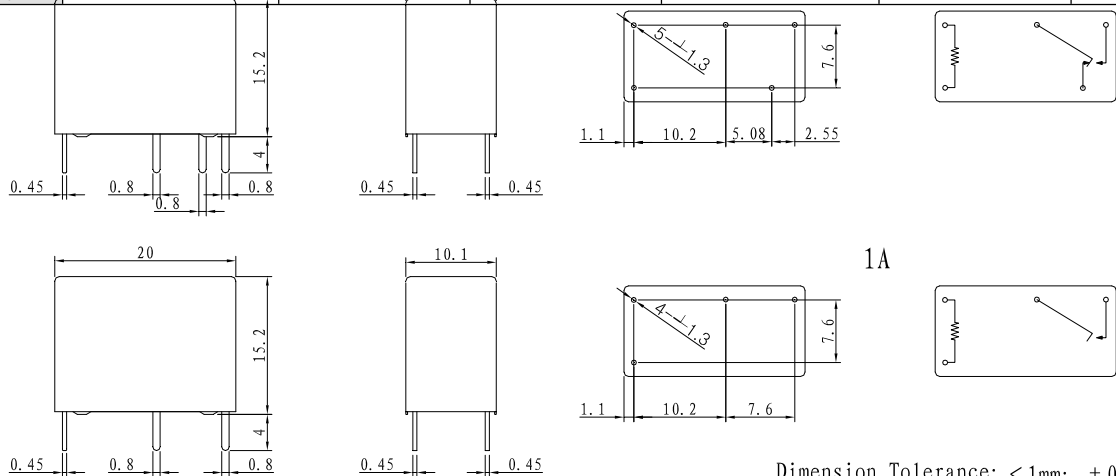
Type of Sealing: SS:Plastic Sealed Type

Type: BJH

Classification

Model	BJH					
Coil Sensitivity	Standard DC Coil			High Sensitivity DC Coil		
	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: ± 0.2 mm
1--5mm: ± 0.3 mm
> 5mm: ± 0.5 mm