



Main Feature

1. Small size (15.5x10.6x11.5 in mm) produces a switching capacity up to 1A for high density P.C.Board mounting technique.
2. The contact form construction is 1A/1C
3. The Surge Resistance of BSZ5 series is 1,500V
4. Sealing Construction (Free from dust and solder flux):
BSZ5-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

Contact Rating

- Nominal Load(Resistive Load $\cos \phi = 1$)
Contact Capacity
BSZ5-L/LM.....1A at 125VAC
1A at 24VDC
- Max. Allowable Current
BSZ5-L/LM.....1A
- Max. Allowable Voltage
BSZ5-L/LM.....AC125V,DC24V
- Max. Allowable Power Force
BSZ5-L/LM.....125VA 24W
- Contact Material..... Ag Alloy
- Contact Form..... SPDT & SPST

Performance (at Initial Value)

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

- Insulation Resistance.....1,000 Mega Ω Min. at
500VDC
- Max. On/Off Switching:
Electrical.....30 Ops per minute
Mechanical.....300 Ops per minute
- Temperature Range..... - 30~70°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 3.5g

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)
BSZ5-L/LM	3	66.7	45	Abt. 0.2	75% Maximum	10% Minimum	130%
	5	40	125				
	6	33.7	180				
	9	22.2	405				
	12	16.7	720				
	24	8.3	2880				

Ordering Information

BSZ5	-	SS	-	1	12	L	M	
								Contact Form: Nil: One form C M: One form A
								Coil Type: L: Standard 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: BSZ5

Classificatio

Model	BSZ5	
Coil Sensitivity	Standard DC Coil	
	1C	1A
Flow Solder Type	BSZ5-SS-1□□L	BSZ5-SS-1□□LM

Dimension
