



Main Feature

1. Small size (12.7x7.6x10 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 BSC series is 10,000V
4. Sealing Construction (Free from dust and solder flux): BSC-SS: Flow Solder Type.
5. The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.

Application

Air Conditioning, Fridge, Washing Machine, etc Household Appliances

Contact Rating

- Nominal Load(Resistive Load Cos ϕ =1)
Contact Capacity
BSC-L/D/LM/DM.....1A at 125VAC
1A at 24VAC
- Max. Allowable Current
BSC-L/D/LM/DM.....1A
- Max. Allowable Voltage
BSC-L/D/LM/DM.....AC125V,DC24V
- Max. Allowable Power Force
BSC-L/D/LM/DM.....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.....700VAC at 50/60 Hz
for one minute
Between Contacts.....450VAC at 50/60 Hz
for one minute
- Surge Resistance.....10,000V (between Coil
& Contact 1.2x50 μ s)

- Insulation Resistance.....100 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.....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..... 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 3g

Safety Standard & Its File Number

- UL.....E169536

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)
BSC-D BSC-DM	3	66.7	45	Abt. 0.2	75% Maximum	10% Minimum	130%
	5	40	125				
	6	33.7	180				
	9	22.5	400				
	12	16.7	720				
	24	8.3	2880				
BSC-L BSC-LM	3	50	60	Abt. 0.15	75% Maximum	10% Minimum	130%
	5	29.9	167				
	6	25	240				
	9	16.7	540				
	12	12.5	960				
	24	6.3	3840				

Ordering Information

BSC	-	SS	-	1	12	L	M		
								Contact Form:	Nil: One form C M: One form A
								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: How Solder Type
								Type:	BSC

Classificatio

Model	BSC			
Coil Sensitivity	Standard DC Coil		High Sensitivity DC Coil	
	1C	1A	1C	1A
Flow Solder Type	BSC-SS-1□□D	BSC-SS-1□□DM	BSC-SS-1□□L	BSC-SS-1□□LM

Dimension

