



Patent: ZL 2011 2 0054602.7



Main Feature

1. Small size (12.7x7.6x10 in mm) produces a switching capacity up to 2A 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 $\phi = 1$)
Contact Capacity
BSC-L/D/LM/DM.....2A at 125VAC
2A at 24VAC
- Max. Allowable Current
BSC-L/D/LM/DM.....2A
- Max. Allowable Voltage
BSC-L/D/LM/DM.....AC125V,DC24V
- Max. Allowable Power Force
BSC-L/D/LM/DM.....250VA 48W
- 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.....E333244

