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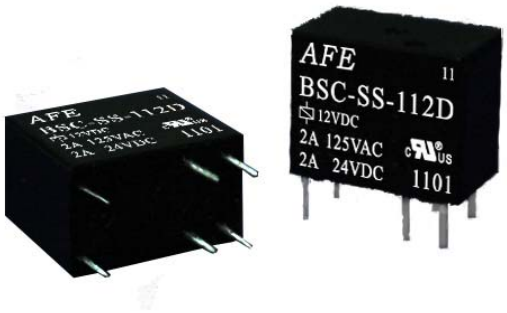
ISO9001、ISO14001 Certification Enterprises



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 1,500V
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.
6. RoHS Compliant.

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……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……≤50mΩ at 6VDC/1A
- Operate Time……..10ms. Max
- Release Time…….. 5ms. Max
- Dielectric Strength:
  Between Coil & Contact……750VAC 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/s^2 Min
  Error Operation…….. 98.1m/s^2 Min
- Life Expectancy:
  Electrical……10^5 Operations at Rated Resistive load
  Mechanical……10^7 Operations at No load condition
- Weight……about 3g

Safety Standard ＆ Its File Number

- UL……E333244

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Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±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			
	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 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.

Number of Pole: 1: One Pole

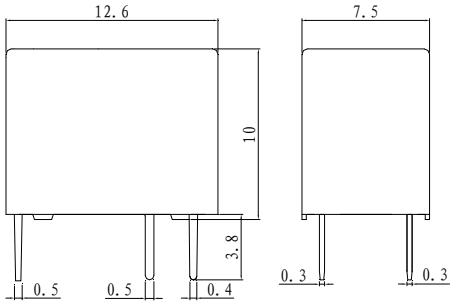
Type of Sealing: SS: Plastic Sealed Type

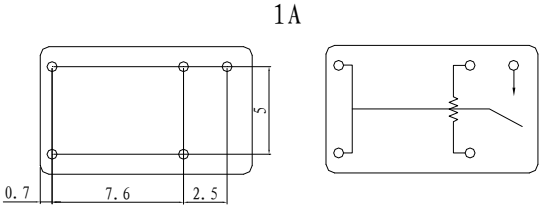
Type: BSC

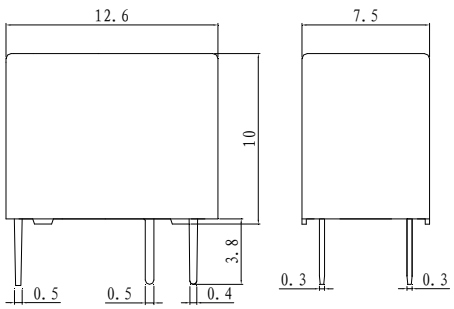
Classificatio

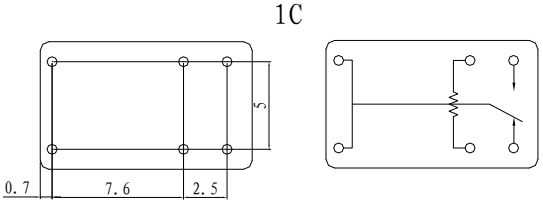
Model	BSC			
Coil Sensitivity	Standard DC Coil		High Sensitivity DC Coil	
	1C	1A	1C	1A
Plastic Sealed Type	BSC -SS-1□□D	BSC -SS-1□□DM	BSC-SS-1□□L	BSC-SS-1□□LM

Dimension









尺寸公差（Dimension Tolerance）：＜1mm: ±0.2mm
1--5mm: ±0.3mm
＞5mm: ±0.5mm