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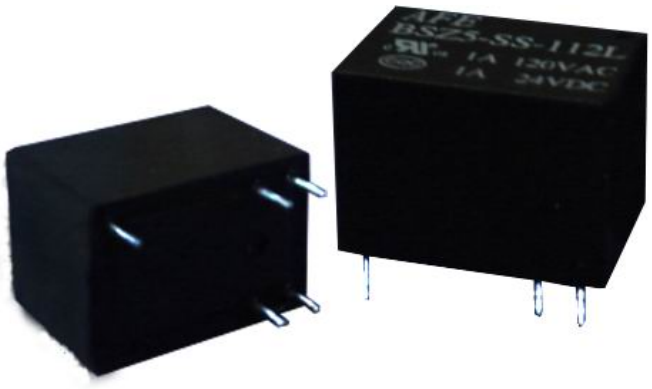
Electronic



## Main Feature

1. Small size (15.5x10.5x11.2 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 10,000V
4. Sealing Construction (Free from dust and solder flux): BSZ5-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
  BSZ5-L/LM……1A at 125VAC
  1A at 24VAC
- 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……≤50mΩ 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……700VAC at 50/60 Hz for one minute
- Surge Resistance……10,000V (between Coil & Contact 1.2x50 μs)
- 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/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 3.5g

## Safety Standard & Its File Number

- UL……E303975

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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) |
|---|---|---|---|---|---|---|---|
| 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<br>**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:**How Solder 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