



## Main Feature

1. 1 pole and 2 poles types available with switching current 15A(1 pole) and 10A(2 poles).
2. PCB terminal, socket and flange case types available for different mounting consideration.
3. Low coil power consumption with high sensitive.
4. Long service endurance, high reliability.

## Application

Air Conditioning, Fridge, Washing Machine, etc Household Appliances

## Contact Rating

- Nominal Load(Resistive Load  $\cos \phi = 1$ )  
Contact Capacity  
BAE-L/D/LM/DM.....  
1C:15A 125VAC/30VDC  
2C: 10A 125VAC/30VDC
- Max. Allowable Current  
BAE -L/D/LM/DM.....15 A、10A
- Max. Allowable Voltage  
BAE -L/D/LM/DM.....AC250V/30VDC
- Max. Allowable Power Force  
BAE -L/D/LM/DM.....1C: 3750VA/450W  
2C: 2500VA/300W  
Contact Material..... Ag Alloy
- Contact Form.....SPDT & SPST

## Performance (at Initial Value)

- Contact Resistance.....  $\leq 50m \Omega$  Max
- Operate Time.....10ms. Max
- Release Time..... 5ms. Max
- Dielectric Strength:  
Between Coil & Contact..... AC1500 V,50/60Hz 1Min  
Between Contacts..... AC1000 V,50/60Hz 1Min

- Max. On/Off Switching:  
Electrical.....30 Ops per minute  
Mechanical.....180 Ops per minute
- Temperature Range..... - 40~85°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<sup>2</sup> Min  
Error Operation.....98.1m/s<sup>2</sup> Min
- Life Expectancy:  
Electrical.....10<sup>5</sup> Operations at  
Rated Resistive  
load  
Mechanical.....10<sup>7</sup> Operations at  
No load condition
- Weight.....about 37g

## 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)
BAE	5	180.0	27.8	Abt.0.9	75% Maximum	10% Minimum	130%
	6	150.0	40				
	12	75.0	160				
	24	37.5	640				
	48	18.75	2560				
	110	10.0	11000				
	120	9.8	4550	1.2VA			
	220	4.2	14400				

### Ordering Information

**BAE - S - 1 12 D M**

**Contact Form:** M-Form A,  
B-Form B,  
Nil-Form C

**Coil Type:** L: D: DC  
A: AC

**Coil Voltage:** 5V, 6V, 12V, 24V, 48V, 110V, 120V, 220V

**Number of Pole:** 1: One pole  
2: Two poles

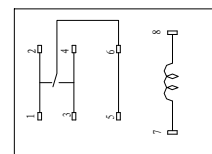
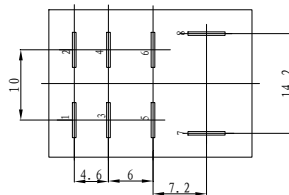
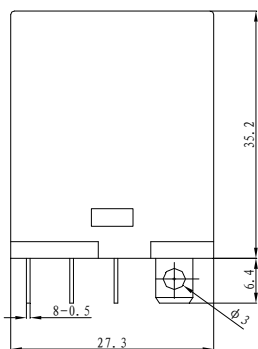
**Type of Sealing:** S: Plastic Sealed Type

**Type:** BAE

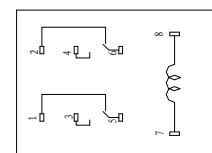
### Classificatio

Model	BAE	
Coil Sensitivity	Standard DC Coil 1A	Standard AC Coil 1A
Flow Solder Type	BAE -S-1□□DM	BAE -S-1□□AM

### Dimension



1c



2c