



Patent: ZL 2011 2 0054579.1

Main Feature

1. Small size (28.3x28.3x25.8 in mm) produces a switching capacity up to 40A for high density P.C.Board mounting technique.
2. The contact form construction is 1A/1C
3. The Surge Resistance of BAM11 series is 10,000V
4. Sealing Construction (Free from dust and solder flux):
BAM11 -S: Plastic duct cover.
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 $\phi = 1$)
Contact Capacity
BAM11-D.....30A at 14VDC
BAM11-DM.....40A at 14VDC
- Max. Allowable Current
BAM11-D..... 30A
BAM11-DM.....40A
- Max. Allowable Voltage
BAM11-D/DM..... DC14V
- Max. Allowable Power Force
BAM11-D.....420W
BAM11-DM.....560W
- 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.....750VAC at 50/60 Hz
for one minute
Between Contacts.....750VAC at 50/60 Hz
for one minute
- Surge Resistance.....10,000V (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..... - 40~85 $^{\circ}C$
- Humidity Range.....45~85% RH
- Coil Temperature Rise..... 35 $^{\circ}C$ 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 42g

Safety Standard & Its File Number

Pending

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)
BAM11-D/DM	3	200	6	Abt. 1.6	75% Maximum	10% Minimum	130%
	5	119	16				
	6	100	23				
	9	66.7	51				
	12	50	90				
	24	25	360				
	48	12.5	1440				

Ordering Information

BAM11	-	SS	-	1	12	D	M	
								Contact Form: Nil:One form C M:One form A B:One form B
								Coil Type: D:Standard DC Coil
								Coil Voltage: 03:3V, 05:5V,06:6V,09:9V 12:12V,24:24V.48:48V
								Number of Pole: 1:One Pole
								Type of Sealing: SS:Plastic duct cover.
								Type: BAM11

Classification

Model	BAM11	
Coil Sensitivity	Standard DC Coil	
	1A	1C
Flow Solder Type	BAM11 -S-1□□DM	BAM11 -S-1□□D

Dimension

