



## Main Feature

1. Small size (29x12.6x24.5 in mm) produces a switching capacity up to 16A for high density P.C.Board mounting technique.
2. The contact form construction is 1a
3. The Surge Resistance of BPMK series is 10,000V
4. Sealing Construction (Free from dust and solder flux):  
BPMK-SS: Sealed (Package base glue fixed).
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  
BPMK-LM-F.....16A at 250VAC
- Max. Allowable Current  
BPMK-LM-F.....16A
- Max. Allowable Voltage  
BPMK-LM-F.....AC250V
- Max. Allowable Power Force  
BPMK-LM-F.....4000VA
- Contact Material..... Ag Alloy
- Contact Form.....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.....5,000VAC at 50/60 Hz  
for one minute  
Between Contacts.....1,000VAC at 50/60 Hz  
for one minute
- Surge Resistance.....10,000V (between Coil  
& Contact 1.2x50  $\mu$ s)
- Insulation Resistance.....500 Mega  $\Omega$  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<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 15g

## Safety Standard & Its File Number

- UL.....E332719
- TUV.....R50170592
- CQC.....11002062613

## 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)
BPMK	3	180.0	17	Abt. 0.54	75% Maximum	10% Minimum	130%
	5	108.0	47				
	6	90.0	68				
	9	60.0	150				
	12	45.0	270				
	24	22.5	1100				
	48	10.9	4400				

## Ordering Information

<b>BPMK</b>	-	<b>SS</b>	-	<b>1</b>	<b>12</b>	<b>L</b>	<b>M</b>	
								<b>Contact Form: M-FormA,</b>
								<b>Coil Type:L: L: Standard DC Coil</b>
								<b>Coil Voltage:5V,6V,9V,12V,24V, 48V</b>
								<b>Number of Pole: 1:One pole</b>
								<b>Type of Sealing: SS: Sealed (Package base glue fixed)</b>
								<b>Type: BPMK</b>

## Classification

Model	<b>BPMK</b>
Coil Sensitivity	Standard DC Coil 1A
Flow Solder Type	BPMK -SS-1□□LM

## Dimension

