

### Contact Rating

- Nominal Load(Resistive Load  $\cos \phi = 1$ )  
Contact Capacity  
BT93-1H.....30A at 220VAC  
BT93-2H.....25A at 220VAC
- Max. Allowable Current  
BT93-1H.....30A  
BT93-2H.....25A
- Max. Allowable Voltage  
BT93-1H/2H.....AC220V
- Max. Allowable Power Force  
BT92-1H/2H.....1.9W(VDC)  
1.7~2.5VA(VAC)
- Contact Material..... Ag Alloy
- Contact Form..... SPST&DPST

### Performance (at Initial Value)

- Contact Resistance..... $\leq 50m\Omega$  at 6VDC/1A
- Operate Time.....30ms. Max
- Release Time.....30ms. Max
- Dielectric Strength:  
Between Coil & Contact.....4000VAC at 50/60 Hz  
for one minute  
Between Contacts.....2,500VAC at 50/60 Hz  
for one minute
- Surge Resistance.....10,000V (between Coil  
& Contact 1.2x50  $\mu$ s)

### Main Feature

- 1、 The product for small high power electromagnetic relay
- 2、 Has a set or two set of dynamic contact
- 3、 Small volume and large load
- 4、 Environmental protection products (In accordance with ROHS)
- 5、 Dimensions: 50.5 \* 33.5 \* 36

### Application

Air Conditioning, Fridge, Washing Machine, etc Household Appliances

- Insulation Resistance.....1,000 Mega  $\Omega$  Min. at 500VDC
- Max. On/Off Switching:  
Electrical.....30 Ops per minute  
Mechanical.....300 Ops per minute
- Temperature Range..... - 25~60°C
- Humidity Range.....At40°C, to 95% 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 93g

### Safety Standard & Its File Number

Pending

## Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ( $\Omega \pm 10\%$ )	Power Consumption	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
BT93-1H/2H	12	166.7	58	1.7VA~2.5VA	75% Maximum	10% Minimum	130%
	24	95.2	230				
	50	40	1000				
	110	18.2	4900				
	220	9.1	19600				
	6	316.7	18.9	1.9W			
	12	158.3	75				
	24	79.2	303				
	48	18.8	1220				
	100	19	5260				

## Ordering Information

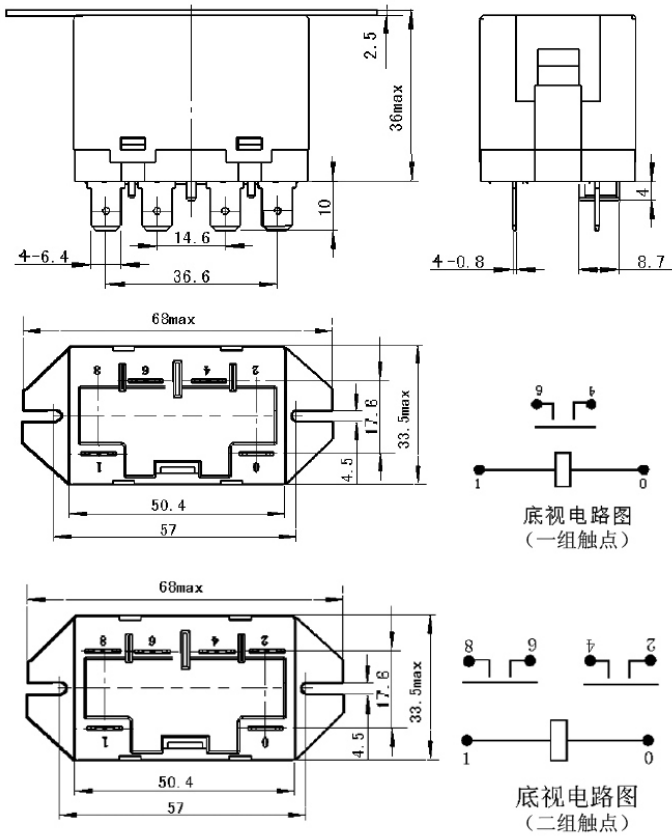
<b>BT93</b>	-	<b>S</b>	-	<b>1</b>	<b>12</b>	<b>D</b>	<b>M</b>	<b>P</b>	<b>Installation method:</b> P:PCB terminal Nil:standard
									<b>Contact Form:</b> M: form A
									<b>Coil Type: D:Standard DC Coil</b> A:Standard AC Coil
									<b>Coil Voltage: 05:5V,06:6V,09:9V;12:12V,24:24V.48:48V;</b> 110:110V;120:120V;220:220V;240:240V
									<b>Number of Pole: 1:One Pole; 2:Two Pole</b>
									<b>Type of Sealing: S:Card buckle structureType</b>
									<b>Type: BT93</b>

## Classificatio

Model	BT93			
Coil Sensitivity	Standard DC Coil		Standard AC Coil	
	1H	2H	1H	2H
Plastic Sealed Type	BT93 -S-1□□DM	BT93 -S-2□□DM	BT93 -S-1□□DM	BT93 -S-2□□DM

**Dimension**

BT93-AM 规格



BT93-DM-P 规格

