Temperature Controller KSD301 KSD302 NC and NO Overheat Protector

KSD301 is a movable ring with flat feet (10A)
KSD302 is a fixing ring for bent feet (16A)
KSD301 and KSD302 have the same volume.
KSD301 Ceramic materials above 165 degrees, including 165 degrees, bakelite materials below 165 degrees
KSD302 is 16A elbow fixing ring (can replace 10A), all the degrees of 16A are made of ceramic material

1. KSD301,302 Temperature Protector's Principle and Structure

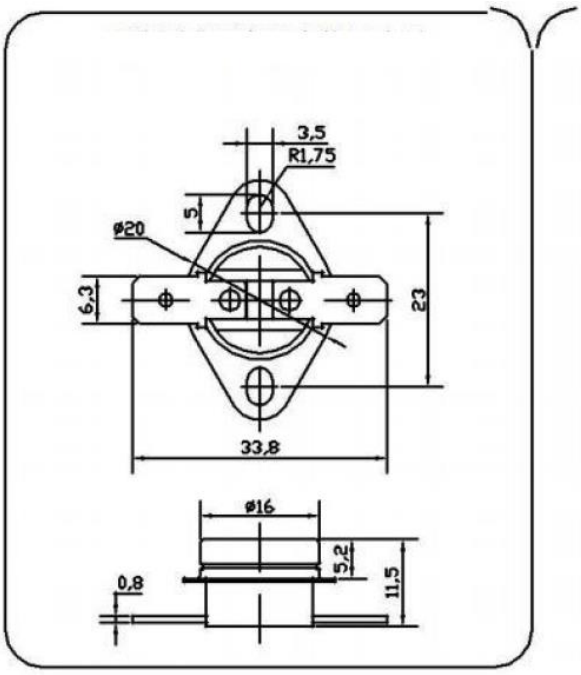
The main principle of KSD series thermostat is that one function of bimetal discs is snap action under the change of sensing temperature. The snap action of disc can push the action of the contacts through the inside structure, and then caused on of off the circuit finally. The main characteristic are the fixation of working temperature, the reliable snap action, less flashover longer working life and less radio interference.

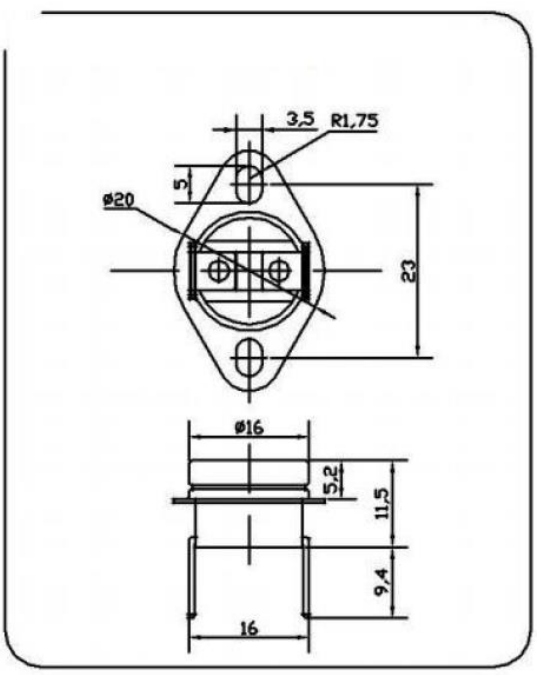
2. KSD301,302 Thermostat's Specification

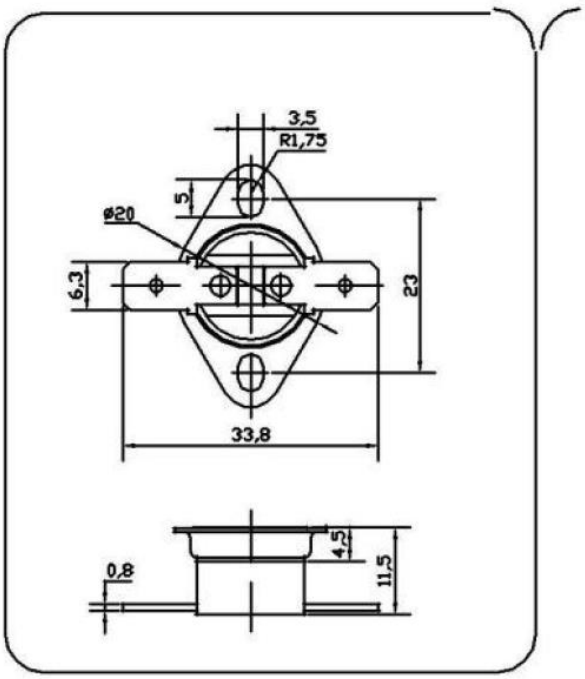
2.1. Electrical Rating: AC250V 10A /16A
2.2. Circuit resistance: ≤50mΩ (Initial value)
2.3. Insulation resistance: ≥100mΩ (DC500V Normal State)
2.4. Dielectric Strength: AC50Hz 1500V / min, no breakdown blinding (Normal State)
2.5. Life cycle: ≥100000
2.6. Normally closed or open
2.7. Two kinds of mounting bracket: movable or immovable
2.8. Two kinds of body: plastic or ceramic.

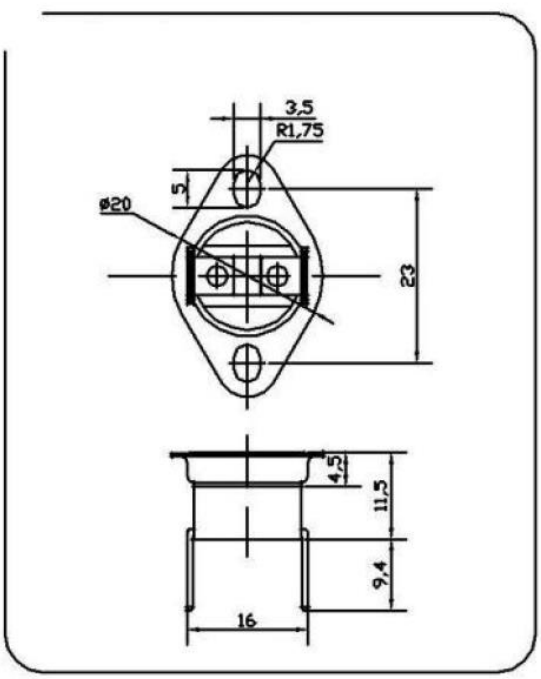
Open temp.	Reset temp.	Open temp.	Reset temp.	Open temp.	Reset temp.
-20ºC+-5ºC	5ºC+-5ºC	95ºC+-5ºC	80ºC+-5ºC	205ºC+-5ºC	175ºC+-10ºC
-15ºC+-5ºC	5ºC+-5ºC	100ºC+-5ºC	80ºC+-10ºC	210ºC+-5ºC	180ºC+-10ºC
-10ºC+-5ºC	5ºC+-5ºC	105ºC+-5ºC	85ºC+-10ºC	215ºC+-5ºC	185ºC+-10ºC
0ºC+-5ºC	-10ºC+-5ºC	110ºC+-5ºC	90ºC+-10ºC	220ºC+-5ºC	190ºC+-10ºC
5ºC+-5C	-5ºC+-5ºC	115ºC+-5ºC	95ºC+-10ºC	225ºC+-5ºC	195ºC+-10ºC
10ºC+-5ºC	0ºC+-5ºC	120ºC+-5ºC	100ºC+-10ºC	230ºC+-5ºC	200ºC+-10ºC
15ºC+-5ºC	5ºC+-5ºC	125ºC+-5ºC	105ºC+-10ºC	235ºC+-5ºC	205ºC+-10ºC
20ºC+-5ºC	5ºC+-5ºC	130ºC+-5ºC	110ºC+-10ºC	240ºC+-5ºC	210ºC+-10ºC
25ºC+-5ºC	10ºC+-5ºC	135ºC+-5ºC	115ºC+-10ºC	245ºC+-5ºC	215ºC+-10ºC
30ºC+-5ºC	15ºC+-5ºC	140ºC+-5ºC	120ºC+-10ºC	250ºC+-5ºC	220ºC+-10ºC
35ºC+-5ºC	20ºC+-5ºC	145ºC+-5ºC	125ºC+-10ºC	255ºC+-5ºC	225ºC+-10ºC
40ºC+-5ºC	25ºC+-5ºC	150ºC+-5ºC	130ºC+-10ºC	260ºC+-5ºC	230ºC+-10ºC
45ºC+-5ºC	30ºC+-5ºC	155ºC+-5ºC	130ºC+-10ºC	265ºC+-5ºC	235ºC+-10ºC
50ºC+-5ºC	35ºC+-5ºC	160ºC+-5ºC	135ºC+-10ºC	270ºC+-5ºC	240ºC+-10ºC
55ºC+-5ºC	40ºC+-5ºC	165ºC+-5ºC	140ºC+-10ºC	275ºC+-5ºC	245ºC+-10ºC
60ºC+-5ºC	45ºC+-5ºC	170ºC+-5ºC	145ºC+-10ºC	280ºC+-5ºC	250ºC+-10ºC
65ºC+-5ºC	50ºC+-5ºC	175ºC+-5ºC	150ºC+-10ºC	285ºC+-5ºC	255ºC+-10ºC
70ºC+-5ºC	55ºC+-5ºC	180ºC+-5ºC	155ºC+-10ºC	290ºC+-5ºC	260ºC+-10ºC
75ºC+-5ºC	60ºC+-5ºC	185ºC+-5ºC	155ºC+-10ºC	295ºC+-5ºC	265ºC+-10ºC
80ºC+-5ºC	65ºC+-5ºC	190ºC+-5ºC	160ºC+-10ºC	300ºC+-5ºC	270ºC+-10ºC
85ºC+-5ºC	70ºC+-5ºC	195ºC+-5ºC	165ºC+-10ºC		
90ºC+-5ºC	75ºC+-5ºC	200ºC+-5ºC	170ºC+-10ºC		


KSD301
250V 10A
160°C
KSD302
250V 16A


3,5
R1,75
5
ø20
6,3
23
33,8
ø16
5,2
11,5
0,8


3,5
R1,75
5
ø20
23
ø16
5,2
11,5
9,4
16


3,5
R1,75
5
ø20
6,3
23
33,8
4,5
11,5
0,8


3,5
R1,75
5
ø20
23
4,5
11,5
9,4
16