

# KSD Series Thermal Protectors



### Materials

Casing: Plastic and/or Metal

### Operating Temperature

60°C to 150°C

### Tolerance

±5°C

### Reset Temperature

15°C to 50°C

Reset temperature less than operating temp. (*customizable*)

### Resistance

Less than 50 mΩ

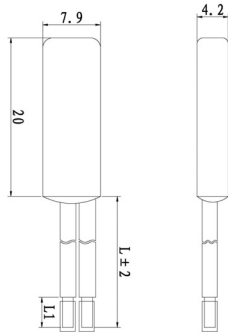
### Hi-Pot test

1500vac 0.5mA 1min

### Endurance

10,000 cycles

**Rating** AC250V 5A; AC115V 8A;  
DC 24V 10A

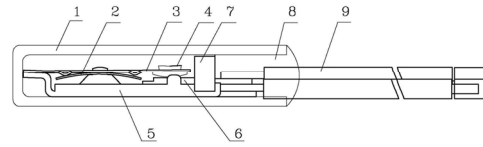


Dimensions (units in mm)



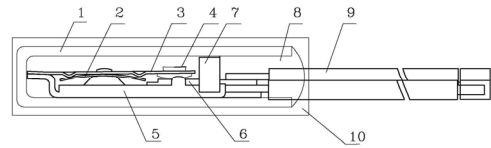
### Construction (units in mm)

#### KSD Series structure (Plastic casing)



1. Plastic casing
2. Bi-metal
3. Moving spring
4. Contact
5. Plate
6. Ag-plate
7. Plastic plate
8. epoxide resin
9. wire

#### KSD Series structure (Metal casing)



1. Metal casing
2. Bi-metal
3. Moving spring
4. Contact
5. Plate
6. Ag-plate
7. Plastic plate
8. epoxide resin
9. wire
10. Tube

Temperature Characteristics				Approvals		
Model No.	Operation temperature (°C)	Rest temperature (°C)	Approvals			
			TUV 250V	UL 125V	CQC 250V	
KSD-60°C	60±5	40±10	•	-	•	
KSD-65°C	65±5	40±10	•	-	•	
KSD-70°C	70±5	45±15	•	•	•	
KSD-75°C	75±5	45±15	•	•	•	
KSD-80°C	80±5	50±15	•	•	•	
KSD-85°C	85±5	55±15	•	•	•	
KSD-90°C	90±5	60±15	•	•	•	
KSD-95°C	95±5	65±15	•	•	•	
KSD-100°C	100±5	70±15	•	•	•	
KSD-105°C	105±5	70±15	•	•	•	
KSD-110°C	110±5	75±15	•	•	•	
KSD-115°C	115±5	75±15	•	•	•	
KSD-120°C	120±5	80±15	•	•	•	
KSD-125°C	125±5	85±15	•	•	•	
KSD-130°C	130±5	85±15	•	•	•	
KSD-135°C	135±5	90±15	•	•	•	
KSD-140°C	140±5	90±15	•	•	•	
KSD-145°C	145±5	95±15	•	•	•	
KSD-150°C	150±5	100±15	•	•	•	

**Notes:** 1. Above shown reset temperatures are for reference only, products can be customized to specific requirements  
2. Wire dimensions customizable

### Ordering Information

Model No./ Temperature	Reset Temperature	Packaging	Qty