

Thermal Fuse Series

SPECIFICATION:

Electrical Rating:

10A 250V AC (Resistive Load)

15A 125V AC (Resistive Load)

Operating Temp: 50~175°C (UL, CUL 205°C)

Differential: 10~30K (15K Standard)

Temp Tolerance: Operating Temp $\pm 3K \pm 5K$

Heat Durability: 220°C Max. (PPS)

Contact Resistance: 50m Ω Max.

Insulation Resistance: 100M Ω Min. at DC500V

Dielectric Strength: AC 1000V for One Minute.

Operating Life: 100000 Cycles (10A 250V)

6000 Cycles (15A 125V AC)



Contact Type :

A = Contact Opens When Temperature Rises to Set Point (Normally Closed)



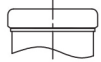
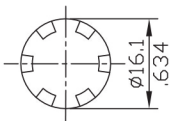
B = Contact Closes When Temperature Rises to Set Point (Normally Open)



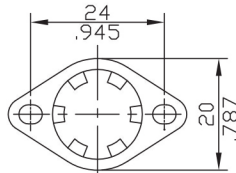
Bracket Type:

• FIXED BRACKET

* STAINLESS STEEL CAP : D, DL, V, T TYPE



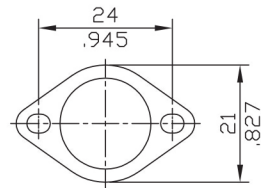
C TYPE



B TYPE

• LOOSE BRACKET

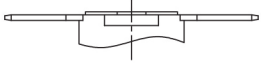
* STAINLESS STEEL CAP : U TYPE



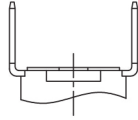
O TYPE

Thermal Fuse Series

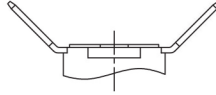
Terminal Orientation:



F TYPE
(0°)

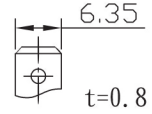


R TYPE
(90°)



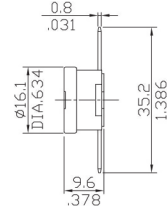
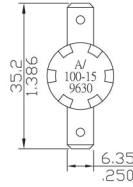
T TYPE
(45°)

Terminal Size:

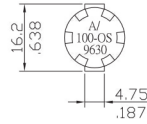


TYPE 1

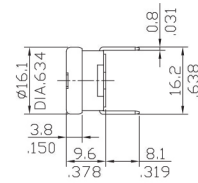
KSD301A-CF1



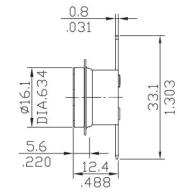
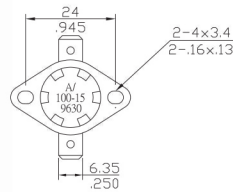
KSD301A-CR1



Reset below -35°C



KSD301A-BF1



Thermal Fuse Series

Action and Reset temperature

Action temperature	Reset temperature	Action temperature	Reset temperature
45± 3℃	30± 5℃	130± 3℃	115± 5℃
50± 3℃	35± 5℃	135± 3℃	120± 5℃
55± 3℃	40± 5℃	140± 3℃	125± 5℃
60± 3℃	45± 5℃	145± 3℃	130± 5℃
65± 3℃	50± 5℃	150± 3℃	135± 5℃
70± 3℃	55± 5℃	155± 3℃	140± 5℃
75± 3℃	60± 5℃	160± 3℃	145± 5℃
80± 3℃	65± 5℃	165± 4℃	145± 5℃
85± 3℃	70± 5℃	170± 4℃	150± 5℃
90± 3℃	75± 5℃	175± 4℃	155± 5℃
95± 3℃	80± 5℃	180± 4℃	160± 5℃
100± 3℃	85± 5℃	185± 4℃	165± 5℃
105± 3℃	90± 5℃	190± 5℃	170± 5℃
110± 3℃	95± 5℃	195± 5℃	175± 5℃
115± 3℃	100± 5℃	200± 5℃	180± 5℃
120± 3℃	105± 5℃	205± 5℃	185± 5℃
125± 3℃	110± 5℃	210± 5℃	190± 5℃

The specification can also be manufactured as request.

Test Method:

Sample is connected to the fixture of the equipment, and placed into the test equipment (Hot current of air in the space of test should be equipped with a stirrer and temperature is controllable). A detect current about 10mA (no more than 100mA) is passed through the sample and a thermometer is placed junction to the sample to monitor the opening temperature. The temperature of the test equipment is raised at the rate of 0.5~1℃ per minute until the sample functioned.