Thermal Fuse Series

KLS5-KSD301 Thermal Fuse Series

SPECIFICATION:

Electrical Rating:
10A 250V AC (Resistive Load)
15A 250V AC (Resistive Load)
Operating Temp:50~175°C(UL.CUL 205°C)
Differential:10~30K(15K Standard)
Temp Tolerance:Operating Temp ±3K ±5K
Heat Durability:220°C Max.(PPS)
Contact Resistance: 50mΩ Max.
Insulation Resistance: 100MΩ Min.at DC500V
Dielectric Strength:AC 1000V for One Minute.
Operating Life:100000 Cycles(10A 250V)
10000 Cycles(15A 250V AC)

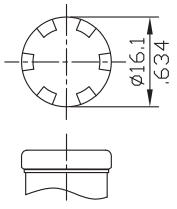
Contact Type :

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

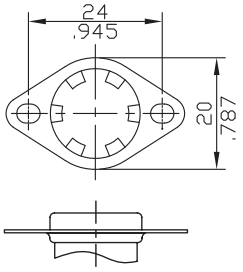
B = Contact Closes When Temperature Rises to Set Point (Normally Open)

Bracket Type:

- FIXED BRACKET
  * STAINLESS STEEL CAP : D,DL,V,T TYPE

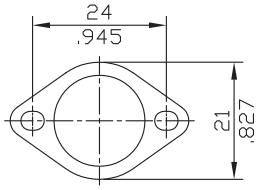


C TYPE



B TYPE

- LOOSE BRACKET
  * STAINLESS STEEL CAP : U TYPE



U TYPE

ORDER INFORMATION

Product NO.: KLS5-KSD301-A-110 C D 1 B

- Series No.
- Contact type
- Operating Temp
- Bracket Type
- Terminal Orientation
- Terminal Size
- Base Material: B : Bakelite C : Ceramic

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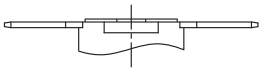
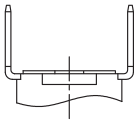
V

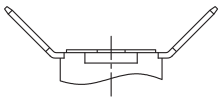
Terminal Orientation:



F TYPE
(0°)

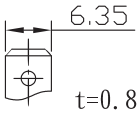


R TYPE
(90°)



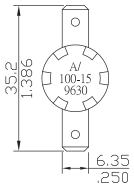
T TYPE
(45°)

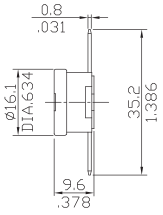
Terminal Size:



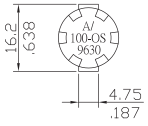
TYPE **1**

KSD301A-CF1

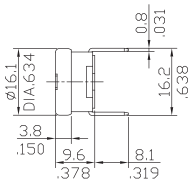




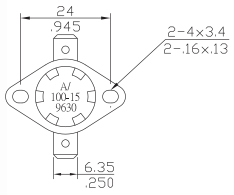
KSD301A-CR1

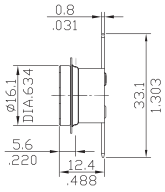


Reset below -35℃



KSD301A-BF1





ORDER INFORMATION

Product NO.: KLS5-KSD301-A-110 C D 1 B

- Series No.
- Contact type
- Operating Temp
- Bracket Type
- Base Material: B : Bakelite C : Ceramic
- Terminal Size
- Terminal Orientation

Thermal Fuse Series

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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 then 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.

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