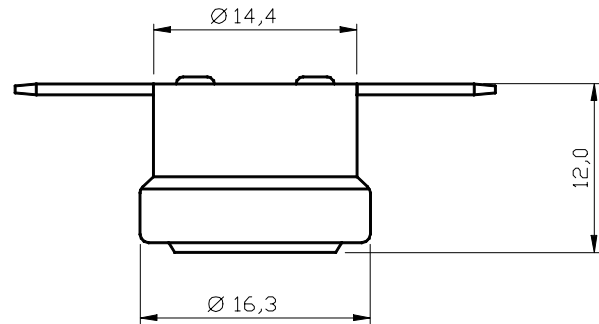


## Thermal Fuse Type KB-ESB

### One-shot Thermal Fuse – No Reset Option



**Description:** Thermal fuse in rugged metal housing with bimetal snap action disc. Opens the contact when reaching the fixed temperature set point. It is a single-operation device (SOD) that cannot be reset. The component needs to be replaced after the one-time release.  
 All current-carrying parts are electrically insulated from the locking / mounting cap so that the thermal fuse can be directly mounted on the surface to be controlled.  
 The melt solder is placed directly on the base plate providing rapid response to temperature changes.  
 The thermal fuse is available in various mounting styles (see examples of design).

**Application:** Wherever a circuit is to be safely and permanently disconnected when a specified temperature is exceeded. Use e.g. in ovens, convectors, compressors, switch cabinets, etc.

**Specifications:**

Contact ratings:	250VAC, 16 (6.0) A
Minimum switching current:	≥50mA with silver contacts, ≥10mA with gold-plated contacts
Contact resistance:	≤25mΩ with silver contacts, ≤10mΩ with gold-plated contacts
Dielectric strength:	2,000Veff, 50Hz el. terminals to locking cap 500Veff, 50Hz across open contacts
Ingress Protection rating of housing:	IP40

**Temperatures:**

Switching temperatures:	+50°C . . . +195°C
→ No automatic reset, not even at temperatures below -40°C ←	
Ambient temperature range:	- 60°C . . . +200°C
Standard tolerance:	± 5K, other values on request

**Certifications:** VDE, UL for type KB (please indicate in order if marking is required)

**Terminals:** Fast-on blade terminal compliant with DIN 46244, screw-type, welding or soldering terminals (see examples of design)

**Note:** Appropriate CA244 type (with sealing lip) connection cables are available as accessory components for the terminal configuration A004 with 90 degree angled blade terminals (6.3mm x 0.8mm).  
 Optionally, the thermal fuse can be supplied with factory-terminated lead wires or stranded cable as per customer's specification.

**Examples of design:**



Technical specifications as stated in our data sheets are based on the results of tests carried out in the facilities of Temtech or the respective component manufacturer applying standard test methods and equipment. Results obtained with different test procedures and equipments may vary. The proper adjustment of the thermostats and any other component purchased from Temtech and proof of suitability for the intended application is in the buyer's own responsibility. Temtech makes no warranty as to mismatches of any kind. We reserve the right to make changes that serve technical progress.