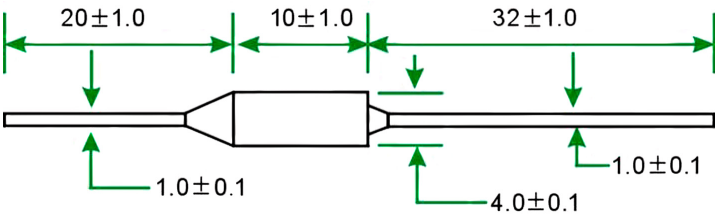
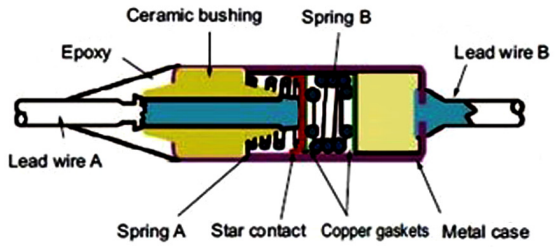
THERMAL FUSE

Size (mm)

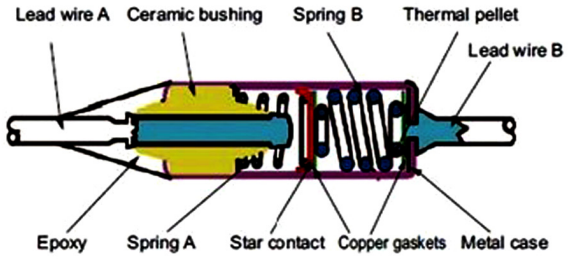


Before the fuse



There is movable electrode, spring and thermal frit installed inside the RY-type thermal fuse. The spring B is installed under compressed condition, the spring force of which can hold the coppering gasket to keep the movable electrode well connected with the lead A. In normal condition, the current leads A, the movable electrode, the metal shell and wire B is conductive with each other.

After fusing



When the ambient temperature exceeds the operating temperature, the lead, the heat incoming from the lead and metal shell will melt thermal frit into liquid. At that time, the spring A and the spring B will popup and stretch, the elastic force of the spring A will push the movable electrode toward the spring B-side, so as to cut off contact with the leads A to cut off the circuit.

Thermal fuse technical parameterlist

Symbol	Rated functioning temp (Tf)	Fusing -off temperature	Holding temperature (Th)	Maximum temp. limit (Tm)	Rated current (Ir)	Rated vo
BT073/10a	73°C	73+0/-5°C	45°C	150°C	10/15A under 120Vac 10/15A under 250Vac	120V/2 50V
BT077/10a	77°C	77+0/-5°C	57 °C	140°C		
BT084/10a	84°C	84+0/-5°C	64°C	140°C		
BT092/10a	92°C	92+0/-5°C	73°C	140°C		
BT098/10a	98°C	98+0/-5°C	78°C	140°C		
BT113/10a	113°C	113+0/-5°C	93°C	150°C		
BT117/10a	117°C	117+0/-5°C	97°C	160°C		
BT121/10a	121°C	121+0/-5°C	101°C	180°C		
BT128/10a	128°C	128+0/-5°C	108°C	180°C		
BT133/10a	133°C	133+0/-5°C	113°C	190°C		
BT142/10a	142°C	142+0/-5°C	122°C	200°C		
BT157/10a	157°C	157+0/-5°C	137°C	195°C		
BT167/10a	167°C	167+0/-5°C	147°C	210°C		
BT172/10a	172°C	172+0/-5°C	152°C	210°C		
BT184/10a	184°C	184+0/-5°C	160°C	210°C		
BT192/10a	192°C	192+0/-5°C	170°C	250°C		
BT216/10a	216°C	216+0/-5°C	191°C	380°C		
BT229/10a	229°C	229+0/-5°C	200°C	380°C		
BT240/10a	240°C	240+0/-5°C	215°C	380°C		