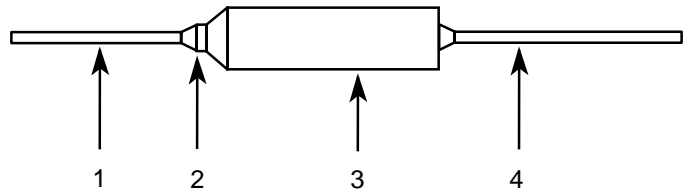


Microtemp Thermal Fuses

Code No.: 310-116



Materials & Dimensions



THERMOSPEED

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310-116

OPERATING PRINCIPLE

The MICROTEMP thermal cut-off is designed to provide upper limit temperature protection.

The MICROTEMP thermal cut-off's patented design incorporates an exclusively formulated electrically non-conductive pellet. Under normal operating temperatures, the solid pellet compresses a spring which holds the star contact against the isolated lead.

When a fault temperature is reached, the pellet melts, a second spring moves the sliding star contact away from the isolated lead and the circuit is opened.

The MICROTEMP thermal cut-off case which contains all the working components is sealed in epoxy. In addition to mechanical strength, the seal provides protection of the internal components from deterioration by a hostile atmosphere.

Part No.	Designation	Specification
1	Lead	Silver plated copper, diameter 1.0 ± 0.1 mm Length A. 20 ± 3 mm A-1 35 ± 3 mm
2	Seal	Epoxy Resin
3	Case	Silver plated copper or silver plated brass 0.3 ± 0.1 mm thick 4.2 ± 0.2 mm outside diameter 11.15 ± 0.5 mm long
4	Lead	Tinplated copper 1.0 ± 0.1 mm diameter 35 ± 3 mm long

Permanent Protection

Once a MICROTEMP thermal cut-off opens a circuit, the circuit will remain open until the fault is corrected and the MICROTEMP thermal cut-off replaced. This replacement need, helps to insure correction of the fault condition before the product can be operated again.

Component & Product Protection

The MICROTEMP thermal cut-off is widely used to protect motors, transformers, ballasts and many other products which do not have controlling thermostats. In these applications, the MICROTEMP thermal cut-off offers product protection by preventing hazardous overheating.

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