

TH10

Thermal Cut-Out

Sensata Technologies has developed the TH10 temperature cut-out to respond to the need of increasing power of heating and personal care appliances. As a result of this, Sensata Technologies has further established its leading position in the worldwide thermal protection market.

Design and operating principles

The TH10 consists of two nickel-plated supports, held together with ceramic pins. One support holds the high performance Klixon® bimetal disc, which, in combination with the sophisticated contact system, provides superior cycling performance. For self-hold versions see TH11/21. A wide temperature range, standard 5K tolerance, different bimetal resistivity, plus optional terminal configurations make the TH10 suitable for a very wide range of applications.

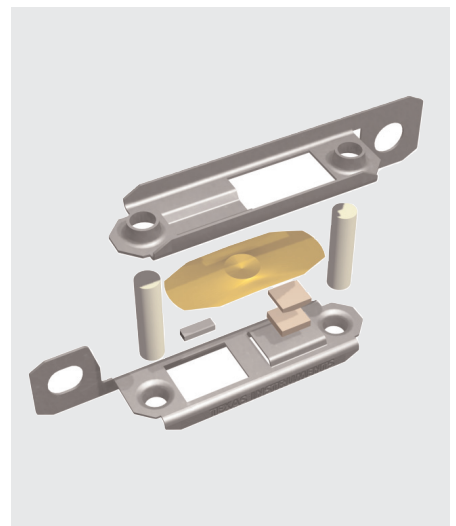
The operating principle of the TH10 is simple and effective. A current flows through the resistive Klixon® bimetal disc. When a fault condition occurs, the increased ambient temperature causes the bimetal disc to snap open the contacts. As the device cools down to a safe temperature again, the contacts will automatically reset.

Applications

The TH10 operates as a sensitive power cut-out for:

- Hair dryers
- Fan heaters
- Convector heaters
- Transformers
- Hand dryers

and various other applications. With the TH10 Sensata Technologies provides you with cost-effective protection while offering superior quality and reliability.



KEY BENEFITS

Flexible mounting:

3 terminal configurations available

Robust design:

The bimetal disc is protected by the metal support

Full automated live:

Provides stable setting values

Low price:

The particular design provides high competitiveness



Certifications

Agency	File number	Rating A-res (A-ind. @ PF=0.6)V / cycles	Standard
ENEC	2014531.03	13(2)A250 Vac @ 30.000 cycles 30(5)A250 Vac @ 3.000 cycles	EN60730-2-9 EN60730-2-9 special rating EN61558
ENEC UL / C-UL	2014531.03 E 54813		EN60730-2-2 UL873 / CSA C22.2 No 24

