High Temperature Thermal Overload Protector TB 97

Limitor
Temperature, Current, Time under Control

→ **Very high cutoff temperature (max. 450°C)**

→ **Ceramic body**

→ **Quite good heat transfer about the homogeneous construction**

→ **High temperature sensitivity**

→ **Fast reaction time**

→ **High contact rating**
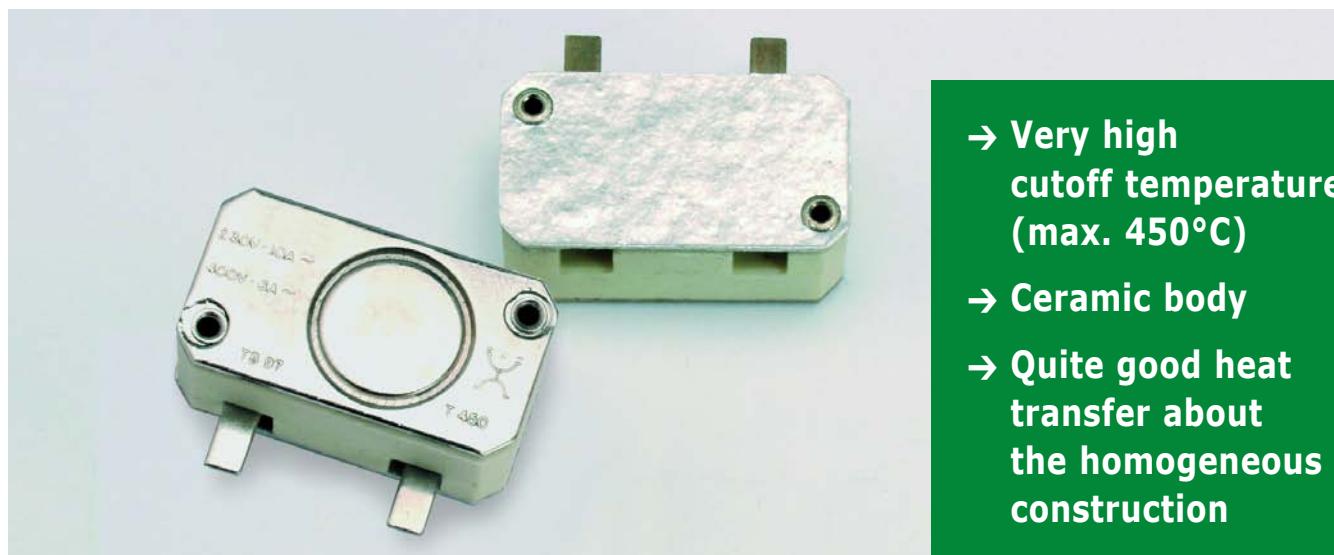
Description

If thermal overload protection in demand: simple in function, reliable in technology and competitive in price take the thermal overload protector TB 97. The TB 97 based on reliable bimetal snap-disc technology and is specially designed for application where high temperature are needed, with a maximum ambient temperature of 450°C (permanent). Even if the operating temperature is more than 400°C the operating temperature is within tolerance of ± 5%.

Function

When temperature rises and will reach the fixed operating temperature, a contact system will open (NC) or close (NO) the electrical current circuit. After cooling down the contact system return back in its original position (automatically reset function).
Within its nominal power conditions the limiter TB 97 works independent from any current supply.

Typical application

● Electrical oven, Heating elements,
● Barbecue equipment
● Irons, Iron machines
● Industrial usage,
  Welding machines
  Soldering machines, etc.

Approvals

VDE, conform to RoHS

Dimensions: L 27,5 mm x **W** 15,5 mm x **H** 12,5 mm

Technical data

Max. Permanent temperature	Power Capicity	Dielectric Operations	Switch Terminals	Resistance
200°C - 450°C	10 A (230 V); 6 A (400 V)	3.000 V	10.000	< 50 mΩ

For special operating temperature, reset temperature and differential please ask our technical department for support.

Variation of fixing: screw M4 x 6 fixed flange

Different positions of electrical terminals are possible.