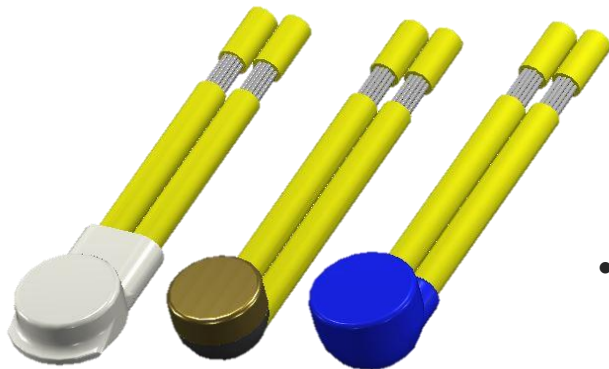


Thermal protector ST06 series



- **Very small, compact design**
- **Not sensitive to current**
- **Short response time**
- **High mechanical strength**
- **Up to 50kg coil shaping pressure**

Applications

Over temperature protection in electrical appliances, as coil protection, in transformers, electric motors, electromagnetic coils, and thermal protection in electrical appliances.

Function


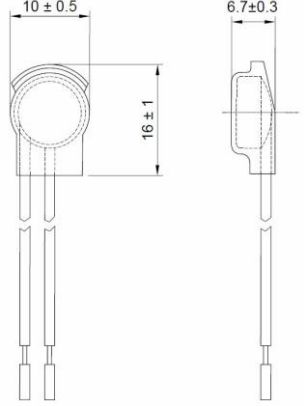

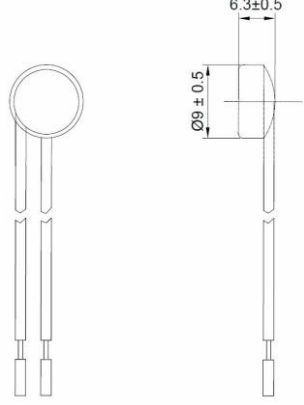
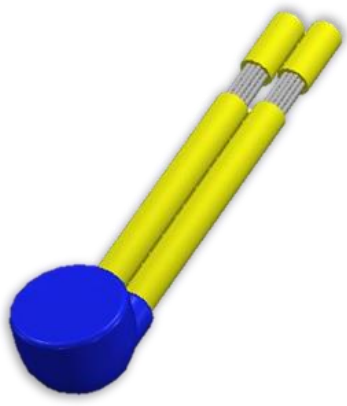
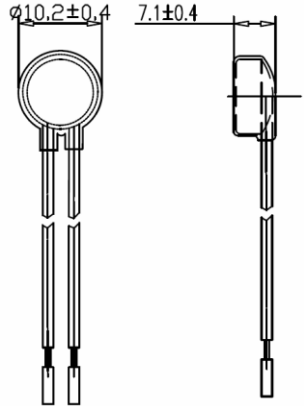
The temperature limiter ST06 series is independent of current.

The temperature is measured by a continuously operating bimetallic disk which has previously been dimensioned according to the desired switch-off temperature. The function and switching behavior of our thermal protectors, featuring an additional spring disc, ensure that the bimetal disk is continuously active. After cooling and reaching the reset temperature of the bimetal disk, the temperature switch automatically switches back to its initial position. (Automatic reset). The pressure resistance of the housing is up to 50kg.

Technical data

Function	Normally closed (NC)
Nominal switching temperature in 5°C steps (NST)	60°C ~ 200°C
Tolerance (Standard)	± 5K
Reset temperature	≥ 35°C (NST ≤ 95°C) -50K ± 15K (100°C ≤ NST ≤ 200°C)
Rated voltage	AC 250V
Rated current	10A
Cycles at AC 250V / 10,0A cos φ 1,0	10.000
Cycles at AC 250V / 6,3A cos φ 0,6	10.000
Contact resistance	< 50mΩ
Insulation voltage	AC 2.0kV / 1 min. exempt design U2
Lead wire length (Standard)	100 ± 5mm
recognized standards	VDE DIN EN 60730-2-2, DIN EN 60730-1 UL 60730-2-2

Designs

Type	Model	Illustration	Dimensions (mm)	Description
ST06	U1			Isolation cap Completely isolated
ST06	U2			without isolation
ST06	U4			with epoxy cover (max. 155°C) Completely isolated

Available standard connection wires

Insulation material	Temperature max.	Size	UL-Style
FEP	200°C	AWG 18	1332

The standard lead wire length is 100mm with 5mm semi-strip.

Yellow FEP insulated lead wire in AWG 18 (0,75mm²) is used as standard. (UL1332)

Customized lead wires are available on request.

Order code

Changes and errors excepted

ST06 - A - U1 . 180 . 05 . 100

Type:

ST06

Function:

A = Normally closed (NC)

Model:

U1 = Shrink cap insulation

U2 = Without insulation

Nominal switching temperature:

60°C ~ 200°C in 5°C steps

Tolerance:

05 (± 5K) / standard

08 (± 8K)

10 (± 10K)

Lead wire length:

Standard = 100mm, 5mm Semi-Strip

Example: ST06-A-U1.180.05.100

For different or unlisted specifications, please contact us