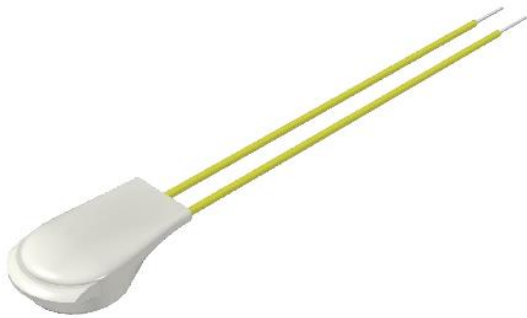


Thermal protector ST06 series



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

Applications

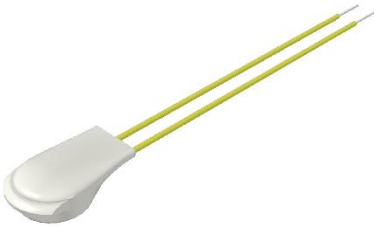
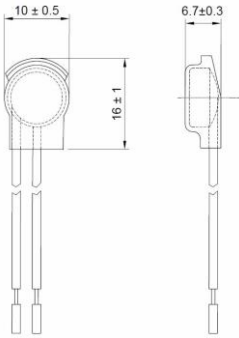

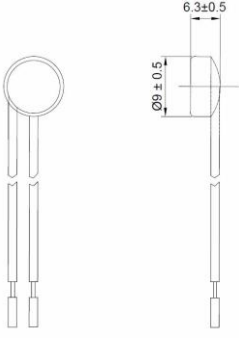
Over temperature protection in electrical appliances, as coil protection, in transformers, electric motors, electromagnetic coils, and thermal protection in electrical appliances.

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 disc is continuously active. After cooling and reaching the reset temperature of the bimetal disc, 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 ~ 180°C
Tolerance (Standard)	± 5K
Reset temperature	≥ 35K (≤ 95°C NST) -50K ± 15K (100°C ≤ NST ≤ 180°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	1,5 kV
Lead wire length (Standard)	100 ± 5mm
Approvals	VDE DIN EN 60730-2-2, DIN EN 60730-1 UL 60730-2-2

Available designs				
Type	Model	Illustration	Dimensions (mm)	Description
ST06	U1			Shrink cap insulation
ST06	U2			Without cap insulation

Order code

	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 ~ 180°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

Available wire / lead wire specifications

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.

Changes and errors excepted