



- ▶ **Very compact, constructional size**
- ▶ **Fast response time**
- ▶ **High mechanical stability**
- ▶ **High thermal conductivity and temperature sensitive**

Applications

Thermal overload protection of small electrical equipment, as winding protection in transformers, electric motors, electromagnetic coils and others. After cooling down to the snap-back temperature of the bimetal disc, the protector returns to its initial position automatically (automatic reset).

Specifications	
Nominal Switching Temperature, in 5 K steps	60 - 200°C
Tolerance standard	± 5K / ± 8K / ± 10K
Reset temperature range	≥ 35° C (≤95°C NST) -50K ± 15K (100° C ≤ NST ≤180°C)
Operating voltage	250V AC
Cycles at Φ1,0	10A / 10.000 Zyklen
Cycles at Φ0,6	6.3A/10.000 Zyklen
Contact resistance	≤50 mΩ
Insulation voltage	1.5 KV
Insulation sleeve length	16 mm
Diameter	10 mm
Height	6.7 mm
Lead wire (standard)	0.75 mm / AWG18
Outgoing line length (standard)	55 mm

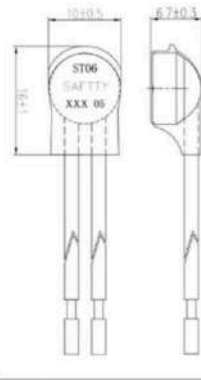
Certifications					
	Agency	Standard No	File No	Application	NST (°C)
	UL	UL 60730-2-2	E 336150	Thermal motor protector	60 - 180°C
	VDE	EN 60730-2-2	40047121	Motor protector, thermal	60 - 200°C



ST06 U1



Dimensions

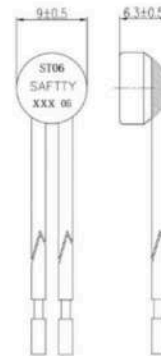


With shrink cap insulation
NST 60 - 200°C
Insulation voltage 1,5 KV

ST06 U2



Dimensions



Without cap insulation
NST 60 - 200°C

Ordering information (Please use the characters in the chart below to construct your product code)

Sample code

ST06 - A - 100 - 05 - Y3 - L2 - U1

Type

ST 06

Contact configuration

A= normally closed

Switching temp in °C

60, 65, ...,180

Tolerance

05 = ±5K

08 = ±8K

10 = ±10K

Lead wire

Y3 = Yellow AWG 18

Lead length

L1

L2

L3

L4

Insulation

U1 = Shrink cap insulation

U2 = without cap insulation

Custom options on request.