- Very compact
- Insensitive to current
- Fast response time
- High mechanical stability

Applications

Thermal overload protection of small electrical equipment, small electric motors, electromagnetic coils and others.

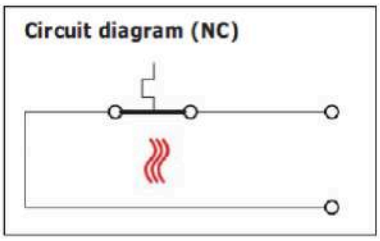
Function

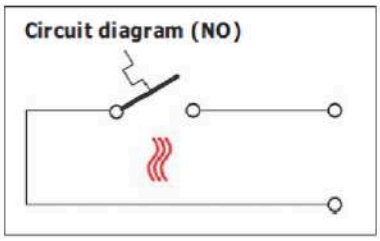
The thermal protector ST 01 operates independent from current. Temperature detection is realized by a bimteal snap disc.

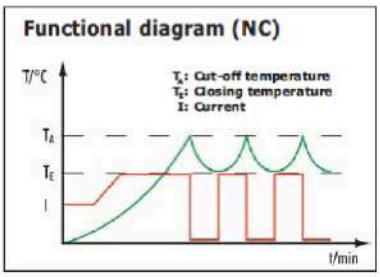
After cooling down to the snap-back temperature of the bimetal disk, the protector returns to its initial position automatically.

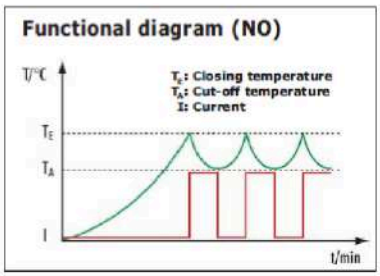
Contact configuration can be normally closed (A) or normally open (B).

Technical specifications	
Switching capacity	250V / 50Hz, 5A
Min. current	50mA
Max. switching capacity 10,000 cycles 3,000 cycles 1,000 cycles	 250 VAC, 3 A cos Φ 1,0 250 VAC, 1,0 A cos Φ 0,45 250 VAC, 6,3 cos Φ 1,0 250 VAC, 4.0 cos Φ 0,45
Switching temperature	60° C - 180° C (±5K)
Max. ambient temperature	200° C
Approvals	TÜV, CB according to IEC 60730-2-2; 2-3; 2-9, UL 211111, CQC









THERMAL PROTECTOR
ST 01

Technical information

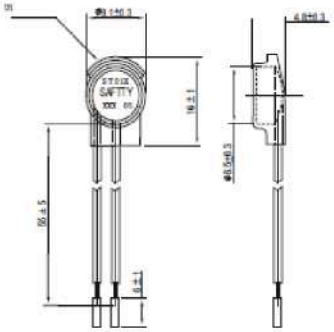
The thermal protector ST 01 is mould-proof enclosed by metal case. Its rectranular homogeneous design provides efficient, fast temperature transfer and simple assembling.

Additionally, the housing can be insulated by Mylar type (U1) or potting with Epoxy (U4).

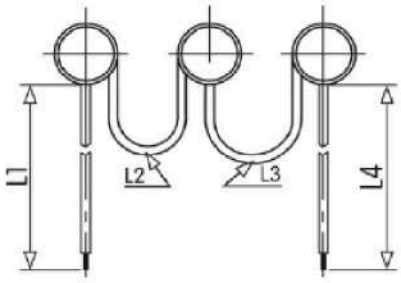
For alternative assembling the ST 01 is also available in metal case with screw M4 x 6 (U7) or plastic assembling case (U6).

Standard leads length is 55 mm (22 AWG), stripped 6 mm. Other leads (diameter, stripped etc) are available on request.

Dimensions ST 01



Other Options



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

Sample code ST01 - A - 060 - 05 - Y1 - 055 - U1

Type
ST 01

Contact configuration
A= normally closed
B = normally open

Switching temp in °C
60, 65, ...180

Tolerance
05 = ±5K
10 = ±10K

Stripped length
Y1 = Yellow AWG 22

Lead length
Standard = 55 mm
Stripped = 6 mm

Isolation
U1 = Mylar
U2 = without
U4 = Epoxy