

Thermal Protector ST 01



- very compact, constructional size
- fast response time
- high mechanical stability

Applications

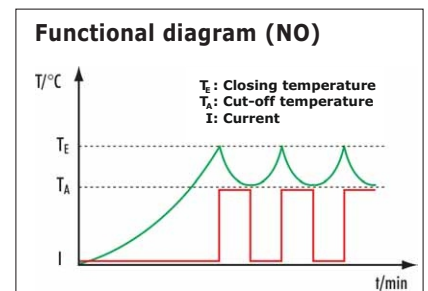
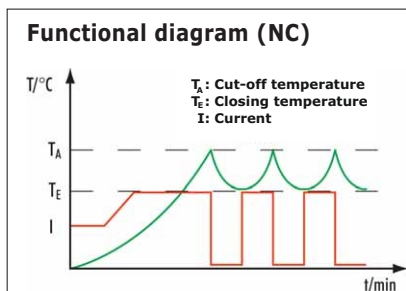
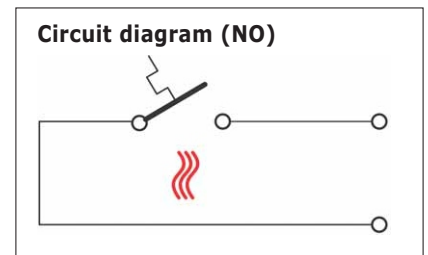
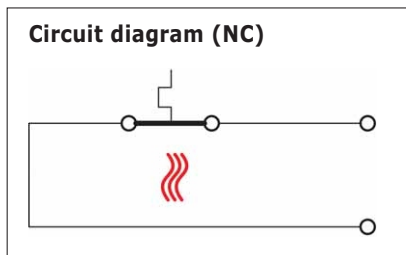
Thermal overload protection of small electrical equipment, small electric motors, electromagnetic coils and others.

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).

Function

The thermal protector ST 01 operates not current sensitive.

Temperature detection is realized by a bimetal snap disc.



Technical Data Thermal Protector ST 01

Switching Capacity	250 V / 50 Hz, 5 A	Switching Temperature	60°C - 180°C (± 5 K)
Minimum Current	50 mA	Max. Ambient Temperature	200°C
Max. Switching Capacity		Approvals	TÜV, CB nach IEC 60730-2-2; 2-3; 2-9 UL 2111 CQC
10.000 Cycles	250 VAC, 3 A cos φ 1,0 250 VAC, 1,0 A cos φ 0,45		
3.000 Cycles	250 VAC, 6,3 A cos φ 1,0		
1.000 Cycles	250 VAC, 4,0 A cos φ 0,45		

Technical Informations

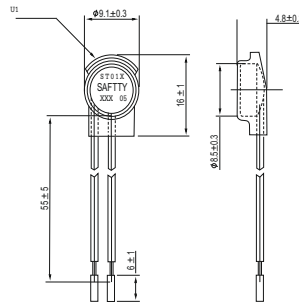
The thermal protector ST 01 is mould-proof enclosed by metal case. Its rectangular homogeneous design provides efficient, fast temperature transfer and simple assembling. Additional, the housing can be insulated by Mylar type (U1) or potting with Epoxy (U4).

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

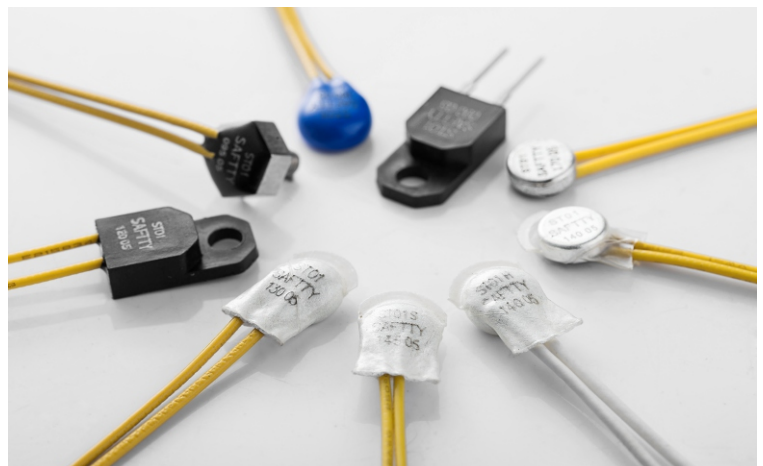
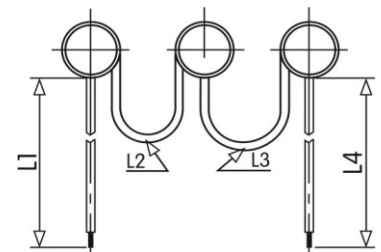
Standart leads length is 55 mm (22 AWG), stripped 6 mm.

Other leads (diameter, stripped etc.) are available on request.

Dimensions ST 01



Other Options



Coding System

ST 01 - X - XXX - XX - XX - XXX - XX

Isolation:

U1: Mylar
U2: without
U4: Epoxy
⋮

Lead Length in mm:

Standard: 55 mm
Stripped lenght: 6 mm

Standard Stripped Length:

Y1: AWG 22
Y2: AWG 24
⋮

Tolerance:

05: ± 5 K
10: ± 10 K
⋮

Operating Temperature in C: 60, 65,... -180° C

Contact Configuration: A: normally close
B: normally open

Type ST 01



Limitor GmbH
Dieselstraße 22
D-73660 Urbach

Tel. +49 (0)7181/48390-0 info@limitor.de
Fax +49 (0)7181/48390-0 www.limitor.de

manufactured: 10.08.2014 subject to change



ERMEC, S.L. BARCELONA
C/ Francisc Teixidó, 22
08918 Badalona SPAIN

Tel. +34 902 450 160
info@ermec.com
www.ermec.com

ERMEC, S.L. - MADRID
C/ Puerto Rico, 4
28222 Majadahonda (Madrid) SPAIN

bilbao@ermec.com
portugal@ermec.com