

## Temperature control thermostats TRT With capillary tube



### Benefits

- Mechanical temperature controllers
- For controlling and monitoring thermal processes
- Ideal for heat and process engineering
- Simple, robust design

### Application

Mechanical temperature controller and limiter without external power supply. The device is suitable for application areas in the field of heat and process engineering. With the liquid-filled measuring systems and the short response times, the devices lend themselves for controlling thermal processes in appliance engineering, ovens, heating and air conditioning and other industrial or domestic applications.

### Description

The temperature measured at the probe causes a change in the volume of the measuring liquid in the probe-capillary system. Electrical switching is triggered by the force acting. A thermowell allows for pressure-tight installation of the probe in various types of pressurised tanks.

### Technical specifications

**Type**  
TR2

**Operating range**  
See ordering table

**Tolerance**  
 $\pm 6 \text{ K}$  at  $20 \text{ }^\circ\text{C}$

**Influence of ambient temperature**  
 $-0.054 \text{ }^\circ\text{C}/^\circ\text{C}$

**Switching differential**  
 $\Delta T 4 \pm 1 \text{ K}$

**Adjustment angle**  
 $270^\circ$

**Probe**  
Copper  
 $\varnothing 6.5 \times 95 \text{ mm}$

**Probe element**  
Liquid-filled

**Operating temperature range**  
Housing: Max.  $90 \text{ }^\circ\text{C}$

**Capillary tube**  
Cu capillary tube with  
PVC coating, black  
Length: 1,000, 1,500 mm

**Degree of protection**  
IP 00 (EN 60529)

**Time constant**  
DIN-tested  
DIN EN  
14597:2012-09  
Registration number: TR/STB 1211

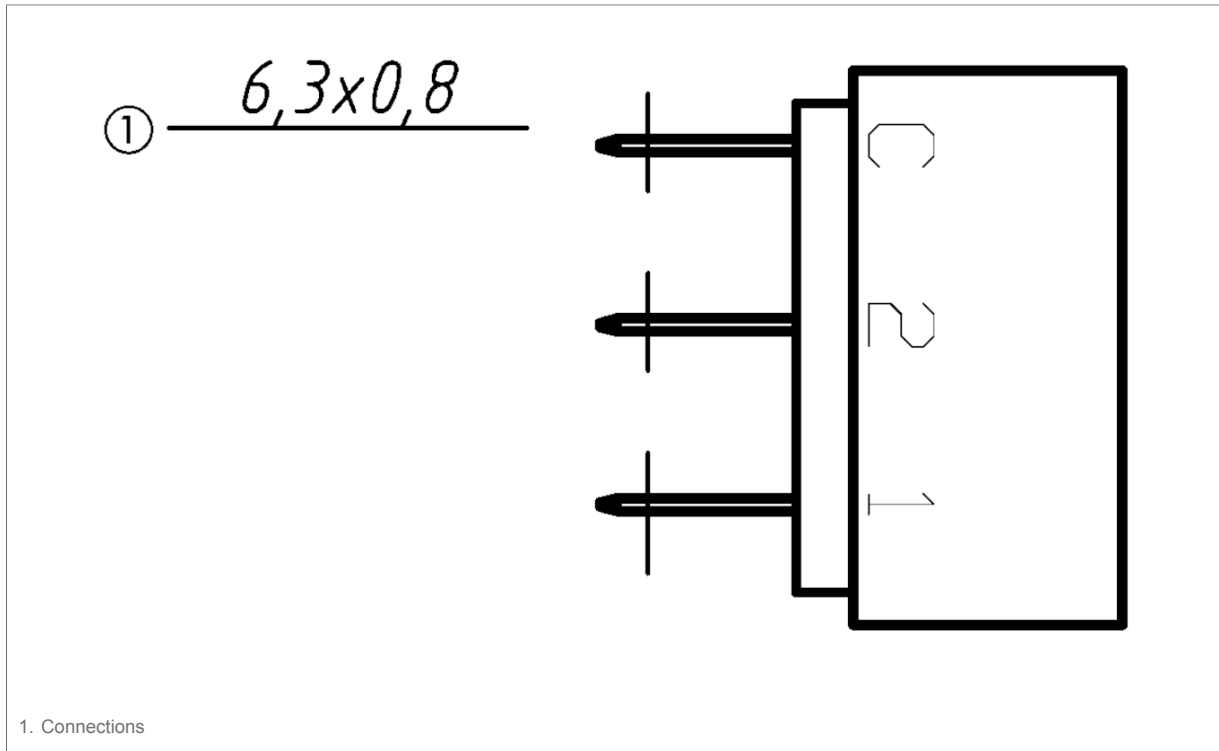
**Electrical switching contact**  
Changeover contact

**Contact rating**  
NC: AC 250 V, 16 (6) A  
NO: AC 250 V, 6 (4) A

### Options

- Other operating ranges
- Other capillary tube lengths
- Customised versions

### Detail views



### Technical drawings

