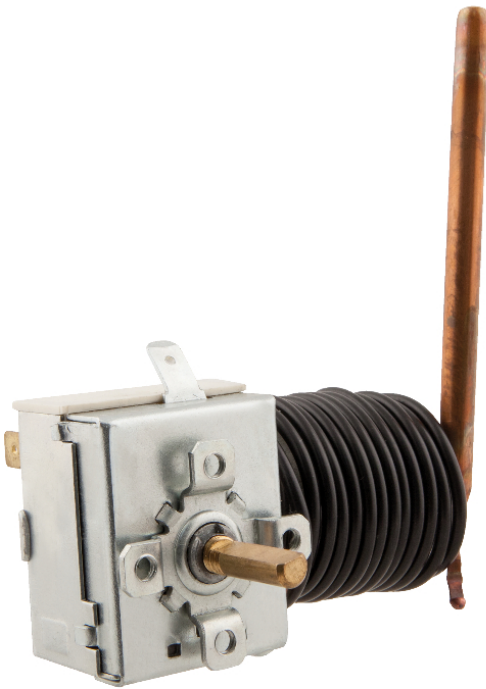


## Temperature control thermostat with capillary tube

### 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 °

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

**Probe element**  
liquid-filled

**Operating temperature range**  
Probe: max. 130 °C  
Housing: max. 90 °C

**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

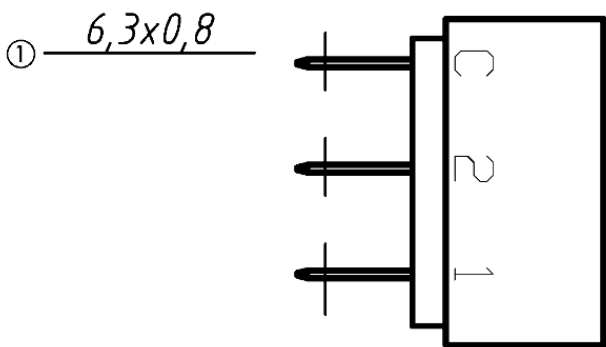
**Contact rating**  
NC: AC 250 V, 16 (6) A  
NO: AC 250 V, 6 (4) A

## Options

- other operating ranges
- other capillary tube lengths
- customised versions

## Technical Drawings

Connections (view Z)



**Dimensions (mm)**  
Connections

## Versions

|                                                  | Contact            | Operating range | capillary length |   | Part no. |
|--------------------------------------------------|--------------------|-----------------|------------------|---|----------|
| temperature control thermostat<br>TRT TR2/711 EU | Changeover contact | 0/90 °C         | 1000 mm          | ● | 67216X   |
| temperature control thermostat<br>TRT TR2/711 EU | Changeover contact | 0/90 °C         | 1500 mm          | ● | 67217X   |
| temperature control thermostat<br>TRT TR2/712 EU | Changeover contact | 10/200 °C       | 1000 mm          | ● | 67609    |

- in-stock items
- Non-stock items