

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°C

Influence of ambient temperature

$-0.054^\circ\text{C}/^\circ\text{C}$

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

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

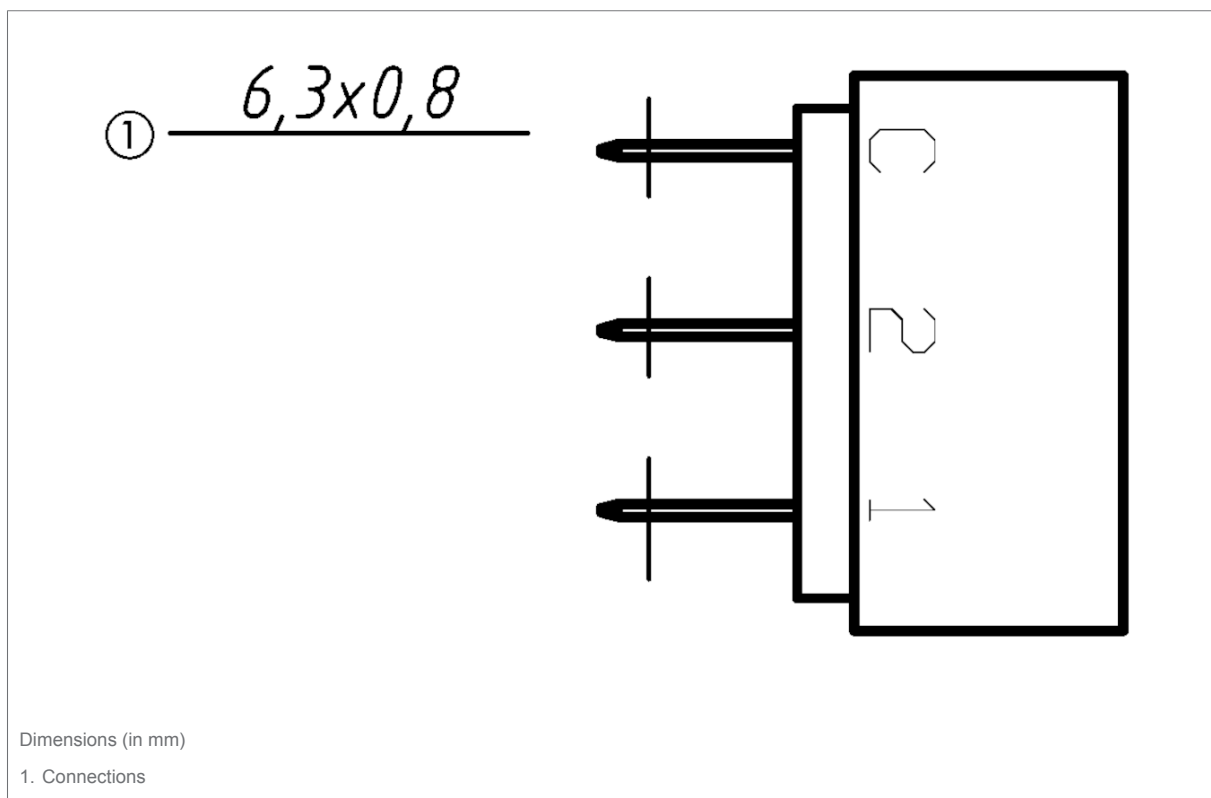


Options

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

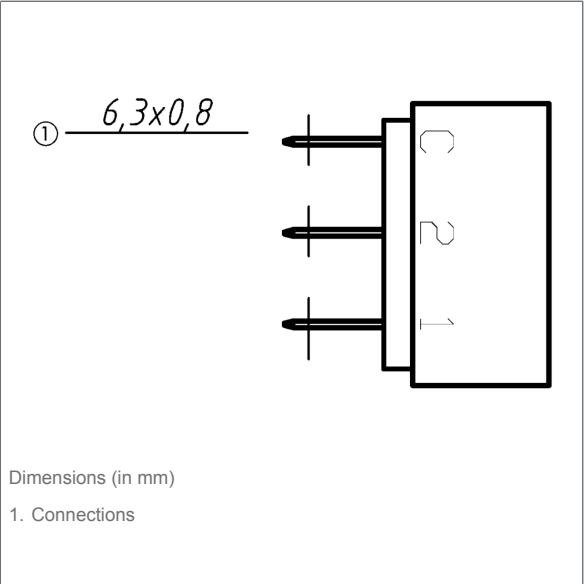
Detail views

Connections (view Z)

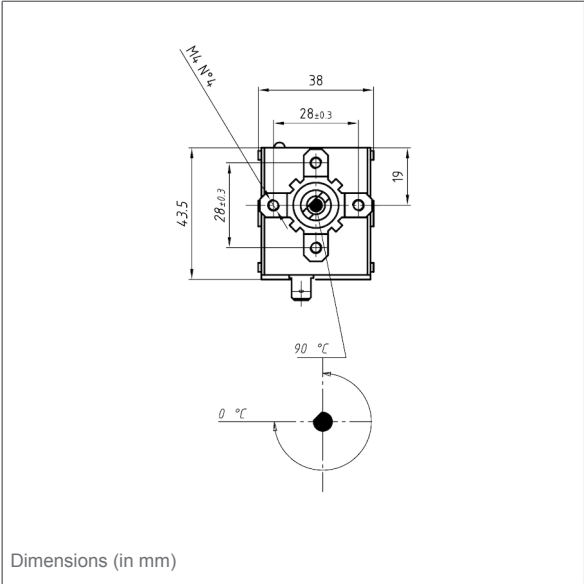


Technical drawings

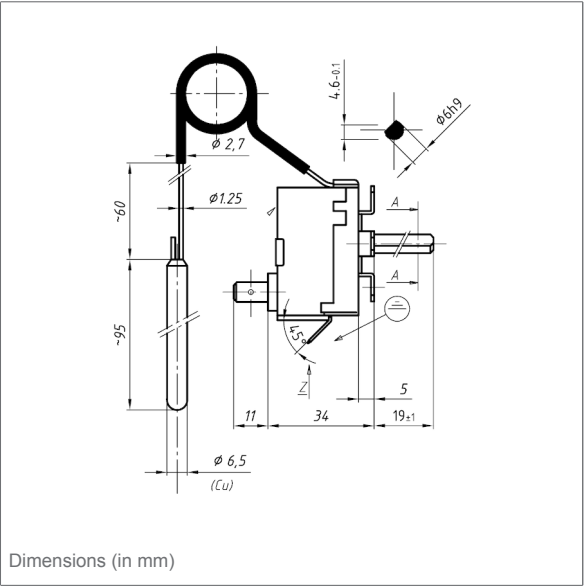
Connections (view Z)



TRT - housing dimensions and adjustment angle



TRT - housing and probe dimensions



Versions

	Contact	Operating range	Capillary length	Part no.
Temperature control thermostat TRT TR2/711 EU	Changeover contact	0/90 °C	1,000 mm	67216X
Temperature control thermostat TRT TR2/711 EU	Changeover contact	0/90 °C	1,500 mm	67217X
Temperature control thermostat TRT TR2/712 EU	Changeover contact	10/200 °C	1,000 mm	67609

Blue part no. = in-stock items