

## Control thermostat 50 .. 110°C; 3,2m

For panel mounting



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ID: 0000023159



### Application

For heat generators with temperatures up to 110 °C

### Features

Electro-mechanical thermal control (TR), approved to DIN 3440, EN 60730-1 /-2-9 and DIN EN 14597 for the control of heat generators. Manually adjustable with knob.

- S.P.S.T. (ON/OFF) and S.P.D.T. (changeover) micro switch
- Sensing system with fast response sensing element
- Time factor of the sensing element complying with DIN EN 14597
- Type 1 B (DIN EN 14597)
- Environmental condition for pollution: normal

### Order No.

005-1304 (only thermostat)

### Technical data

The following indication are valid for the standard type 55.13229.090. Due to the function, other types show different data.

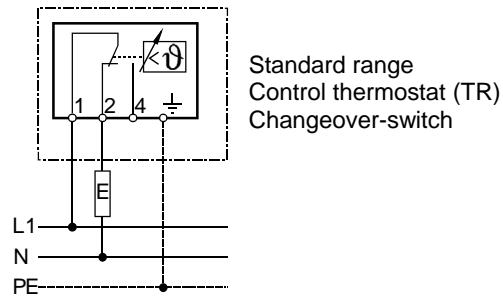
Switching system	Service life at nominal load • Nominal voltage range • Nominal current range I (I <sub>M</sub> ) Protection class Protection class of housing	100'000 operations AC 40...250 V 0.5...16 (2.6) A I according to EN 60730-1 IP00 according to EN 60529
Application range	Range Ambient temperature at switching head Thermal differential Sensing element temperature Storage and transportation temperature Minimal capillary bending radius Correction factor	50 ... 110 °C max. 150 °C (T150) 4.0 K ±2.0K max. 220°C -30...+120 °C R <sub>min</sub> = 5 mm c = 0,49 [K/K] referred to ambient temp.
Calibration	Calibration tolerance Calibrated for ambient temperature at switching head and capillary Time factor in water / in Oil	±7 K  23 ±2 °C (Tu23 according to DIN EN 14597) < 45 s / < 60 s
<b>Execution</b>	Switch system support Capillary tube Sensing element Diaphragm Capillary tube length L Electrical connection Earth terminal connection Weight	Ceramic Stainless steel Copper Stainless steel 3190 mm Faston A6.3-0.8-Br acc. DIN 46 244 Faston A6.3-0.8-Br acc. DIN 46 244 Approx. 99 gr.

## Mounting indications

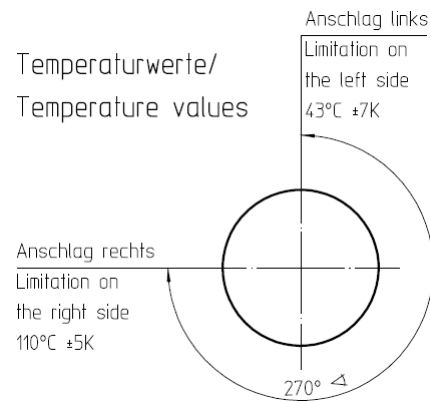
The required pocket material depends on the installation (medium, tank material etc.) and **must be specified by the user**

To comply with the time factor requirements according to DIN EN 14597, pockets must conform to drawing H 1 7111 3459 (see also data sheet "Pockets 1130")

## Wiring diagram



## Temperature values



## Dimensions

