

## Control thermostat 30 .. 90°C; 3,2m

For panel mounting



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ID: 0000023159



### Application

For heat generators with temperatures up to 90 °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.

005-1302 (only thermostat)

### Technical data

The following indication are valid for the standard type 55.13219.480. Due to the function, other types show different data.

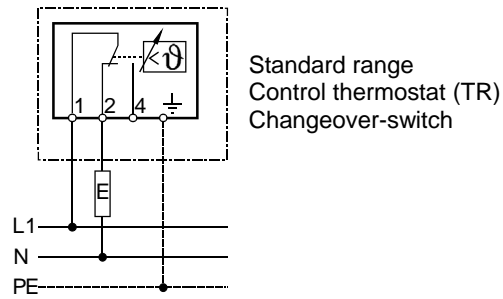
Switching system	<p>Service life at nominal load</p> <ul style="list-style-type: none"> <li>• Nominal voltage range</li> <li>• Nominal current range I (I<sub>M</sub>)</li> </ul> <p>Protection class</p> <p>Protection class of housing</p>	<p>100'000 operations</p> <p>AC 40...250 V</p> <p>0.5...16 (2.6) A</p> <p>I according to EN 60730-1</p> <p>IP00 according to EN 60529</p>
Application range	<p>Range</p> <p>Ambient temperature at switching head</p> <p>Thermal differential</p> <p>Sensing element temperature</p> <p>Storage and transportation temperature</p> <p>Minimal capillary bending radius</p> <p>Correction factor</p>	<p>30 ... 90 °C</p> <p>max. 150 °C (T150)</p> <p>4.0 K ±2.0K</p> <p>max. 220°C</p> <p>-30...+120 °C</p> <p>R<sub>min</sub> = 5 mm</p> <p>c = 0,47 [K/K] referred to ambient temp.</p>
Calibration	<p>Calibration tolerance</p> <p>Calibrated for ambient temperature at switching head and capillary</p> <p>Time factor in water / in Oil</p>	<p>±6 K</p> <p>23 ±2 °C (Tu23 according to DIN EN 14597)</p> <p>&lt; 45 s / &lt; 60 s</p>
Execution	<p>Switch system support</p> <p>Capillary tube</p> <p>Sensing element</p> <p>Diaphragm</p> <p>Capillary tube length L</p> <p>Electrical connection</p> <p>Earth terminal connection</p> <p>Weight</p>	<p>Ceramic</p> <p>Stainless steel</p> <p>Copper</p> <p>Stainless steel</p> <p>3190 mm</p> <p>Faston A6.3-0.8-Br acc. DIN 46 244</p> <p>Faston A6.3-0.8-Br acc. DIN 46 244</p> <p>Approx. 99 gr.</p>

## Mounting indications

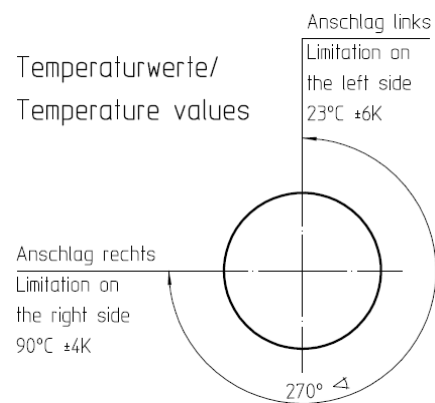
The required pocket material depends on the installation (medium, tank material etc.) and **must be specified by the user**

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

