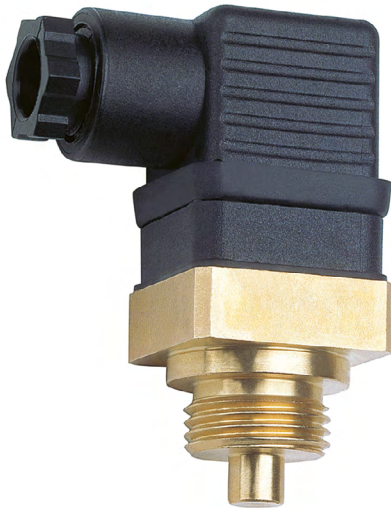




# TS-01

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## Temperature Switch



## Features

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- / Any mounting position
- / Compact design
- / Brass or stainless steel
- / Cost-effective

## Description:

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A fully compound-filled bimetallic thermostat is embedded in a fitting from brass or stainless steel. The thermostat has a temperature value set at the factory. On reaching this temperature when the sensor is fully immersed into the medium, the switch connects either as a NO-contact or a NC-contact between pins 1 and 2 of the DIN plug which is included in the delivery. On request, the plug can be provided with an additional LED which will display the switching status.

## Application:

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As a temperature switch, the TS-01 is unbeatable in its simplicity. It is widely used in various applications and it is capable of reliably monitoring temperatures with fixed switch- and return points in the narrowest of space at a very affordable price. The version made of stainless steel 1.4305 is resistant to a number of extremely hostile media, thus making the TS-01 ideally suited for applications in the chemical and petrochemical industries without any problem.



# Versions:

## TS-01 Temperature Switches

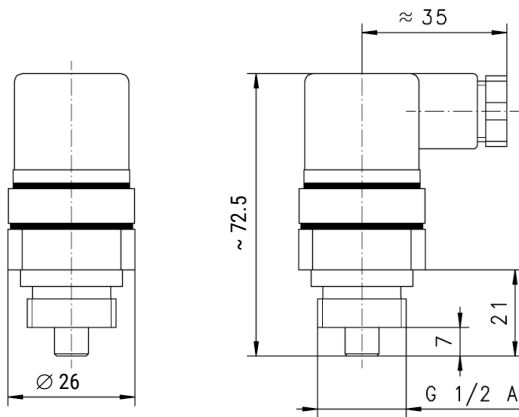
**Sensor material:** Optionally the TS-01 is available in brass or stainless steel versions

**Switching values:** The switching point can be freely selected between 40 to 120°C at intervals of 10°C

**Contact function:** The TS-01 can be supplied as NC or NO.

**Materials:** Ni-plated brass CW614N or stainless steel 1.4305, plug material PA 6.6, NBR

# Dimensions in mm:



# Technical Specifications:

<b>Connection /</b>	G1/2"-male (G3/4"-male on request)
<b>Pressure /</b>	PN100
<b>Hysteresis /</b>	10K to 20K
<b>Tolerance /</b>	+/-10K
<b>Weight /</b>	0.12 kg
<b>Mounting /</b>	sensor should be fully covered from media in front

### Media temperature /

Switch	Media temperature
40 °C	- 20...+90 °C
50 °C	-20...+100 °C
60 °C	-20...+110 °C
70 °C	-20...+120 °C
80 °C	-20...+130 °C
ab 90 °C	-20...+140 °C

# Electrical Specifications:

<b>Electrical connection /</b>	plug connection DIN 43650-A (plug type "Hirschmann")
<b>Protection class /</b>	IP65
<b>Switching load /</b>	250 VAC, 10 A
<b>Media /</b>	e.g. water, gas/air, oil
<b>Option /</b>	Tolerance selection from smaller hysteresis up to 10K

# Ordering Codes:

<b>Order number</b>	TS-01.	1.	[50].	1
<b>TS-01 Temperature Switch</b>				
<b>Sensor material /</b>				
1 = brass				
2 = stainless steel (on request)				
<b>Setpoint in °C /</b>				
[040]				
[050]				
[060]				
in 10°C steps up to 120°C				
[120]				
<b>Contact function /</b>				
1 = NO-contact				
2 = NC-contact				

# Electrical Connection:

