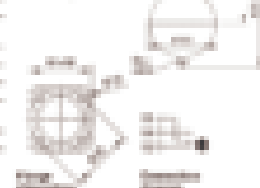
Type	
Function	2-switch control 1 switch control 1 switching point control
Measuring principle	Bi-metal, immersion
Switching point range	0 to 100 °C
Switching differential	3 to 12 K
Materials, wetted parts	
– Probe (tube)	min. 1.4571/AISI 316Ti
– Sensor	min. 1.4571/AISI 316Ti
– Coupling (immersion)	min. 1.4571/AISI 316Ti
Switching differential	with 1 NC 100 °C: 3 (adjustable) with 1 NC 100 °C: 6 (adjustable)
Materials, housing	stainless steel (1.4404/316L)
Mounting materials	immersion coupling with cone sealing ring
Process connection	see table of connection sizes
Electrical connection	Wiring system DIN EN 175 301-803 (formerly DIN 43650) with cable gland
Switch element	Bi-metal switch, DIN EN 60 730-2-9
Switch rating	250 VAC, 4 A, cos φ = 1
Protection	IP65
Weight	with 1 NC capillary: 1.2 kg with 2 NC capillary: 1.2 kg
Approvals	GOST, EAC, CCC, UL, CSA, ABS, GL, DNV



Setting the switching differential

1. For switching contact 2 (switch points)
   The switch is delivered from the factory in the minimum difference. For an adjustable switching differential, proceed as follows: The switching range that is to be used is determined on the scale and the switching point is set. Then the adjusting ring is turned to the right (clockwise) until the desired switching differential is set. Finally, the switching point is readjusted.
   Attention: The fixed values are not known. Also not with the fixed value units connected in series. Switch points are provided when ordering.
   Switch points are set at the factory according to customer specifications. If no specifications are given, switch points are set to the middle of the scale range. Switch points can be changed at any time according to need.

2. For three-way valve (1 switch point)
   Only the lower screw is used to set the switch point. Upper screw remains fixed at the zero mark. The length of the probe for each device is shown on the scale. For a differential between the switch on- and switch-off points of approx. 3 K, the lower switching differential is 1 K.

Installation

Every application has its own specific requirements. It is always necessary to check the suitability of the device with regard to the process conditions. Please observe the limits of the device. Incorrect installation can lead to malfunctions and damage to the device. The device must not be used as the only means of protection against dangerous operating conditions. The user is responsible for ensuring that the device is used correctly. Please observe the applicable regulations and standards. Please observe the applicable regulations and standards. Please observe the applicable regulations and standards. Please observe the applicable regulations and standards.

Certificates

- Declaration of conformity: EAC, CCC, UL, CSA, ABS, GL, DNV
- Test certificate 2.1