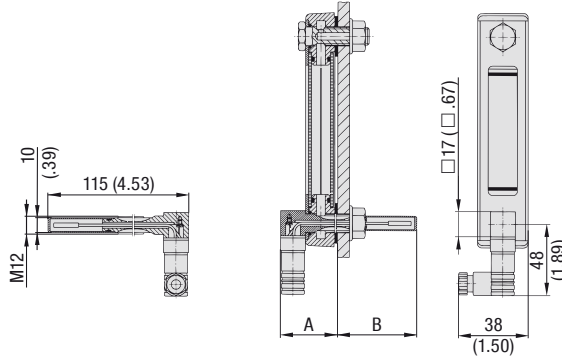
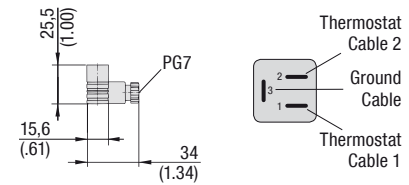


Thermo Switch - Type TS

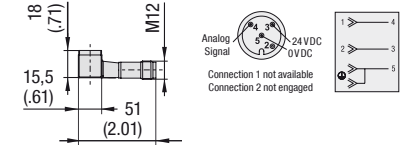


Connection Details and Electrical Functions

Types C and O: Industrial standard connector (contact gap: 9,4 mm / .37in), similar to DIN EN 175301-803-C / ISO 6952



Types CD and OD: Five-pin circular connector M12, A-coded, according to IEC 61076-2-101



Characteristics

Fluid temperature measurement in conjunction with STAUFF Level Gauges SNA, SNK and SNKK

Installation

- Replaces the lower banjo bolt of the Level Gauge
- Available for bolt size M12 only
- Clearance hole: Ø13 mm / Ø.51 in

Materials

- Metal parts made of Steel (1.0718)
- Plastic parts made of glass-fibre reinforced Polyamide (PA)

Electrical Specifications (General)

- Thermo switch is activated when the fluid temperature reaches the respective switching temperature
- Available with switching temperatures of +60 °C / +140 °F, +70 °C / +158 °F, +80 °C / +176 °F or +90 °C / +194 °F (with a switching tolerance of ±5 °C / ±9 °F and a hysteresis of 35 °C / 63 °F)
- Available as a break contact (normally closed) or make contact (normally open)
- Either equipped with industrial standard connector (types C / O) or five-pin circular connector M12 (types CD / OD)
- Thermo switch can be rotated by 360° to its final direction

Dimensions

| | Dimensions (mm/in) | |
|--------------------------------------|--------------------|----|
| | A | B |
| In conjunction with Level Gauge SNA | 39 | 76 |
| In conjunction with Level Gauge SNK | 47 | 68 |
| In conjunction with Level Gauge SNKK | 47 | 68 |

Electrical Specifications (Alternating Current)

- Maximum voltage: 250 V, 2,5 (1,6) A, 50 Hz
- Maximum current at 2000 operations: 4,0 A at cos φ = 4,45 / 250 V, 135 °C
- Maximum current at 10000 operations: 2,5 A at cos φ = 1,00 / 250 V, 150 °C
- Minimum current: 20 mA

Electrical Specifications (Direct Current)

- Maximum voltage: 42 V

Order Codes



1 Type

Thermo Switch TS for use with Level Gauges SNA, SNK and SNKK **TS-SNA/SNK**

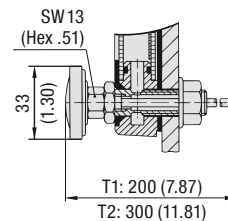
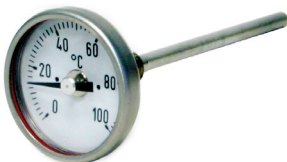
2 Electrical Function

- Break contact, opens at switching temperature (normally closed); Equipped with standard connector **O**
- Break contact, opens at switching temperature (normally closed); Equipped with connector M12 **OD**
- Make contact, closes at switching temperature (normally open); Equipped with standard connector **C**
- Make contact, closes at switching temperature (normally open); Equipped with connector M12 **CD**

3 Switching Temperature

- Contact switches at +60 °C / +140 °F **60**
- Contact switches at +70 °C / +158 °F **70**
- Contact switches at +80 °C / +176 °F **80**
- Contact switches at +90 °C / +194 °F **90**

Dial Thermometer with Probe - Types T1/T2



Characteristics

Visual fluid temperature measurement in conjunction with STAUFF Level Gauges SNA, SNK and SNKK

Nominal Sizes and Designs

- Probe lengths of 200 mm / 7.87 in or 300 mm / 11.81 in
- Scale diameter of 33 mm / 1.30 in

Please consult STAUFF for special versions.

Scale Options

- Celsius scale of 0°C ... +100 °C (types T1C / T2C)
- Dual Celsius / Fahrenheit scale of up to +100 °C / +212 °F (types T1CF / T2CF)

Materials

- Probe made of Stainless Steel V4A (1.4571)

Technical Data

- IP 65 protection rating: Dust tight and protected against water jets

Installation

- Requires a special banjo bolt (with internal M8 port for the dial thermometer with probe) to replace the lower standard banjo bolt of the Level Gauge
- Use suitable wrench (SW 13 / Hex .51) to fasten; turning on the body itself may damage the product

Please note that Dial Thermometers with Probe can only be ordered in conjunction with Level Gauges SNA, SNK and SNKK. Please see page E4 to E7 for details.