

## Type TF 11

## modular @temp

Temperature sensor according to DIN with neck pipe

### Basic features

- ▶ standard process adaption with 1/2" welding sleeve
- ▶ protective fitting with neck pipe according to DIN 43 763 made of high-grade steel, material No.1.4571
- ▶ changeable measuring element (without opening the process)
- ▶ changeable connecting head
- ▶ optional: with free programmable integrated measuring transducer 4...20 mA
- ▶ optional: calibration certificate according to DIN ISO 9000 ff (see data sheet calibr.-service)



### Technical features

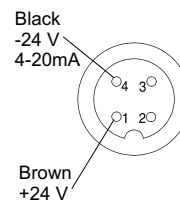
- ▶ 1 or 2xPt100 class A
- ▶ Neck pipe length = 120 mm (other length on request)
- ▶ standard-functional range -50°C to 400°C (other ranges on request)
- ▶ Alu / High-grade steel connecting head with bolting or M12-plug
- ▶ diameter of protective tube: 9 x 1 mm
- ▶ protection class (execution-dependently)
- ▶ operating pressure 30 bar max.

### Favoured fields of application are e.g.:

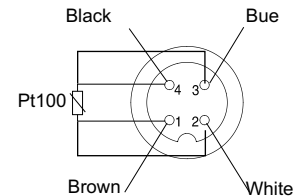
- ▶ temperature measuring in isolated containers and pipings
- ▶ standard process application in rough environment
- ▶ standard temperature measuring; measuring in positive pressure- and under inflation containers and pipings

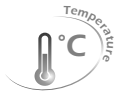
### Pin assignment M12-plug

With measuring transducer MUK



Without measuring transducer MUK





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**Order Code**

TF 11 - [ ] - [ ] - [ ] [ ] [ ] [ ] - [ ]

**Connecting head**

SB (IP54) with screw -cap	1
SBKL (IP65) with hinged lid	2
SBKS (IP54 with hinged lid quick release fastener	3
SBAKLH (IP65 with high hinged lid (for meas. transducer)	4
<b>SBVA (high-grade-steel 1.4571, IP65), small vers., screw connection</b>	<b>5</b>
<b>SBVAST (high-grade-steel 1.4571, IP65, like 5 w.o.screw conn., M12-plug)</b>	<b>6</b>
SBVAG (high-grade-steel 1.4571, IP65), large version,screw connection)	7
SBVASTG (high-grade-steel, 1.4571, IP65, like 7 w.o. scr.conn., M12-plug	8
SBVAG (high-grade-steel 1.4571, IP65) large vers. with assembly kit for 2 MT	9
SBVASTH (high-grade-steel 1.4571, IP65, like 9 w.o scr.conn, M12-plug)	10

**Fitting length (ML = mouting length), (MEL = measuring element length)**

50 mm ML (MEL = 205 mm)	<b>A</b>
100 mm ML (MEL = 255 mm)	<b>B</b>
160 mm ML (MEL = 315 mm)	C
200 mm ML (MEL = 355 mm)	D
250 mm ML (MEL = 405 mm)	E
400 mm ML (MEL = 555 mm)	F
Customized, Length <400mm, price of the next higher standard length	K
Customized, Length > 400 mm, Base price of 400 mm, + 10,00 euro per started 100 mm	

**Type of sensor and tolerance**

1xPt100, class A 3-wire	1	A	4
2xPt100, class A 3-wire	2	A	3
other type or customized classification on request			K

**Output signal**

<b>Additional name for integrated sensor-head transducer</b>	<b>MUK</b>
Specification of the temperature range	

**The red marked items are preferred types!**