Type TF 13

modular @ temp

Temperature sensor insertable and wedgable

Basic features

▶ process connection with different clamp boltings
▶ variable depth of sensor immersion
▶ changeable measuring element (without
  opening the process)
▶ changeable connecting head
▶ optional: with free programmable integrated
  measuring transducer 4...20 mA
▶ Wetting parts made of high-grade-steel
  No. 1.4571
▶ FDA conformal
▶ optional: calibration certificate according to
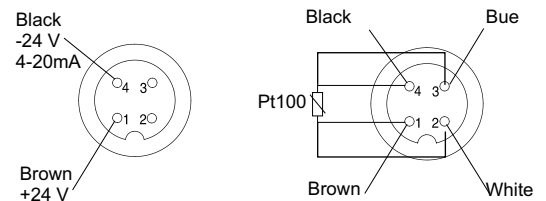 DIN ISO 9000 ff (see data sheet calibr.-service)

Technical features

▶ 1 or 2xPt100 class A
▶ sensor length from 50 mm to 2500 mm
▶ standard-functional range -50°C to 400°C
▶ alu / high-grade steel connecting head with
  bolting or M12-plug
▶ adaptable to various clamped boltings
▶ protection class: (execution-dependently)
▶ operating pressure (execution-dependently)
▶ standard protective tube Ø 6 mm

Pin assignment M12-plug

With measuring transducer MUK

Black
-24 V
4-20mA

Brown
+24 V

Without measuring transducer MUK

Black   Bue

Pt100

Brown   White

Favoured fields of application are e.g.:

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

Examples clamp boltings
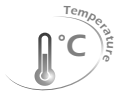

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See data sheet process connections

modular @ process

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TF 13 - ☐ **-** ☐ **-** ☐ ☐ ☐ **-** ☐ **-** ☐

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						
SBVA (high-grade-steel 1.4571, IP65), small vers., screw connection	5						
SBVAST (high-grade-steel 1.4571, IP65, like 5 w.o.screw conn., M12-plug)	6						
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 = 85 mm)		A					
100 mm ML (MEL = 135 mm)		B					
160 mm ML (MEL = 195 mm)		C					
200 mm ML (MEL = 235 mm)		D					
250 mm ML (MEL = 285 mm)		E					
300 mm ML (MEL = 335 mm)		F					
400 mm ML (MEL = 435 mm)		G					
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 4-wire			1	A	4		
2xPt100, class A 3-wire			2	A	3		
other type or customized classification on request					K		
Output signal							
Additional name for integrated sensor-head transducer						MUK	
Specification of the temperature range							
Diameter of the protective fitting							
protective fitting Ø 6 x 1 mm (standard)							6
protective fitting Ø 9 x 1 mm (optional)							9
customers preference							K

The red marked items are preffered types!

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