Temperature sensor WFI

With Mini-Fit plug // -40...125 °C



WFI

Highlights

- Cost-effective electrical connection through Mini-Fit connector
- Efficient control due to very short response times
- Application-specific installation lengths and screw-in threads possible
- High reliability due to special internal construction
- Measured values reproducible for years due to very low long-term drift

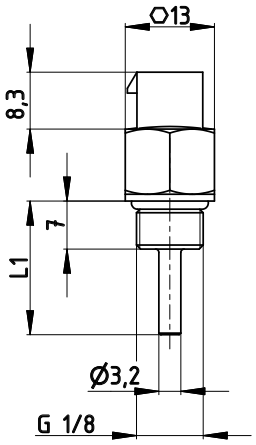
Technical data	
Type	Temperature sensor with Mini-Fit plug
Measuring range	-40…125 °C
Measuring medium	Water and aqueous liquids, non-aggressive gases
Immersion tube length	15 mm or 19.5 mm
Immersion tube diameter	3.2 mm
Process connection	G⅛
Nominal pressure	PN 25
Medium temperature	-40...125 °C
Ambient temperature	-40...105 °C
Storage temperature	-25...70 °C
Degree of protection according to EN 60529	IP30

Electrical data	
Measuring element	1 x Pt1000 / 2-wire 1 x NTC 5k
Measuring insert	Not interchangeable
Accuracy	Class B / ±(0.30 K + 0.005 x T) NTC 5k ±0.2°C in the range 0... +70°C (B25/85= 3977 K ±0.3%)
Electrical connection	Mini-Fit plug, 2-pole

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Technical drawing

WFI



All dimensions in mm

Materials

Materials	
In contact with media	
Process connection	Stainless steel 1.4571 / 1.4404
Protection tube	Stainless steel 1.4571 / 1.4404
Seal	EPDM; WRAS-, KTW-, W270 approval

Article numbers

Order code							
Type							
Resistance thermometer	SME8						
Diameter							
3.2 mm		32					
Material							
Stainless steel 1.4571 / 1.4404			0				
Sensor element							
1 x Pt1000 2-wire / Class B				P12			
1 x NTC 5k				N01			
Immersion tube length L1							
15 mm					015		
19.5 mm					019		
Electrical connection							
Mini-Fit, 2-pole						X0	
Process connection d1*							
G⅛							M
Example order number	**SME8**	**32**	**0**	**P12**	**015**	**X0**	**M**

* Other specifications available on request

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