Temperature sensor W30

With angled plug // -50...200 °C



W30

Highlights

- Safe and compact electrical connection due to DIN angled plug
- High protection class against moisture, dust and dirt ingress
- Very high vibration resistance → Reliable and long-lasting operation
- Customer-specific variant possible → Simple integration into plants / systems

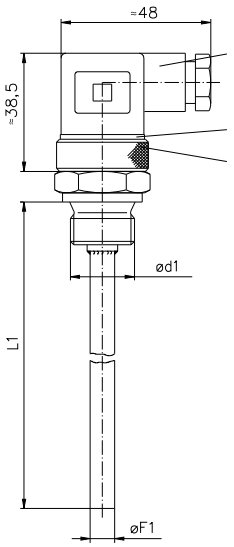
Technical data	
Type	Temperature sensor with angled plug
Measuring range	-50...200 °C
Measuring medium	Water and aqueous liquids, non-aggressive gases
Immersion tube length	50...200 mm
Immersion tube diameter	6 or 8 mm
Process connection	G½, G¾, M18 x 1.5 or M20 x 1.5
Nominal pressure	PN 25
Ambient temperature	-40...85 °C
Storage temperature	-25...70 °C
Degree of protection according to EN 60529	IP65
Approvals	
DNV	

Electrical data	
Measuring element	1 x Pt100 / 2-wire 1 x Pt100 / 3-wire
Measuring insert	Interchangeable
Accuracy	Class B / ±(0.30 K + 0.005 x T)
Electrical connection	Angled plug, DIN EN 175 301-803, Type A

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Technical drawing

W30



Connector DIN EN 175301-803
Type A
PA 6.6 (max. 125 °C)

Seal, silicone

Grip ring with knurl Ø30,
Al, anodized
or plastic nut

All dimensions in mm

Materials

Materials	
Not in contact with media	
Connection head	Plastic PA66 (Max. 125 °C)
In contact with media	
Process connection	Stainless steel 1.4571
Protection tube	Stainless steel 1.4571

Article numbers

Order code									
Type									
Resistance thermometer	W								
Diameter F1									
6 mm		06							
8 mm		08							
Material									
Stainless steel 1.4571			3						
Sensor element									
1 x Pt100 2-wire / Class B				P21					
1 x Pt100 3-wire / Class B				P31					
Immersion tube length L1									
50 mm					050				
100 mm					100				
150 mm					150				
200 mm					200				
Measuring insert									
Not interchangeable						0			
Interchangeable (only for 8 mm diameter)						2			
Electrical connection									
Angled plug type A							10		
Process connection d1									
G½								2	
M18 x 1.5								6	
M20 x 1.5								N	
G¾								3	
Options									
Type DNV									GL
Example order number	**W**	**06**	**3**	**P21**	**050**	**0**	**10**	**2**	**GL**

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