Temperature sensor W08

With angled plug M12 // -30...200 °C



W08

Highlights

- Safe and compact electrical connection via M12 right-angle 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

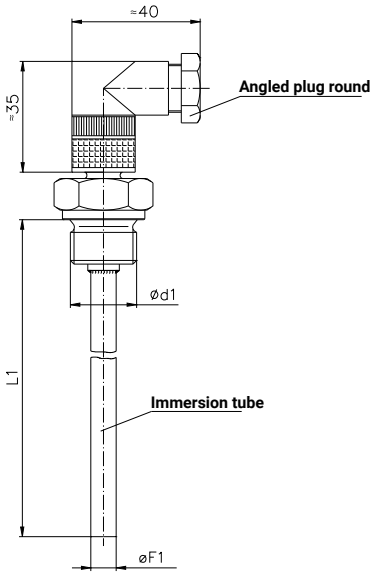
Technical data	
Type	Temperature sensor with angled plug M12
Measuring range	-30...200 °C
Measuring medium	Water and aqueous liquids, non-aggressive gases
Immersion tube length	50...200 mm
Immersion tube diameter	6 or 8 mm
Process connection	G¼, G½, M14 x 1.5 or M18 x 1.5
Nominal pressure	PN 25
Medium temperature	-30...200 °C
Ambient temperature	-40...85 °C
Storage temperature	-25...70 °C
Degree of protection according to EN 60529	IP65

Electrical data	
Measuring element	1 x Pt100 / 2-wire 2 x Pt100 / 2-wire 1 x Pt100 / 3-wire 1 x Pt100 / 4-wire
Measuring insert	Interchangeable
Accuracy	Class A / ±(0.15 K + 0.002 x T) Class B / ±(0.30 K + 0.005 x T)
Electrical connection	Angled plug M12 x 1 with knurl, 4-pole Terminal head J

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Technische Zeichnung

W08



All dimensions in mm

Materials

Materials	
Not in contact with media	
Connection head	Plastic PP or die-cast aluminium, silver painted
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				
2 x Pt100 2-wire / Class B				P22				
1 x Pt100 3-wire / Class B				P31				
1 x Pt100 4-wire / Class B				P41				
Resistance thermometer / Class A				AXX				
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 M12 round							30	
Head type J							J0	
Process connection d1								
M14 x 1.5								G
M10 x 1.0								P
G¼								L
G½								2
Example order number	**W**	**06**	**3**	**P21**	**050**	**0**	**30**	**G**

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