Temperature sensor WM8

With M8 plug // -10...80 °C



WM8

Highlights

- The sensor is intended for measuring media in heating and air-conditioning systems as well as cooling circuits of machines and systems.
- Safe and very compact electrical connection via M8 plug
- Simple alignment of the electrical connection due to optionally available union screw
- High protection class against moisture, dust and dirt ingress
- Very short response time → Ideal for controlling rapidly changing process parameters
- Very high vibration resistance → Reliable and long-lasting operation

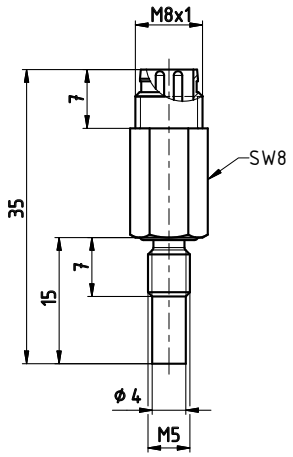
Technical data	
Type	Temperature sensor with M8 plug
Measuring range	-10…80 °C
Measuring medium	Water and aqueous liquids, non-aggressive gases
Immersion tube length	15 mm
Immersion tube diameter	4 mm
Process connection	M5 or M10
Nominal pressure	PN 10
Medium temperature	-10...80 °C
Ambient temperature	-10...80 °C
Storage temperature	-25...70 °C
Degree of protection according to EN 60529	IP65

Electrical data	
Measuring element	1 x Pt1000 / 2-wire 1 x NTC 5k
Measuring insert	Not interchangeable
Accuracy	Class A / ±(0.15 K + 0.002 x T) Class B / ±(0.30 K + 0.005 x T) NTC 5k ±0.5 °C (Beta 1 %)
Electrical connection	M8 plug, 3-pole

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Technical drawing

WM8



All dimensions in mm

Materials

Materials	
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								
4 mm		04						
Material								
Stainless steel 1.4571			3					
Sensor element								
1 x Pt1000 2-wire / Class B				P12				
1 x NTC 5k				N01				
Resistance thermometer / Class A				AXX				
Nominal length								
15 mm					015			
Measuring insert								
Not interchangeable						0		
Electrical connection								
M8, 3-pole							X0	
Process connection								
M5								L
M10 (with union screw)								X
Example order number	**W**	**04**	**3**	**P12**	**015**	**0**	**X0**	**L**

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