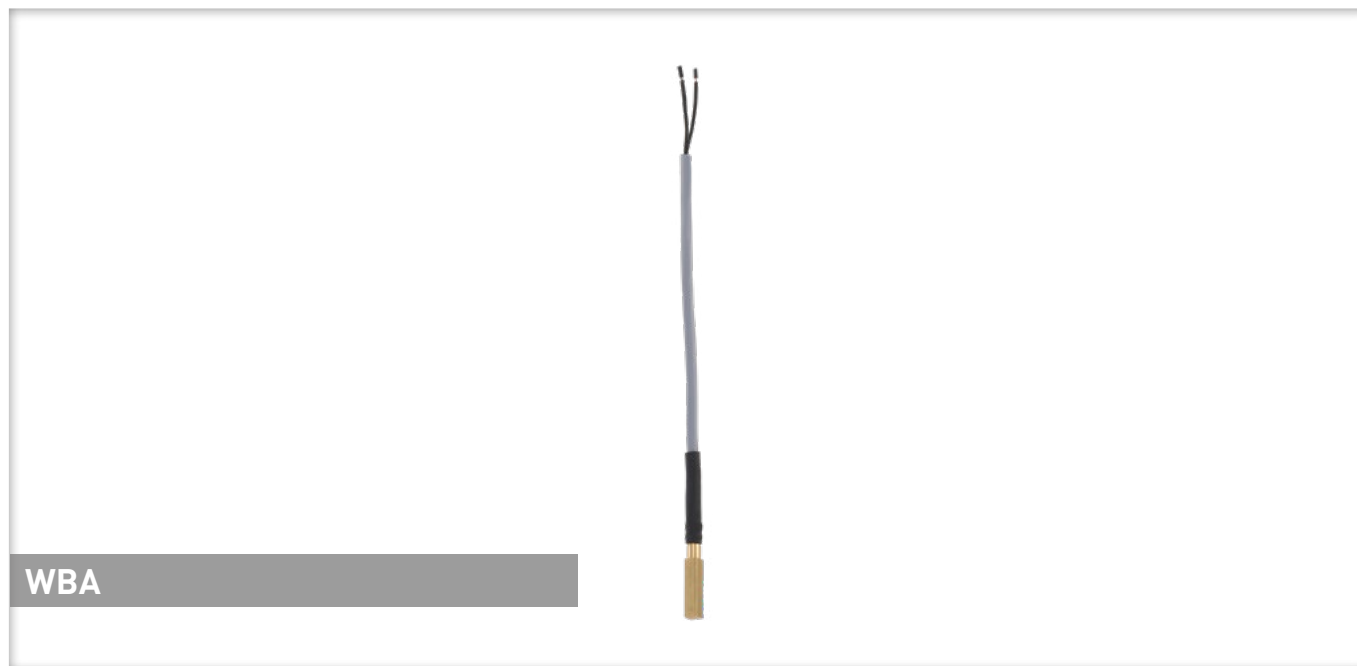


WBA // with connection cable // -50...400 °C



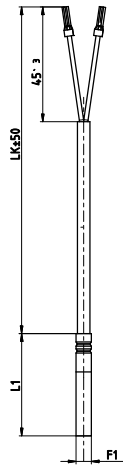
Your advantages

Type	WBA
	<ul style="list-style-type: none"> • The sensor is intended for measuring surface temperatures by installation or bonding • Optionally with bore hole for screw mounting → Quick and safe installation • Water- and vapour-tight connection of sleeve and connection cable → Enables use in harsh environments • Connection cable available with different insulation materials and shielding depending on application • High dielectric strength → Very well suited for high-voltage applications • Also available with digital 1-wire bus interface → Low cabling effort

Technical data	
Type	Temperature sensor with connection cable for surface temperature measurement
Measuring range	-50...400 °C
Measuring medium	Water and aqueous liquids, non-aggressive gases, solids
Immersion tube length	40 or 50 mm
Immersion tube diameter	SW6 or SW8
Process connection	Square to put on or glue together Square with 5 mm bore hole
Medium temperature	-50...400 °C
Ambient temperature	-40...80 °C
Storage temperature	-25...70 °C

Electrical data	
Measuring element	1 x Pt1000 / 2-wire 2 x Pt1000 / 2-wire 1 x DS18B20U+(digital) with integrated protection circuit 1 x NTC 5k
Measuring insert	Not interchangeable
Accuracy	Class A / $\pm(0.15 \text{ K} + 0.002 \times t)$ Class B / $\pm(0.30 \text{ K} + 0.005 \times t)$ Temperature sensor NTC 5k $\pm 0.5 \text{ °C}$ (Beta 1 %) Digital 1-wire bus temperature sensor $\pm 0.5 \text{ °C}$ (-10...85 °C)
Electrical connection	PVC connection Silicone cable FEP cable, optionally wire braided Databus cable 120 Ohm, shielded Radox cable, shielded

WBA

**Materials****In contact with media****Process connection**

Brass 2.0401 / 2.0402 or stainless steel 1.4571

Protection tube

Brass 2.0401 / 2.0402 or stainless steel 1.4571

Order code									
Type									
Resistance thermometer	W								
Square F1									
6 mm	06								
8 mm	08								
Material									
Brass 2.0401 / 2.0402		1							
Stainless steel 1.4571		3							
Sensor element									
1 x Pt1000 2-wire / Class B			P12						
2 x Pt1000 2-wire / Class B			P24						
1 x DS18B20U+(digital) with integrated protection circuit			E01						
1 x NTC 5k			N01						
Nominal length L1									
40 mm				040					
50 mm				050					
Electrical connection									
PVC connection					01				
Silicone cable					03				
FEP cable					05				
FEP cable, wire braided					07				
Databus cable 120 Ohm, shielded					X1				
Radox cable, shielded					X2				
Process connection									
Square to put on or glue together						0			
Square with bore 5 mm						1			
Cable length LK									
1.0 m								01	
1.5 m								02	
2.0 m								03	
2.5 m								04	
Example order number		W	06	1	P12	040	01	0	01

