



# P1K0.538.2L.B.500.U

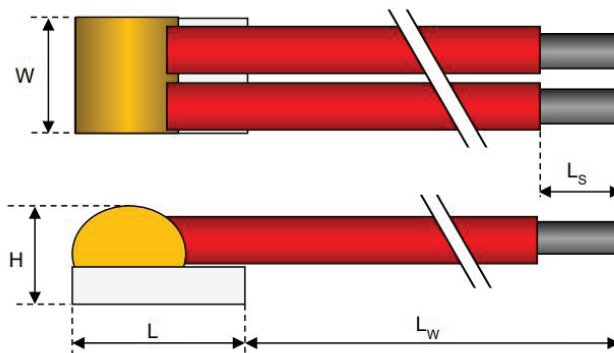
## Platinum sensor with wires

### For low temperatures

#### Benefits & Characteristics

- Excellent long-term stability
- Long isolated wires
- Low self-heating
- Fast response time

#### Illustration<sup>1)</sup>



<sup>1)</sup> For actual size, see dimensions

#### Technical Data

Operating temperature range:	-50 °C to +200 °C
Nominal resistance:	1000 Ω at 0 °C
Characteristics curve:	3850 ppm/K
Long-term stability:	< 0.04 % at 1000 h at maximal operating temperature
Tolerance class (dependent on temperature range):	IEC 60751 F0.3                      B (IST AG reference)
Connection:	Cu/Ag stranded wire, AWG20/19, PTFE insulated, 500 mm long, color: red
Recommended applied current: <sup>1)</sup>	0.3 mA at 1000 Ω
<sup>1)</sup> Self-heating must be considered	
Dimensions in mm (L x W x H x LW x LS):	5.0 x 3.8 x 2.1 x 500 x 5
Tolerance:	L ±0.2 mm, W ±0.2 mm, H ±0.3 mm, LW: ±10mm, LS ±1mm
Special:	No uncovered stranded-wires on the sensor side



## Order Information

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Description	Item number:
P1K0.538.2L.B.500.U	153067

## Additional Documents

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Application Note:	Document name:
	ATP_E



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