

Bulb type air temperature sensor

STB



Features:

- -40..+85 °C temperature range
- NTC 10k sensing element
- Complete with 2m cable
- Industrial use
- Quick and easy installation

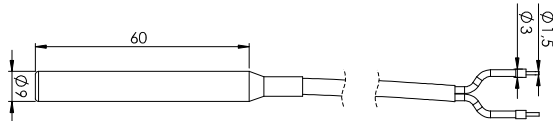
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STB sensor is intended for measuring the air temperature in various applications, such as return air in fan coil or air handling units. Sensor is NTC element based and provide resistance value dependent on the air temperature.

Installation

Install the sensor as required in particular application. End tip of the sensor casing is the sensing part.

Dimensions



Technical data

Measuring element*	NTC 10k at 25°C Beta (25/85) 3435
Measuring range	-40..+85°C
Accuracy	±1%
Protection class	IP67
Dissipation factor	3.1 mW/°C
Cable*	2m, D=4.8mm
Connections*	End sleeves, 0.5mm ² /8mm

* Other options on request

Temperature-resistance values

Temperature, °C	Resistance, kΩ
-40	204.100
-35	154.250
-30	117.680
-25	90.580
-20	70.320
-15	55.030
-10	43.400
-5	34.480
0	27.600
5	22.240
10	18.043
15	14.732
20	12.102
25	10.000
30	8.309
35	6.941
40	5.827
45	4.916
50	4.165
55	3.544
60	3.028
65	2.596
70	2.234
75	1.929
80	1.671
85	1.451