KTC111
Cable Temperature Sensor

EKeramControls®

Description

KTC111 series temperature sensor designed for the high temperature measurement in the field of HVAC and various industrial process control. The KTC111 series uses passive resistance signal output, with a variety of temperature-sensitive components, such as NTC10K, Pt100, Pt1000, etc. The IP65 cable interface can effectively guarantee the waterproof performance of the sensor.

Features

- High protection level
- Various temperature-sensitive components and cable lengths can be selected
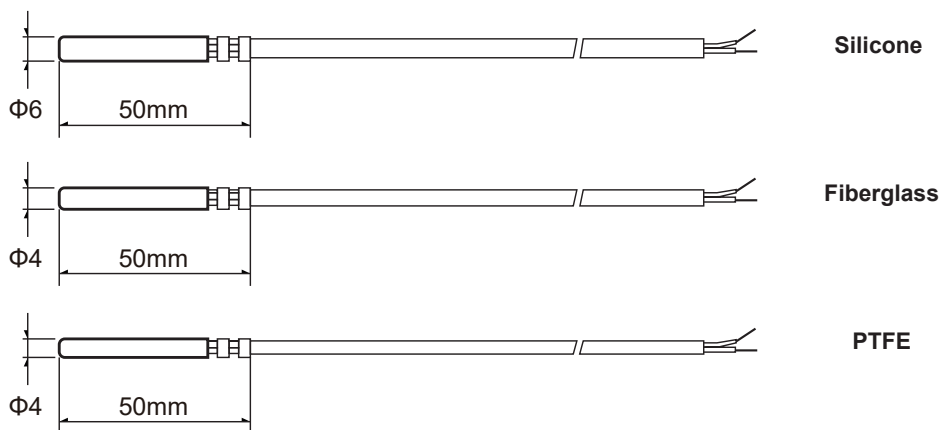- Various attachments can be selected

Applications

HVAC environmental control
Industrial process control

Technical Data

Model	KTC111	
Temperature sensor	Element	Standard resistance
	NTC10K B3435	R_{25}:10KΩ±1%
	Pt100	R_0: 100Ω
	Pt1000	R_0:1000Ω
Element connection	2 wire or 3 wire	
Cable material	Fiberglass、Silicone、PTFE	
Sensor probe material	316 stainless steel	
Protection class	IP65/NEMA4	
operating temperature	Fiberglass cable	0 ··· 350℃
	Silicone cable	-60 ··· 180℃
	PTFE cable	-20 ··· 250℃
Storage temperature	-30 ··· +70℃	

Dimensions(mm)

Φ6 · 50mm · Silicone

Φ4 · 50mm · Fiberglass

Φ4 · 50mm · PTFE

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Ordering Guide

KTC111	–	Element	–	Cable material	–	Cable length

Model	Element		Cable material		Cable length	
KTC111	NTC10K B3435	(G)	Fiberglass cable	(J)	1m	(A)
	Pt100	(H)	Silicone cable	(K)	2m	(B)
	Pt1000	(I)	PTFE cable	(L)	3m	(C)
					4m	(D)
					5m	(E)
					10m	(F)

Order Examples

KTC111-H-K-B

Model	KTC111 Temperature sensor
Element	Pt100
Cable material	Silicone cable
Cable length	2m