

EE432

Cable Temperature Sensor with Flange

Cable sensors for passive temperature measurement are used in heating, ventilation, air conditioning systems as well as for process control.

Several types of sensing elements are available, such as Pt100 and Pt1000.

The IP67/NEMA 4X protection rating is made possible by the innovative star pressing of the sensor sleeve.

The mounting flange included in the scope of supply facilitates the installation of the EE432.

Product specific information printed all along the cable allows for easy identification of the sensing element type.



Typical Applications

Building automation
Process and climate control

Features

Protection class IP67/NEMA 4X
Easy mounting

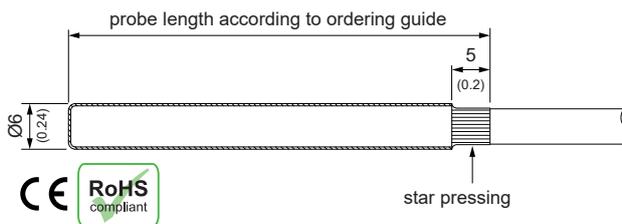
Technical Data

Operating temperature	-30...+105 °C (-22...+221 °F)			
T sensors	Sensor Type	Nominal Resistance	Sensitivity	Standard
	Pt100 DIN B	R ₀ : 100 Ω	TC: 3.850 x 10 ⁻³ /°C	DIN EN 60751
	Pt1000 DIN B	R ₀ : 1000 Ω	TC: 3.850 x 10 ⁻³ /°C	DIN EN 60751
Measurement current, typ.	< 1 mA			
T sensor connection	2-wire, 2x 0.22 mm ² , wire resistance 0.172 Ω/m (0.052 Ω/ft)			
Insulation resistance	> 100 MΩ at 20 °C (68 °F)			
Response time τ ₆₃	< 1 min, at 3 m/s (590 ft/min) air velocity			
	< 30 s, with immersion well in liquid water bath			
Sensor sleeve material	Stainless steel (1.4571 / 316Ti)			
Cable material	PVC			
Protection rating	IP67/NEMA 4X			
Storage temperature	-30...+70 °C (-22...+158 °F)			
Working and storage humidity range	5...95 %RH (non-condensing)			

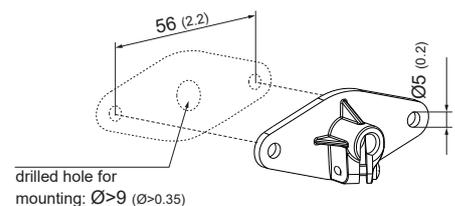
Dimensions

Values in mm (inch)

Probe



Mounting flange



Ordering Guide

T SENSOR ¹⁾		CABLE LENGTH	PROBE LENGTH
Pt100 DIN B	(TP2)	1 m (3.3 ft)	160 mm (6.3")
Pt1000 DIN B	(TP4)		
EE432-			

1) T sensor details see www.epluse.com/R-T_Characteristics.

Other passive sensor types are available on request from a minimum order quantity of 100 pcs

Order example

EE432-TP4K1L160

T sensor: Pt1000 DIN B
 Cable length: 1 m (3.28 ft)
 Probe length: 160 mm (6.3")