

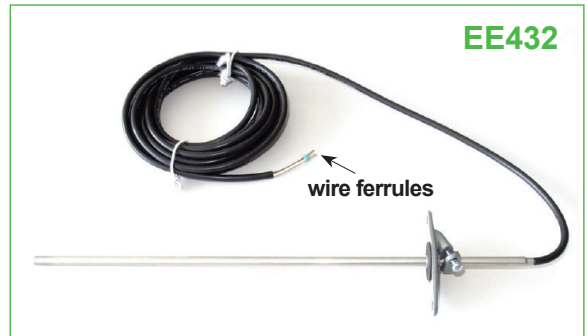
EE432

Cable Temperature Sensor with flange

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

Several types of sensing elements are available, such as Pt100, Pt1000 and Ni1000. The IP67 / NEMA 4 protection class 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

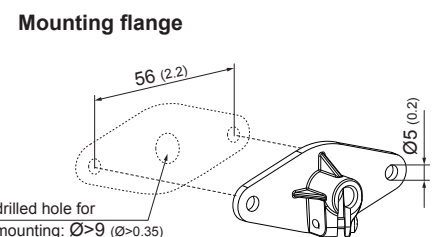
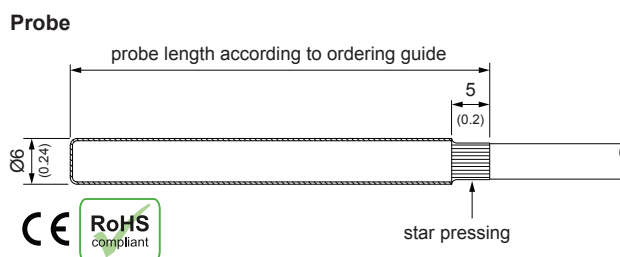
Features

Protection class IP67 / NEMA 4
 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
	Ni1000 TK5000 DIN B	R ₀ : 1000 Ω	TC: 5000 ppm/K	DIN 43760
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 class	IP67 / NEMA 4			
Storage temperature	-30...+70 °C (-22...+158 °F)			
Working and storage humidity range	5...95 % RH, no condensation			

Dimensions in mm (inch)



Ordering Guide

T-SENSOR ¹⁾	CABLE LENGTH	PROBE LENGTH
Pt100 DIN B (TP2)	1 m (3.3 ft) (K1)	160 mm (6.3") (L160)
Pt1000 DIN B (TP4)	5 m (16.4 ft) (K5)	310 mm (12.2") (L310)
Ni1000 TK5000 DIN B (TP19)		
EE432-		

1) T-Sensor Details siehe www.epluse.com/R-T_Characteristics

Order example

EE432-TP4K5L160

T-Sensor: Pt1000 DIN B
Cable length: 5 m (16.4 ft)
Probe length: 160 mm (6.3")