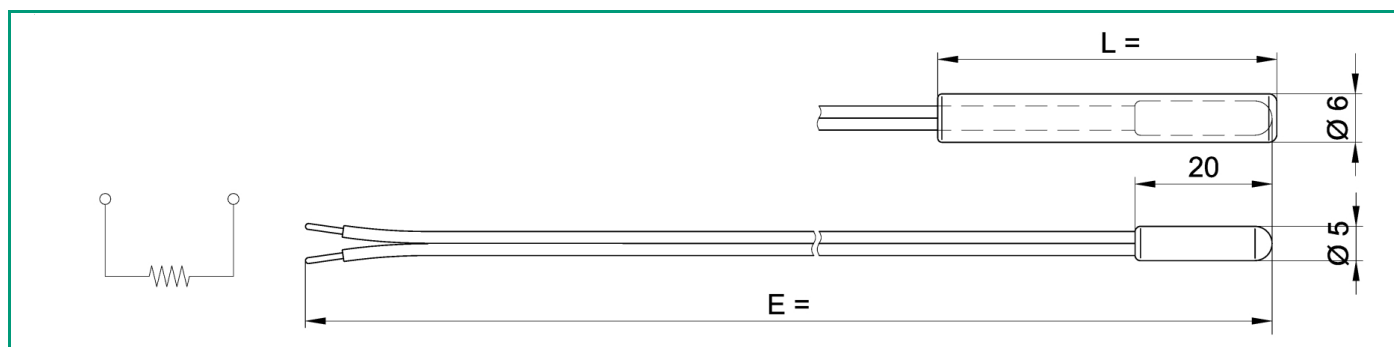


SINGLE INSULATION OVERMOULDED PROBE (UP TO 150°C)

Polyester flat cable for temperatures up to 150 °C

- ntc probe Pt 100, Pt 1000 or thermistor (NTC)
- available with a stainless steel case



TECHNICAL SPECIFICATION

Sensing element	Pt100 Ω @ 0°C Pt1000 Ω @ 0°C NTC R(25°C)=10Kohm $\pm$ 1%, beta(25/85)=3977 NTC R(25°C)=10Kohm $\pm$ 1%, beta(25/85)=3435 NTC R(25°C)= 47000 $\pm$ 2%, Beta (25/85) =4090 NTC R(25°C)=50Kohm $\pm$ 1%, beta(25/85)=3977 KTY R(25°C)=2000 Ohm $\pm$ 1% KTY R(25°C)=980÷1000 Ohm
Sensing Element configuration	single 2-wire
Output signal type	thermoresistance thermistor
Accuracy class in accordance to IEC751 (*) (*) The accuracy class is valid only in the temperature range indicated by the norm	cl. A cl. B Thermistor (not classifiable in accordance with IEC 751)
Working temperature	-30 ÷ 150°C (3000h @175°C)
Working Temperature under moisture conditions	10 ÷ 100%CRH95%
Insulation resistance	100 M Ω @ 1000 Vdc.
Dielectric strength	1500 Vac
Cable lenghts E= (subject to feasibility check)	300 mm ÷ 100 m
Plastic bulb dimension	Ø 5 x20 mm
Plastic bulb material	Thermoplastic Copolyester (OVERMOULDED TPC)
Cable conductors	copper tinned
Number of cable conductors	2
Conductor dimension	AWG 23
Conductor feature	strand (7 wire)
Primary insulation	TPC (Thermoplastic Copolyester)
Primary insulation colour	white
Cable size or external shape	form B flat wire 3.00 x 1.70 mm approx
Cable working temperature	-30 ÷ 150°C (3000h @175°C)
Working Temperature under moisture conditions	10 ÷ 100%CRH95%
Protective sheath (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step	missing, Response time < 10 seconds(*)
Response time (*) (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step	< 10 seconds
International protection marking (*) (*) According to IEC 60529	IP67

ORDER CODES

IHS#					X
Sensible element		Class		Construction	
NTC R (25°C)= 10K Ω +/- 1% beta (25/85)= 3977	01	B B		Without tube	XXXX
NTC R (25°C)= 10K Ω +/- 1% beta (25/85)= 3435	02	A A		With tube Ø6 x 50 mm	6X05
NTC R (25°C)= 4700 Ω +/- 1% beta (25/85)= 4090	79		Extension*		
NTC R (25°C)= 50K Ω +/- 1% beta (25/85)= 3977	21		550	550	
Pt 100	P1		1500	1500	
Pt 1000	P3		3000	3000	

*E = (mm). Other on request