



NTC probe PVC Part number 89750174



- Direct connection with no converter on analog input
- Low-cost temperature control solution
- Fields of application :
 - HVAC
 - Compressors
 - Geothermal systems
 - Building management
 - Swimming pools
 - Fountains

Part numbers

	Type	Description	Ohmic value	Measurement range
89750174	PVC	NTC probe PVC for Millenium 3 (24 V DC, $\pm 10\%$)	10 k Ω @ 25 °C	-25 $\rightarrow$ +85 °C

Specifications

General characteristics

Environmental characteristics

Operating temperature	-25 $\rightarrow$ +85 °C	-25 $\rightarrow$ +85 °C	-25 $\rightarrow$ +120 °C	-20 $\rightarrow$ +105 °C	-40 $\rightarrow$ +200 °C
Storage temperature	-30 $\rightarrow$ +100 °C	-30 $\rightarrow$ +100 °C	-40 $\rightarrow$ +180 °C	-40 $\rightarrow$ +105 °C	-40 $\rightarrow$ +200 °C
Accuracy	-25 $\rightarrow$ +40 °C : $\leq \pm 0,8$ °C (repeatability $\leq \pm 0,5$ °C) +40 $\rightarrow$ +70 °C : $\leq \pm 2$ °C (repeatability $\leq \pm 1$ °C) +70 $\rightarrow$ +85 °C : $\leq \pm 3$ °C (repeatability $\leq \pm 2$ °C)	-25 $\rightarrow$ +40 °C : $\leq \pm 0,8$ °C (repeatability $\leq \pm 0,5$ °C) +40 $\rightarrow$ +50 °C : $\leq \pm 1,2$ °C (repeatability $\leq \pm 1$ °C) +50 $\rightarrow$ +60 °C : $\leq \pm 1,4$ °C (repeatability $\leq \pm 1,4$ °C) +60 $\rightarrow$ +70 °C : $\leq \pm 2$ °C (repeatability $\leq \pm 2$ °C) +70 °C $\rightarrow$ +85 : $\leq \pm 3$ °C (repeatability $\leq \pm 2$ °C)	-35 $\rightarrow$ +40 °C : $\leq \pm 0,8$ °C (repeatability $\leq \pm 0,5$ °C) +40 $\rightarrow$ +70 °C : $\leq \pm 2$ °C (repeatability $\leq \pm 1$ °C) +70 $\rightarrow$ +120 °C : $\leq \pm 3$ °C (repeatability $\leq \pm 2$ °C)	-20 $\rightarrow$ +40 °C : $\leq \pm 0,8$ °C (repeatability $\leq \pm 0,5$ °C) +40 $\rightarrow$ +70 °C : $\leq \pm 2$ °C (repeatability $\leq \pm 1$ °C) +70 $\rightarrow$ +105 °C : $\leq \pm 3$ °C (repeatability $\leq \pm 2$ °C)	0 $\rightarrow$ +40 °C : $\leq \pm 3$ °C (repeatability $\leq \pm 1$ °C) +40 °C $\rightarrow$ +140 °C : $\leq \pm 2$ °C (repeatability $\leq \pm 1$ °C) +140 °C $\rightarrow$ +180 °C : $\leq \pm 3$ °C (repeatability $\leq \pm 1$ °C)

Mechanical characteristics

Cable	PVC	2 wires	Silicone (180 °C max.)	PVC (105 °C max.)	Silicone (200 °C max.)
Cable length	3000 mm	600 mm	3000 mm	3000 mm	800 mm
Protection rating	IP67	-	IP64	IP67	IP64
Isolation class	-	-	1	2	1
Dielectric strength according to IEC 335	-	1000 V AC / 1 mn	1250 V AC / 1 mn	-	2000 V AC / 1 mn

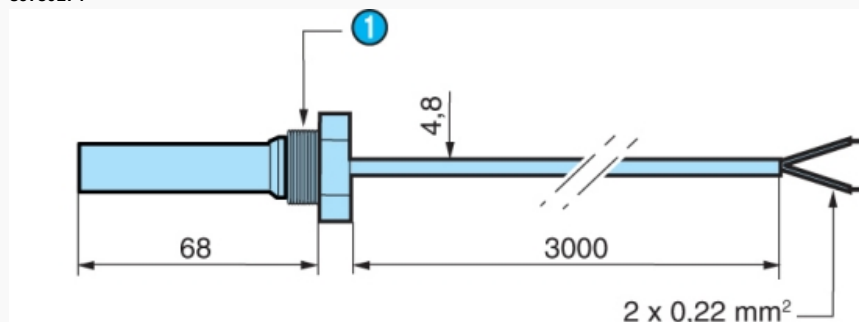
Comments

Accessories

Accessories	Operating temperature	Operating pressure	Code
Copper protective sleeve	-20 $\rightarrow$ +100 °C	10 bar	89750146
316 stainless steel protective sleeve	-20 $\rightarrow$ +400 °C	16 bar	89750147

Dimensions (mm)

89750174



N°	Legend
1	1/2 inch thread

Connections

CA 89750183

