THE DATASHEET OF

ZXLD1374QEV1

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CROUZET AUTOMATION

NTC probes Stainless Part number 89750182

- Direct connection with no converter on analog input
- Easy-to-use and low-cost temperature control solution
- Fields of application : HVAC, compressors, geothermal systems, swimming pools, fountains
- Analog input configured as a potentiometer via the NTC functions in the M3 Soft (minimum AC 5)

Part numbers

	Type	Description	Ohmic value	Measurement range
89750182	Stainless	NTC2 probe stainless 305 for Millenium 3 (24 V DC, ± 10 %)	10 kΩ @ 25 °C	-35 →+120 °C

Specifications

General characteristics

Environmental characteristics

Operating temperature	-25 →+85 °C	-25 →+85 °C	-25 →+120 °C	-20 →+105 °C	-40 →+200 °C
Storage temperature	-30 →+100 °C	-30 →+100 °C	-40 →+180 °C	-40 →+105 °C	-40 →+200 °C
Accuracy	-25 →+40 °C : ≤± 0,8 °C (repeatability ≤± 0,5 °C) +40 →+70 °C : ≤± 2 °C (repeatability ≤± 1 °C) +70 →+85 °C : ≤± 3 °C (repeatability ≤± 2 °C)	-25 →+40 °C : ≤± 0,8 °C (repeatability ≤± 0,5 °C) +40 →+50 °C : = ± 1,2 °C (repeatability ≤± 1 °C) +50 →+60 °C : = ± 1,4 °C (repeatability ≤± 1,4 °C) +60 →+70 °C : = ± 2 °C (repeatability ≤± 2 °C) +70 °C →+85 : = ± 3 °C (repeatability ≤± 2 °C)	-35 →+40 °C : ≤± 0,8 °C (repeatability ≤± 0,5 °C) +40 →+70 °C : ≤± 2 °C (repeatability ≤± 1 °C) +70 →+120 °C : ≤± 3 °C (repeatability ≤± 2 °C)	-20 →+40 °C : ≤± 0,8 °C (repeatability ≤± 0,5 °C) +40 →+70 °C : ≤± 2 °C (repeatability ≤± 1 °C) +70 →+105 °C : ≤± 3 °C (repeatability ≤± 2 °C)	0 →+40 °C : ≤± 3 °C (repeatability ≤± 1 °C) +40 °C →+140 °C : ≤± 2 °C (repeatability ≤± 1 °C) +140 °C →+180 °C : ≤± 3 °C (repeatability ≤± 1 °C)

Mechanical characteristics

Material	PVC	AS	Inox	POM (polyoxymethylene)	Silicone
Cable	PVC	2 wires	PVC (105 °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
Dimensions	Threading 1/2" Length68 mm	5 x 6 mm Length 15 mm	Ø 4,8 Length 30 mm	Ø 6 mm Length 30 mm	Ø 5 Length 30 mm

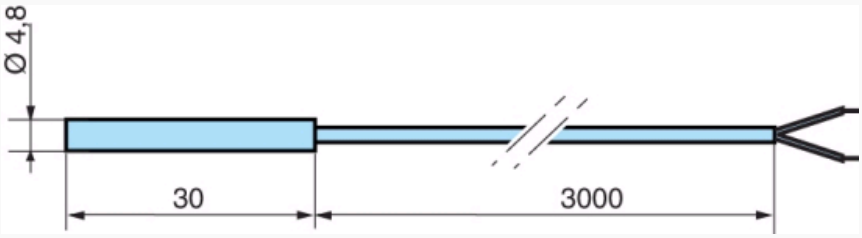
Comments

Accessories

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

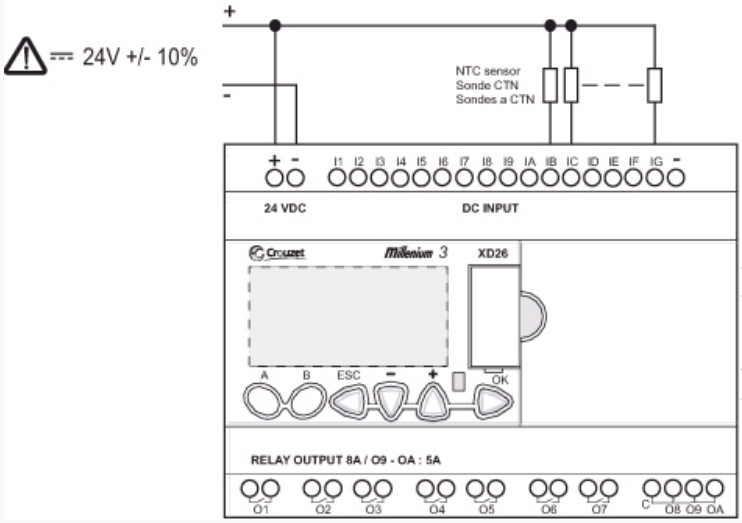
Dimensions (mm)

89750182



Connections

CA 89750183


⚠ ⎓ 24V +/- 10%
+
-
NTC sensor
Sonde CTN
Sondes a CTN
+ -
I1 I2 I3 I4 I5 I6 I7 I8 I9 IA IB IC ID IE IF IG -
24 VDC
DC INPUT
Crouzet
Millenium 3
XD26
A
B
ESC
-
+
OK
RELAY OUTPUT 8A / O9 - OA : 5A
O1
O2
O3
O4
O5
O6
O7
C
O8 O9 OA

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