

Pixsys[®]
ELECTRONICS

CODE:

PTS-N1-C6X□ -Z02

DESCRIPTION:

Temperature Sensor NTC 10K (β 3435), Thermoplastic PVC sheath, \varnothing 6 mm, 1,5 m PVC cable
EX 2000.00.200

□ = SHEATH LENGTH (L):

15 = 15 mm

SHEATH EXT. \varnothing :

6 mm

SHEATH INT. \varnothing :

RTD RESPONSE:

K = 10" in liq. V = 2 m/s

OPERATING TEMPERATURE:

-50°C / +120°C

IMMERSED MATERIAL:

Steel AISI 304

FITTING MATERIAL:

N.A.

SENSOR INSULATION:

MgO Magnesium Oxide >20Mohm @ 25°C (500Vcc)

TIP TAPERING:

NO

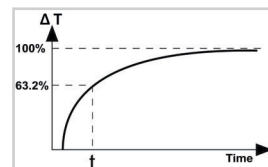
CERTIFICATION:

NO

COMPLIANCE



Temperature C°	Value Ohm	Temperature C°	Value Ohm	Temperature C°	Value Ohm
-40	188500	20	12090	80	1667
-35	144312	25	10000	85	1450
-30	111332	30	8312	90	1266
-25	86570	35	6943	95	1109
-20	67795	40	5826	100	974
-15	53464	45	4912	105	858
-10	42450	50	4159	110	758
-5	33926	55	3536	115	672
0	27279	60	3019	120	597
5	22036	65	2588	125	532
10	17959	70	2227		
15	14697	75	1924		



RTD response time with steel tube AISI-316/304 MgO insulated, conforming to B.S. 1904/1984/CEI60751. 50mm immersion in water at a speed of 1m/sec. Calculated on 63.2 % of the thermal jump, depending on stem diameter and thickness.

Pixsys srl

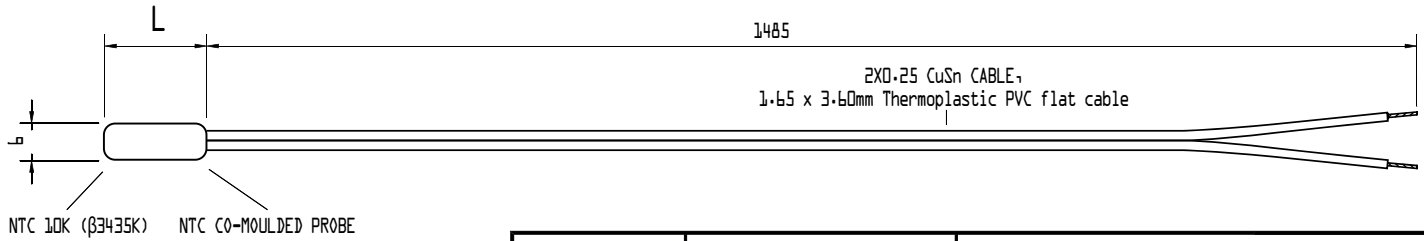
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T. MAX 120° C

Insulation: >20 MΩm @ 25° C
(500 Vcc)



GENERAL TOLERANCE EN 22768-m	DRAWER: Matteo Cardi	PROD. CODE:
LINEAR DIMENSION: mm	CONTROL: Daniele Longhin	PTS-N1-C6X □ -Z02 EX 2000.00.200
UNAUTHORIZED REPRODUCTION FORBIDDEN	DRAWING/ED.: PTS_0036	DESCRIPTION:
	REV./DATE: 00 / 30/01/2024	NTC10k3435 -6X□□□-0000-1,5PVC

Ordering Code:

PTS-□-□-□-□

Sensor type	
1B	PT100 CLASS B
KB	PT1000 CLASS B
5A	PT500 CLASS A
PK	PTC 1000 OHM
P2	PTC 120 OHM
N1	NTC 10K (β3435K)
N2	NTC 10K (β3694K)
N3	NTC 2252 (β3976K)
TH	NI100
I2	NI120
TK	THERMOCOUPLE K
TJ	THERMOCOUPLE J
TS	THERMOCOUPLE S

Process connection	
Examples:	
0	NN
1	1/8" MALE GAS FIXED UNDERHEAD
2	1/4" MALE GAS FIXED UNDERHEAD
3	1/2" MALE GAS FIXED UNDERHEAD
4	1" MALE GAS FIXED UNDERHEAD
...	
6	1/8" MALE NPT GAS FIXED UNDERHEAD
7	1/4" MALE NPT GAS FIXED UNDERHEAD
8	1/2" MALE NPT GAS FIXED UNDERHEAD
9	1" MALE NPT GAS FIXED UNDERHEAD
...	
A	1/8" MALE GAS SLIDING
B	1/4" MALE GAS SLIDING
C	1/2" MALE GAS SLIDING
D	1" MALE GAS SLIDING

Head/Cable/Connector	
Examples:	
A	HEAD DIN A
B	HEAD DIN B
C	HEAD MINI DIN
T	HEAD DIN A ATEX
X	HEAD DIN B ATEX
Y	HEAD MINI DIN ATEX
M	CONNECTOR M12 4 PIN
P	CONNECTOR HOSE
...	
1	GSC SILICONE CABLE 1,5/2m
2	PVC CABLE 1,5/2m
3	TTS CABLE 2m
4	SPECIAL CABLE 2m
5	GSC SILICONE CABLE 3m
6	PVCC CABLE 3m
7	TTS CABLE 3m
8	SPECIAL CABLE 3m
9	FREE
Z	CUSTOM

Sheath diameter and length (S x L)	
Examples:	
6X100	Ext. Ø 6 mm x 100 mm
6X200	Ext. Ø 6 mm x 200 mm
6X300	Ext. Ø 6 mm x 300 mm
6X400	Ext. Ø 6 mm x 400 mm
8X250	Ext. Ø 8 mm x 250 mm
4X050	Ext. Ø 4 mm x 50 mm
AX150	Ext. Ø 10 mm x 150 mm
6X1M0	Ext. Ø 6 mm x 1 m
C6X15	Co-moulded 6 x 15mm
...	

Sheath material	
A	STEEL AISI304 SHEATH
B	STEEL AISI316 SHEATH
C	STEEL AISI308 SHEATH
M	STEEL AISI304 SHEATH, MgO INSULATION
N	INCONELL600 SHEATH
K	SINGLE CERAMIC SHEATH
Y	DOUBLE CERAMIC SHEATH
Z	THERMOPLASTIC PVC

Cable material properties:

Cable material	Temperature C°		Abrasion resistance	Resistance to moisture	Flame behaviour
	Operating range	Istantaneous			
PVC	-30 / +105	+105	Good	Good	Self Extinguishing
GSC Silicon Rubber	-40 / +250	+250	Sufficient	Fair	Self Extinguishing
TFE Teflon	-200 / +260	+310	Excellent	Excellent	Self Extinguishing
KAP Kapton	-200 / +400	+440	Fair	Good	Self Extinguishing
TTS Fiberglass	-200 / +500	+500	Mediocre	Mediocre	Non Combustible
TTC Ceramic fiber	+1000	+1100	Mediocre	Mediocre	Non Combustible