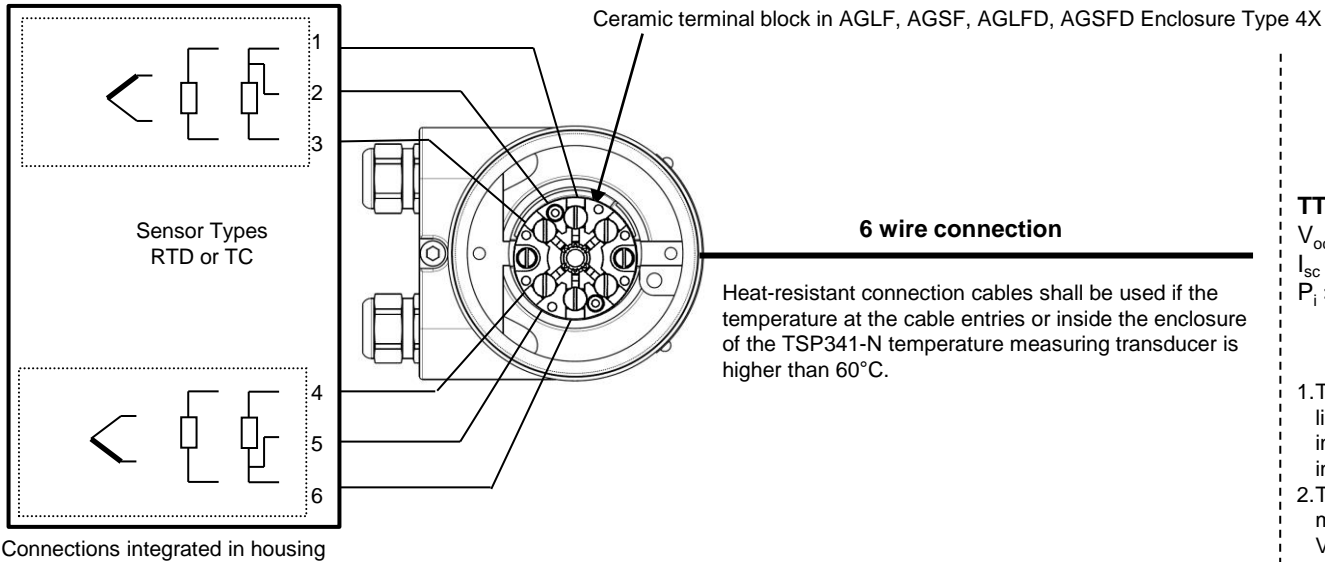


Hazardous Location

Measuring inset
2 RTD's or TC.
which are simple
apparatus: neither
generate nor store
more than
1.5 V; 0.1 A; 25mW
resp. 20 μJ.

L_o and C_o are
negligible
(Wire length
< 1500 mm)



TTF300-N

$$V_{oc} \leq 6.5 \text{ V DC ;}$$

$$I_{sc} \leq 25 \text{ mA ;}$$

$$P_i \leq 38\text{mW}$$

1. Transmitter must be FM approved (US) or listed for Canada (cFM/CSA) and must be installed in accordance with manufacturers instructions.
2. Transmitter sensor and cable parameters must meet the following Requirements :

V_{oc} or $V_t \leq V_{max}$;	$C_a \leq C_i + C_{cable}$;
I_{sc} or $I_t \leq I_{max}$;	$L_a \leq L_i + L_{cable}$
P_o or $P_t \leq P_{max}$	
3. Install in accordance with the CE Code CSA C22.1 61010-1, or NEC (ANSI/NFPA 70) and ANSI/ISA RP12.06.01 " Part 1: Intrinsic Safety"

Surface Temperature pipe T_{surf}	Maximum allowable Ambient temperature at enclosure T_{amb}			
	Aluminium enclosure		Stainless Steel enclosure	
	Pipe without insulation	Pipe with insulation	Pipe without insulation	Pipe with insulation
T6,T5 72°C/87°C	68°C	71°C	70°C	73°C
T4 122°C	112°C	116°C	110°C	116°C
T3 187°C	106°C	113°C	99°C	109°C
T2 282°C	97°C	109°C	84°C	100°C
T1 432°C	83°C	102°C	61°C	85°C

FM intrinsically safe field circuit approval

Class I,II,III Div. 1 and Div. 2; Groups A,B,C,D,E,F,G
Class I Zone 0 AEx/Ex ia IIC

Temperature Sensor Model "TSP341-N" Ordering Code "TSP341-NL1Y" contains a ceramic terminal block, that is installed in an enclosure type AGLF, AGSF or AGLFD, AGSFD

Warning:

The apparatus enclosure AGL... contains aluminum and is considered to constitute a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.

1.00	release	2023-06-30	Peterich	<div style="font-size: 2em; font-weight: bold; margin: 0;">ABB</div> Automation Products			
Rev.	Desc.	Date	Name				

Do not alter without
FM authorization

Approv.	2023-06-30	Peterich
Date	Name	

Title:	Scale:
TSP341-N I.S. no transmitter Control Drawing	-----
Drawing / Part No.:	Page : of
TSP341-N-L1Y	1 / 1
Replacement of: -----	