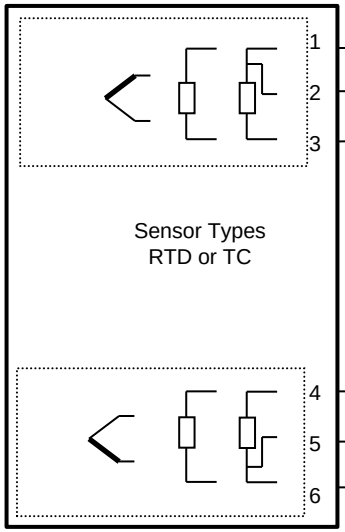
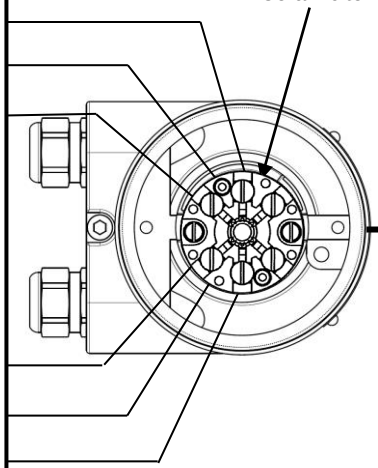
Hazardous Location

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)



Connections integrated in housing



6 wire connection

Heat-resistant connection cables shall be used if the temperature at the cable entries or inside the enclosure of the TSP341-N temperature measuring transducer is higher than 60°C.

TTF300-N
$V_{oc} \leq 6.5$ V DC ;
$I_{sc} \leq 25$ mA ;
$P_i \leq 38$mW

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	92°C	96°C	96°C	96°C
T3 187°C	86°C	86°C	93°C	89°C
T2 282°C	77°C	77°C	79°C	80°C
T1 432°C	63°C	63°C	89°C	65°C

FM Nonincendive field circuit approval

Class I,II,III Div. 2; Groups A,B,C,D,E,F,G
Class III
Class I Zone 2 AEx/Ex nA IIC T6,T4 Gc
Class I Zone 2 AEx/Ex ec IIC T6,T4 Gc

Temperature Sensor Model "TSP341-N" Ordering Code "TSP341-N-L2Y" contains a ceramic terminal block,
that is installed in an enclosure type AGLF, AGSF or AGLFD, AGSFD

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'

Rev.	Desc.	Date	Name
1.00	release	2023-07-17	Peterich

Do not alter without FM authorization

	Date	Name
Approv.	2023-06-30	Peterich

Automation Products

Title: TSP341-N
N.I. no transmitter
Control Drawing

Scale: -----

Drawing / Part No.: TSP341-N-L2Y

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Replacement of: --------