Intrinsically safe Installation

Class I, Div. 1 & 2, Groups A, B, C and D; Class II, Div. 1 & 2, Groups E, F and G; Class III, Div 1 & 2;
Type 4X:
Ex ia IIC T4 ... T6

The transmitter series are approved for Class I, Zone 0, applications. If connecting Ex [ib] associated Apparatus or
Ex ib I.S. Apparatus to the transmitter series the I.S. circuit is only suitable for Class I, Zone 1, or Class I, Zone 2,
and is not suitable for Class I, Zone 0 or Class I, Division 1, Hazardous (Classified) Locations.

Supply and signal circuit (terminals signal +,-) :

Vmax / Ui = 30 V     Ci = 10nF
Imax / Ii = 130 mA   Li = 0.5mH
Pmax / Pi = 0.8 W
for T4 with Ta = (-40...+85) °C
for T5 with Ta = (-40...+71) °C
for T6 with Ta = (-40...+56) °C

Indicator Terminals (JP1):

Voc/Uo = 6.2V      Co = 1.4 μF
Isc/Io = 65.2mA   Lo = 5 mH
Po = 101mW

Hazardous locations

Non-hazardous locations

Associated apparatus
1. Barriers must be CSA certified and must be installed in accordance with manufactures instructions.

2. Barrier parameters must meet the following requirements:

Voc or Uo <= Ui or Vmax
Isc or Io <= Ii or Imax
Po <= Pi
Co / Ca >= Ci + Ccable
Lo / La >= Li + Lcable

3. Maximum non-hazardous area voltage must not exceed 250 V.

4. Install in accordance with the CEC, Part I. Do not alter without CSA authorization.

5. WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.
Non - Incendive Installation

Class I, Div. 2, Groups A, B, C and D; Type 4X

Supply and signal circuit (terminals signal +,-) :

\[ V_{\text{max}} / U_i = 30 \, \text{V} \quad C_i = 10 \, \text{nF} \]
\[ I_{\text{max}} / I_i = 130 \, \text{mA} \quad L_i = 0.5 \, \text{mH} \]
\[ P_{\text{max}} / P_i = 0.8 \, \text{W} \]
for T4 with \( T_a = (-40...+85) \) °C
for T5 with \( T_a = (-40...+71) \) °C
for T6 with \( T_a = (-40...+56) \) °C

Indicator Terminals (JP1):

\[ V_{oc}/U_o = 6.2 \, \text{V} \quad C_o = 1.4 \, \mu \text{F} \]
\[ I_{sc}/I_o = 65.2 \, \text{mA} \quad L_o = 5 \, \text{mH} \]
\[ P_o = 101 \, \text{mW} \]

Hazardous locations

Non-hazardous locations

Associated apparatus

1. Barriers must be CSA certified and must be installed in accordance with manufacture's instructions.

2. Barrier parameters must meet the following requirements:
   \[ V_{oc} \text{ or } U_o \leq U_i \text{ or } V_{\text{max}} \]
   \[ I_{sc} \text{ or } I_o \leq I_i \text{ or } I_{\text{max}} \]
   \[ P_o \leq P_i \]
   \[ C_o / C_a \geq C_i + C_{\text{cable}} \]
   \[ L_o / L_a \geq L_i + L_{\text{cable}} \]

3. Maximum non-hazardous area voltage must not exceed 250 V.

4. Install in accordance with the CEC, Part I. Do not alter without CSA authorization.

5. WARNING: EXPLOSION HAZARD-SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS 1, DIVISION 2.

6. Transmitter case must be connected to supply source ground with either of the following methods:
   (a) Via Grounding Terminal (optional) the Transmitter must be connected to supply source ground.
   (b) Transmitter must be mounted directly on a conductive structure which is connected to supply source ground.

ABB

THIS DRAWING IS THE PROPERTY OF ABB AUTOMATION PRODUCTS GMBH NEITHER THE DRAWING NOR REPRODUCTIONS OF IT, NOR INFORMATION DERIVED FROM IT, IS TO BE GIVEN TO OTHERS, NO USE IS TO BE MADE OF IT WHICH IS OR MAY BE INJURIOUS TO ABB AUTOMATION PRODUCTS GMBH

CSA

Control- Drawing

ABB Automation Products GmbH

NON - INCENDIVE INSTALLATION

Date: 22.06.2006
Pressure Transmitter 2600T Series Model 261
Part No.: A 05 M 595 V
Sheet 2 of 3
Rev. 1
Division 2 Installation

Suitable for
Class I, Div. 2, Groups A, B, C and D
Class II, Div. 2, Groups E, F and G
Class III, Div. 2
Type 4X
when installed as per the wiring methods of the CEC, Part I

1. Install in accordance with the CEC, Part I. Do not alter without CSA authorization

2. WARNING: EXPLOSION HAZARD -- DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NON-HAZARDOUS.

3. WARNING: EXPLOSION HAZARD -- SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.

4. Transmitter case must be connected to supply source ground with either of the following methods:
   (a) Via Grounding Terminal (optional) the Transmitter must be connected to supply source ground.
   (b) Transmitter must be mounted directly on a conductive structure which is connected to supply source ground.