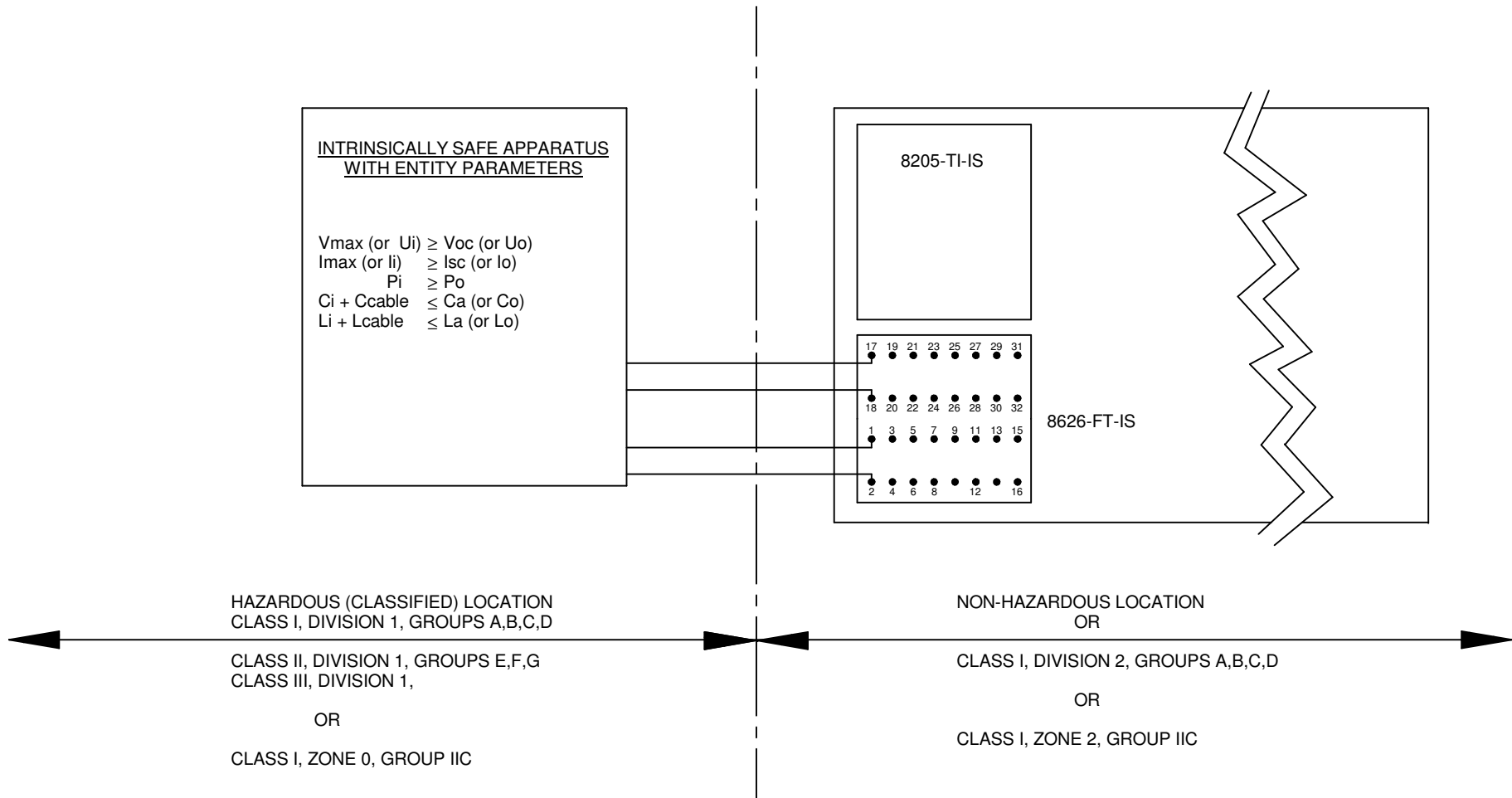


INSTALLATION DRAWING FOR THE 8206-TI-IS TEMPERATURE INPUT MODULE RTD/ Ω INPUT



NOTES.

1. The 8206-TI-IS may only be mounted on the 8720-CA-04 or 8727-CA-08 I/O Module carriers and may only be used in conjunction with the 8626-FT-IS field terminal.
2. The Installation must be in accordance with the Canadian Electrical Code, Part 1, Appendix F.
3. If connected to Ex ib I.S. Apparatus, the resulting I.S. Circuit is only suitable for Class I, Zones 1 and 2 Hazardous Locations and NOT Class I, Zone 0.
4. Each channel of the 8206-TI-IS may be connected to apparatus which does not generate or store more than 1.2V, 0.1A, 25mW or 20μJ such as switches, thermocouples, LEDs and RTD devices, provided that cable parameters meet the following criteria :-

$$C_o \geq C \text{ cable} \quad L_o \geq L \text{ cable}$$

Alternatively each channel of the 8206-TI-IS may be connected to CSA Certified intrinsically safe apparatus suitable for use in Zone 0 hazardous locations in accordance with the following :-

$$U_o \leq \text{Apparatus } U_i \text{ (Vmax).} \quad I_o \leq \text{Apparatus } I_i \text{ (Imax)}$$

$$C_o \geq C_i + C \text{ cable} \quad L_o \geq L_i + L \text{ cable}$$

For each channel, for either voltage input option or potentiometer input option, the following parameters apply.

Parameters for ALL Channels together

$$\begin{aligned} V_{oc} (U_o) &= 16.4V \\ I_{sc} (I_o) &= 350mA \\ P_o &= 718mW \end{aligned}$$

Group	Capacitance (μF) Ca (Co)	Inductance (mH) La (Lo)
A/B (IIC)	0.39	0.3
C/E (IIB)	2.47	1.3
D,F,G (IIA)	9.96	2.42

7. The 8206-TI-IS may be removed from, or inserted onto, the carrier whilst the carrier remains energised. It is preferable if removal and insertion are performed when the area is known to be non-hazardous.
8. Each of the field devices connected to the 8206-TI-IS shall satisfy the 500V dc insulation requirement with respect to any other 8000 series I/O forming part of the same installation.
9. Channel/Field Terminal assignments are shown below. Terminal nos. are those of the 8626-FT-IS.

<u>Channel</u>	<u>Terminal Nos.</u>
1	1,2,17,18
2	3,4,19,20
3	5,6,21,22
4	7,8,23,24
5	9,10,25,26
6	11,12,27,28
7	13,14,29,30
8	15,16,31,32