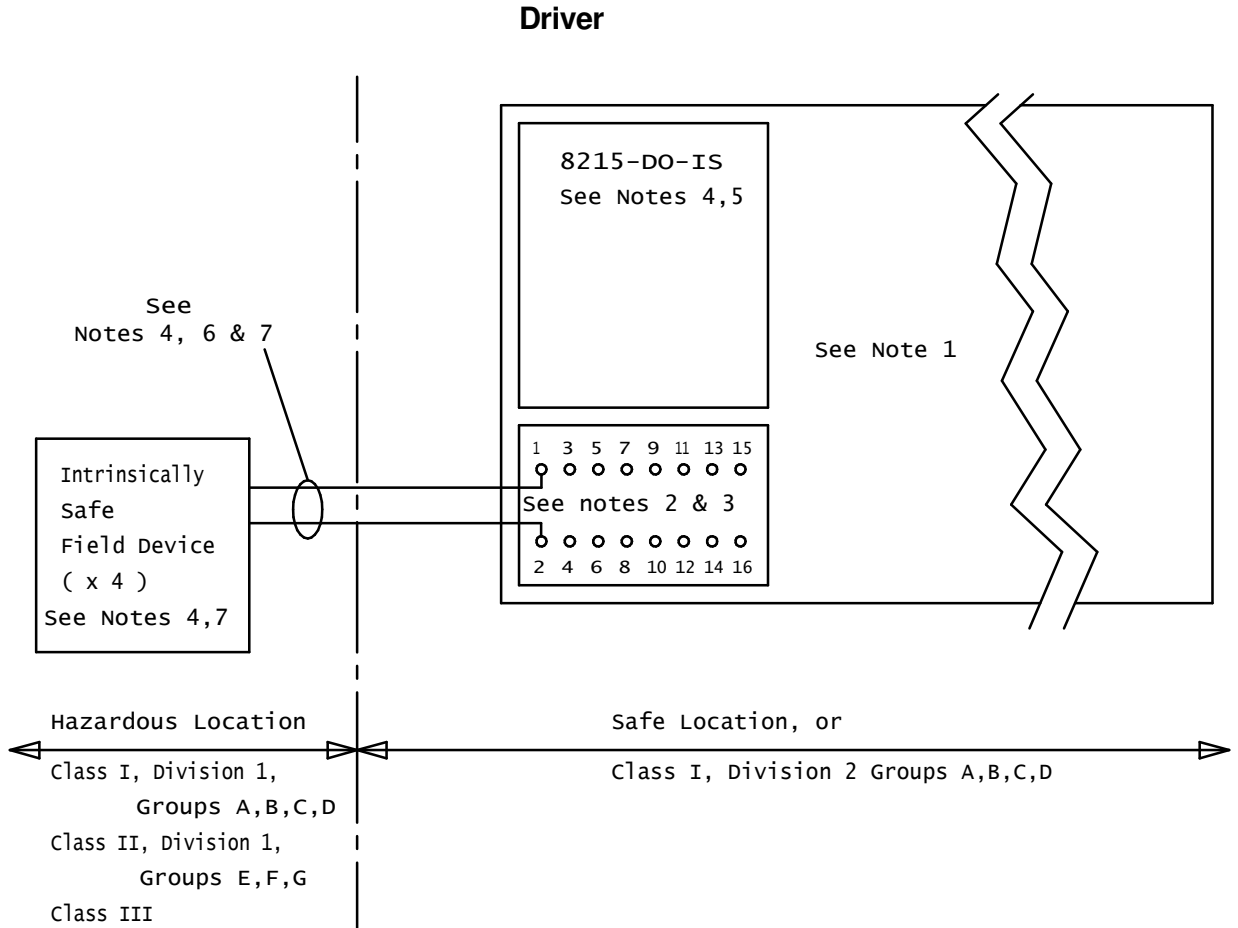


Installation Drawing for the 8215-DO-IS 4-Channel Discrete Output Module, Solenoid Driver



Notes

1. The 8215-DO-IS Discrete Output Module may only be mounted on either the 8720-CA-04 or the 8727-CA-08 I/O module carriers.
2. The 8215-DO-IS may be used in conjunction with either the 8621-FT-IS or the 8622-FT-IS Field Terminal Assemblies.
3. Each of the four output channels of the 8215-DO-IS uses one pair of terminals of the above Field Terminal Assemblies.

Ch. No.	Terminals
1	1 and 3
2	5 and 7
3	9 and 11
4	13 and 15

Each pair of terminals has the following entity parameters

Voc ≤ 25Vdc Isc ≤ 110mA Po ≤ 0.69W

Groups A,B	Groups C,E	Groups D,F,G
Ca ≤ 0.19 F	Ca ≤ 0.56μF	Ca ≤ 1.51μF
La ≤ 3.15mH	La ≤ 12.5mH	La ≤ 24.5mH



4. Each channel of the 8215-DO-IS may be connected to apparatus which does not generate or store more than 1.2V, 0.1A, 25mW or 40μJ, such as switches, thermocouples, LEDs and RTD devices, provided cable parameters meet the following criteria:-

$$C_a \geq C_{\text{cable}}$$

$$L_a \geq L_{\text{cable}}$$

Alternatively, each channel of the 8215-DO-IS may be connected to CSA-Certified intrinsically safe apparatus suitable for use in Division 1 hazardous locations, in accordance with the following criteria:-

$$V_{oc} \geq \text{Apparatus } V_{\text{max}}$$

$$I_{sc} \geq \text{Apparatus } I_{\text{max}}$$

$$C_a \leq C_i + C_{\text{cable}}$$

$$L_a \leq L_i + L_{\text{cable}}$$

5. The 8215-DO-IS may be removed from or inserted onto the carrier whilst the carrier remains energised. It is preferable if removal and insertion is performed when the area is known to be non-hazardous.
6. Each of the field devices, and associated wiring, connected to the 8215-DO-IS shall satisfy the 500Vdc insulation requirement to field devices connected to any other 8000 Series I/O module forming part of the same installation.
7. Field wiring and field devices must be installed in accordance with the requirements of ANSI/ISA RP12.6.