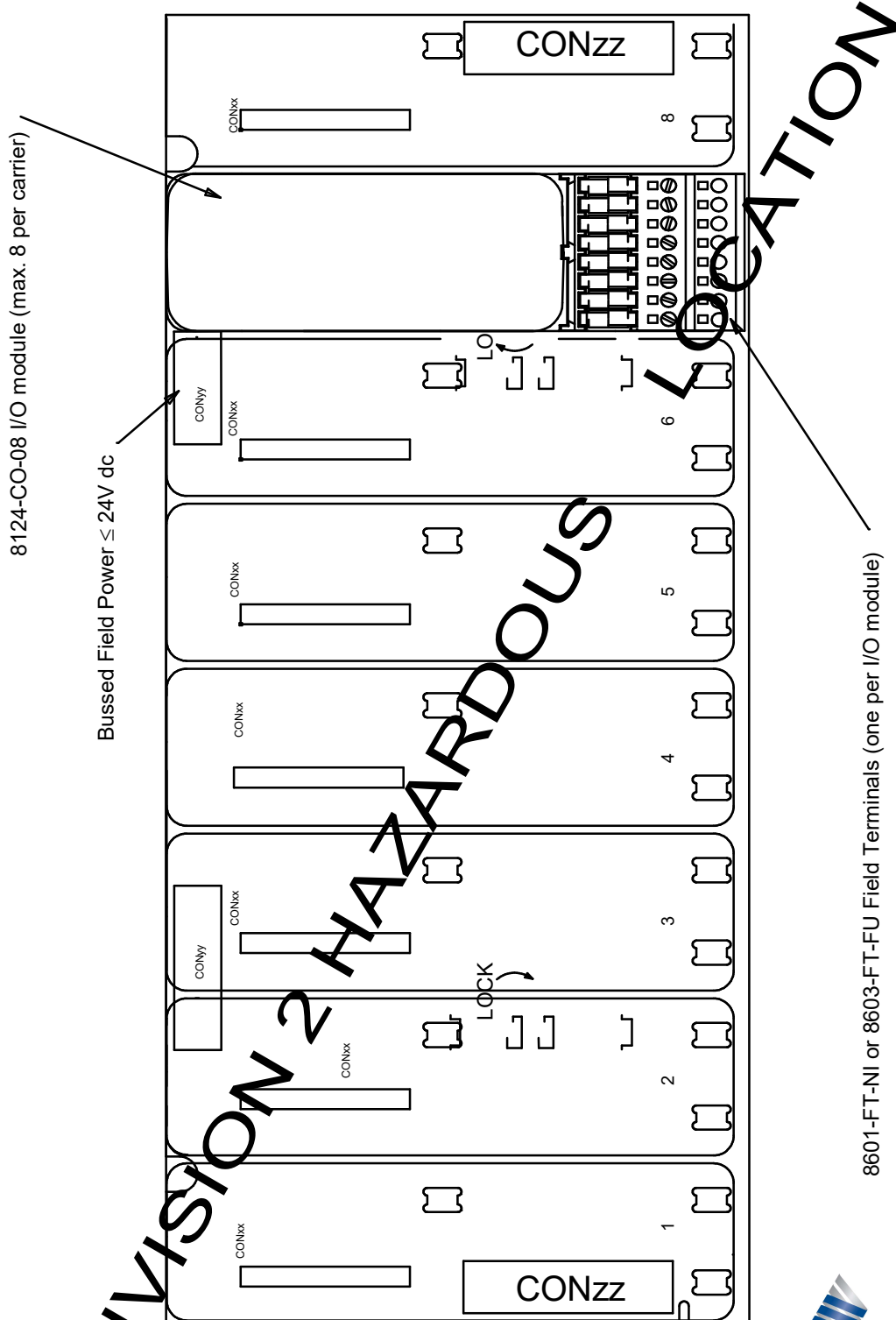


Installation drawing for the 8124-CO-08 4-Channel AI/4-Channel AO Module, 4-20mA



Notes:

1. The 8124-CO-08 4-Channel AI/4-Channel AO Module, 4-20mA may only be mounted on an FM-Approved 8000 Series carrier.
2. The 8124-CO-08 may be removed from and inserted onto the carrier whilst both the Railbus power and the Bussed Field power remain present. It is preferable if removal and insertion is done when the area is known to be non-hazardous.
3. The 8124-CO-08 must be installed in conjunction with either the 8601-FT-NI or the 8603-FT-FU Field Terminal Assemblies.
4. Each pair of Field Terminals (1+2), (3+4), (5+6), (7+8), (9+10), (11+12), (13+14) and (15+16) comprises a channel and may be considered non-incendive with the following parameters :-

$$V_{oc} \leq 28.7V_{dc} \quad I_{sc} \leq 33.0mA$$

$$\text{Groups A,B} \quad C_a = 0.17\mu F \quad L_a = 11mH$$

$$\text{Groups C} \quad C_a = 0.51\mu F \quad L_a = 33.0mH$$

$$\text{Groups D,F,G} \quad C_a = 1.36\mu F \quad L_a = 88.0mH$$

5. Each channel of the 8124-CO-08 may be connected to FM-approved apparatus which is suitable for use in Division 2 hazardous locations in accordance with the following criteria :-

$$V_{oc} \leq V_{max} \quad I_{sc} \leq I_{max}$$

$$C_a \geq C_i + C_{cable}$$

$$L_a \geq L_i + L_{cable}$$