

inductance (Lc, Li and La, respectively). Where the cable capacitance and inductance per foot are not known, the following values shall be used: Cc = 60 pF/ft, Lc = 0.2 uH/ft.

Table 1					
I.S. Equipment		Barrier	I.S. Equipment		Barrier
Vmax	Σ	Voc (or Vt)	Ui	È	Uo
Imax	2	∣ _{sc} (or l _t)	li li	2	1 ₀
Ci+ C _{cable}	\leq	Co	Ci+ Cc	\leq	Ca
Li+ Lcable	\leq	Lo	Li+ Lc	\leq	La
Pi	≥	Po			

- The barriers must be installed in accordance with barrier manufacturer's control drawing and Article 504 of the National Electrical Code, ANSI/NFPA 70, for installation in the United States.
- ∖Control equipment must not use or generate more than 253V rms or dc.

/ Optional programing port (Extra function 'C') must not be used, connected, or disconnected in the Division 2 or Zone 2 hazardous location.

- WARNING: EXPLOSION HAZARD To prevent ignition of flammable or combustive atmospheres, do not connect or disconnect when energized. AVERTISSEMENT: RISQUE D'EXPLOSION Pour éviter l'inflammation d'atmospherès inflammables ou combustibles, ne pas brancher ni débrancher sous tension. 8.
- WARNING: EXPLOSION HAZARD Substitution of components may impair intrinsic safety. 9.
- AVERTISSEMENT: RISQUE D'EXPLOSION La substitution de composants peut compromettre la sécurité intrinsèque
- / 🗘 Connections: IMX12-FI ..-,.-PR/... devices may be connected to "Power Bridge" connectors installed on 35 mm DIN rail or attached directly to the DIN rail. IMX12-FI ..-..-0/... devices must be attached directly to the DIN rail.
- 11. The maximum terminal tightening torque is 0.5 Nm.
- The barriers must be installed in a Pollution Degree 2 environment.
- The barriers must be installed in a final enclosure rated IP54 or better 13.
- The maximum installation altitude is 2000 meters.
- 15. Use conductors rated 75°C minimum.

