

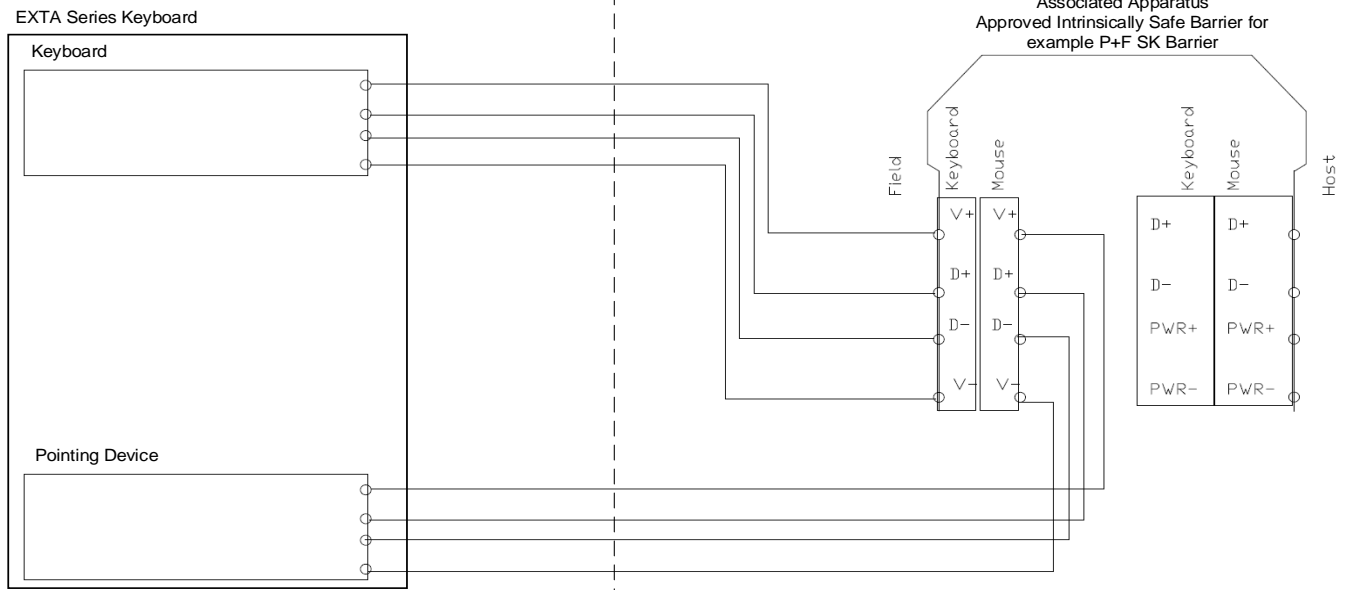
Connections

HAZARDOUS LOCATION

EXTA2-J and EXTA3-D4:
Cl. I Div. 2 Grps. A, B, C, D
Cl. II Div. 2 Grps. F, G
Cl. III

EXTA2-K and EXTA3-D2:
Cl. I Div. 2 Grps. A, B, C, D

NON-HAZARDOUS LOCATION or less HAZARDOUS LOCATION.



Notes

- The Entity Concept allows interconnection of a non-incendive apparatus with a non-incendive associated apparatus not specifically examined in combination as a system. The capacitance and inductance of the system must be less than the marked capacitance, C_o (or C_a), shown on any associated apparatus. The same applies for inductance (L_{cable} , L_i and L_o or L_a , respectively). Where the cable capacitance and inductance per foot are not known, the following values shall be used: $C_{cable} = 60 \text{ pF/ft. (197 pF/m)}$, $L_{cable} = 0.2 \text{ }\mu\text{H/ft. (0.66 uH/m)}$.

<u>I.S. Equipment</u>		<u>Associated Apparatus</u>
U_i (or V_{max})	\geq	U_o (or V_{oc} or V_t)
I_i (or I_{max})	\geq	I_i (or I_{sc} or I_t)
$C_i + C_{cable}$	\leq	C_o (or C_a)
$L_i + L_{cable}$	\leq	L_o (or L_a)

- The provided cable's specifications are: $C_{cable} = 49 \text{ pF/ft. (160 pF/m)}$, $L_{cable} = 0.16 \text{ }\mu\text{H/ft. (0.5 uH/m)}$.
- Wiring methods must be in accordance with all applicable installation requirements of the country in use. For US, this is NFPA 70 (NEC) article 504 with additional information in ANSI-ISA –RP12.06.01. For Canada this is CSA 22.1-12 (CEC) section 18 and appendix F.
- WARNING: Substitution of components may impair intrinsic safety and suitability for hazardous (classified) locations.

AVERTISSEMENT: le remplacement des composants peut altérer la sécurité intrinsèque et l'adéquation à une utilisation dans des zones dangereuses (classées).

Entity Parameters

The EXTA series keyboard may consist of up to two individual devices, i.e. the keyboard and the pointing device. Each device has its own set of entity parameters shown in the table below.

Device	U_i (Vmax)	I_i (Imax)	C_i	L_i
Keyboard	5.4 V	240 mA	25 μF	1.1 μH
Pointing Device	5.4 V	240 mA	25 μF	1.1 μH

This document contains safety-relevant information. It must not be altered without the authorization of a NE EX		
Only valid as long as released in EDM		date: 05-DEC-2018
	Control Drawing	116-0357C
	NI Keyboard EXTA Series Keyboards	
Global		sheet 1 of 1