

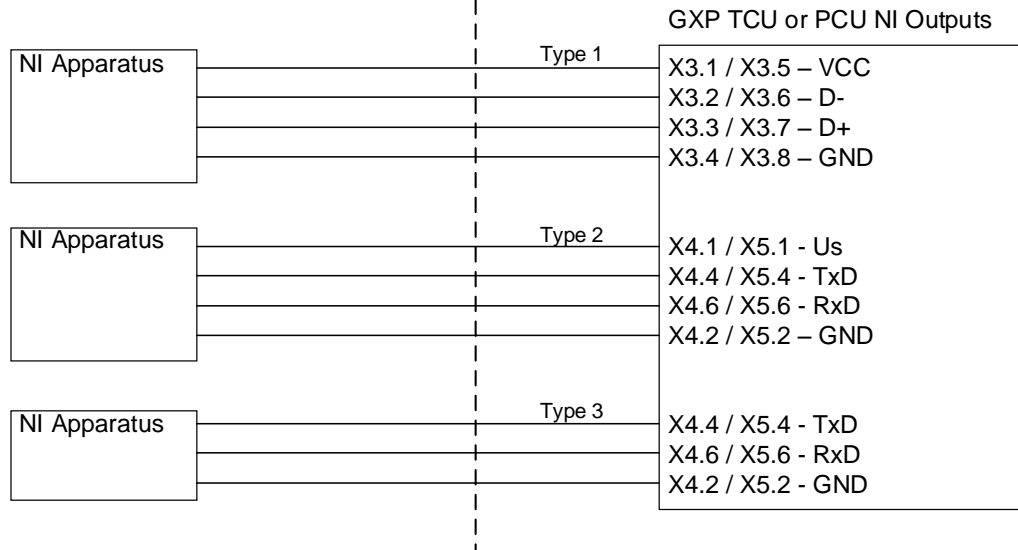
Connections

Hazardous Location
Class I, Division 2, Groups A, B, C, D; T4
Class II, Division 2, Groups F, G; T4
Class III

Class I Zone 2, Group IIC; T4
Class II Zone 22, Group IIIB; T85°C
Class III Zone 22, Group IIIA; T85°C

Hazardous Location
Class I, Division 2, Groups A, B, C, D; T4
Class II, Division 2, Groups F, G; T4
Class III

Class I Zone 2, Group IIC; T4
Class II Zone 22, Group IIIB; T85°C
Class III Zone 22, Group IIIA; T85°C



Notes

- The Entity Concept allows interconnection of non-incendive apparatus with associated apparatus not specifically examined in combination as a system when the approved values of V_{oc} (or U_o) and I_{sc} (or I_o) for the associated apparatus are less than or equal to $V_{max}(U_i)$ and $I_{max}(I_i)$ for the non-incendive apparatus and the approved values of $C_a(C_o)$ and $L_a(L_o)$ for the associated apparatus are greater than $C_i + C_{cable}$ and $L_i + L_{cable}$, respectively, for the non-incendive apparatus,

Where $C_{cable} = 60\text{pF/ft}$ if unknown
Where $L_{cable} = 0.20\text{uH/ft}$ if unknown

- Simple apparatus: an electrical component or combination of components of simple construction with well-defined electrical parameters that does not generate more than 1.5 V, 100mA, 25mW, or is a passive component that does not dissipate more than 1.3W and is compatible with the intrinsic safety of the circuit in which it is used.
- Wiring methods must be in accordance with all applicable installation requirements of the county 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.

Entity Parameters

Parameter	Type 1					Type 2	Type 3
Maximum Output Voltage U_o (V_{oc})	4.92 V					8.95 V	8.95 V
Maximum Output Current I_o (I_{sc})	182 mA					150 mA	58 mA
Maximum Output Power P_o	570 mW					1.4 W	128 mW
Maximum external capacitance C_o (C_a)	11.5 μF	19.5 μF	26.5 μF	36.5 μF	57.5 μF	400 nF	1.9 μF
Maximum external inductance L_o (L_a)	9 μH	4 μH	3 μH	2 μH	1 μH	199 μH	199 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: 2017-AUG-28
	Control Drawing for GXP Sysytem and TCU or PCU Non-incendive Outputs	116-B034A
	Global	sheet 1 of 1