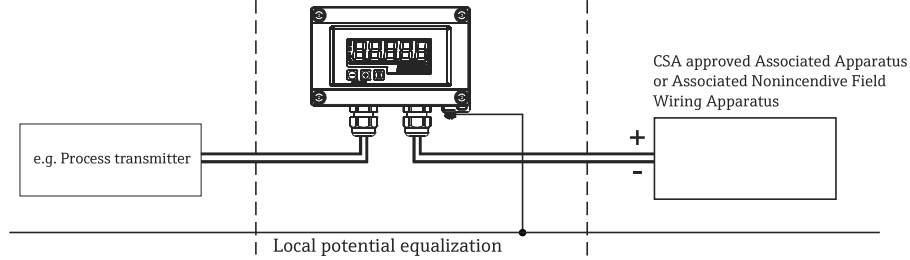


Hazardous (Classified) Location
Class I / Division 1 / Groups ABCD
Class I, Zone 0, IIC
Class I / Division 2 / Groups ABCD

Hazardous (Classified) Location
Class I / Division 1 / Groups ABCD
Class I, Zone 1, IIC
Class I / Division 2 / Groups ABCD

Nonhazardous Locations



Installation Notes

- CSA approved apparatus must be installed in accordance with manufacturer's instructions.
- Install per Canadian Electrical Code (CEC) Part I or National Electrical Code (NEC) (ANSI/NFPA70) and ISA RP 12.06.01, as applicable for the country in use.
- The Process Display must be connected to the potential matching line.
- Use supply wires suitable for 5°C above surroundings.



INTRINSICALLY SAFE

Class I / Div. 1 / Groups ABCD Ex ia IIC/AEx ia IIC

- CSA Approved Associated Apparatus must meet the following parameters:
 $U_o \leq U_i$ $I_o \leq I_i$ $P_o \leq P_i$ $C_a \geq C_i + C_{cable}$ $L_a \geq L_i + L_{cable}$
- display entity parameters are as follows:
 Supply circuit (terminals + / - or + / LED or + / auxiliary terminal □)
 U_i or $V_{max} \leq 30$ V DC $C_i = 0$
 I_i or $I_{max} \leq 200$ mA $L_i = 35 \mu H$
 $P_i \leq 900$ mW
- Warning: Substitution of components may impair intrinsic safety.
- Avertissement: La substitution de composants peut compromettre la sécurité intrinsèque.

NONINCENDIVE

Class I / Div. 2 / Groups ABCD

- Depending on location install per National Electrical Code (NEC) using wiring methods described in article 500 through article 510.
- Intrinsic safety barrier not required. $V_{max} \leq 30$ V DC.
- Warning: Explosion hazard - Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.
 Avertissement : Risque d'explosion - Ne pas débrancher tant que le circuit est sous tension, à moins qu'il s'agisse d'un emplacement non dangereux.

Nonincendive field wiring installation

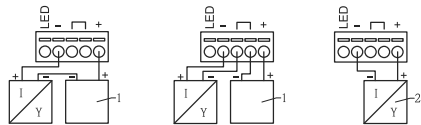
The Nonincendive Field Wiring Circuit Concept allows interconnection of Nonincendive Field Wiring Apparatus with Associated Nonincendive Field Wiring Apparatus or Associated Intrinsically Safe Apparatus or Associated Apparatus not specifically examined in combination as a system using any of the wiring methods permitted for unclassified locations, when $V_{oc} \leq V_{max}$, $C_a \geq C_i + C_{cable}$, $L_a \geq L_i + L_{cable}$.

Display's Nonincendive Field Wiring parameters are as follows:
 U_i or $V_{max} \leq 30$ V DC $C_i = 0$
 I_i or $I_{max} \leq 200$ mA $L_i = 35 \mu H$

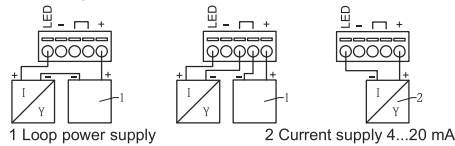
Functional ratings

These ratings do not supersede Hazardous Location values
 $U_{nom} \leq 2.9$ DC $I_{nom} \leq 4$ to 20 mA

Connection without background illumination



Connection with background illumination



Temperature range

T6 -40°C ... +60°C

**INTRINSICALLY SAFE
NONINCENDIVE, FIELD WIRING**

**Class I / Div. 1 / Groups ABCD
Class I / Div. 2 / Groups ABCD**

Ex ia IIC/AEx ia IIC

	Approved GT	Date (yyyy-mm-dd) 2020-06-25	Drawing No. LPM1-A-HAZ-DWG	Dwg.rev. A	Revision no. -	Revision date (yyyy-mm-dd) -	Name -	Material
Volume (mm³)	Designed JW	Date (yyyy-mm-dd) 2020-06-25	Unit LPM1-A-HAZ	Scale 1:1	Title CONTROL DRAWING CSA			Series
Refer to protection notice ISO 16016	Edge of working parts ISO 13715	Geometrical tolerancing ISO 2768-mH-E	Part No. -	Format A4	Version		Sheet 1 of 1	



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