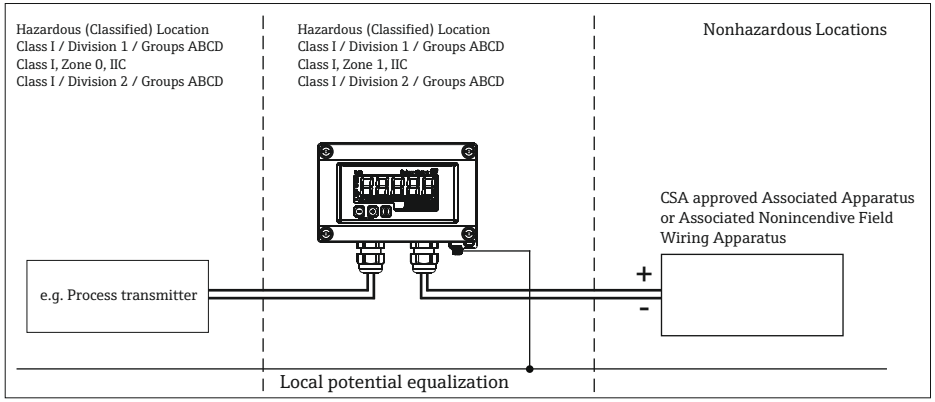

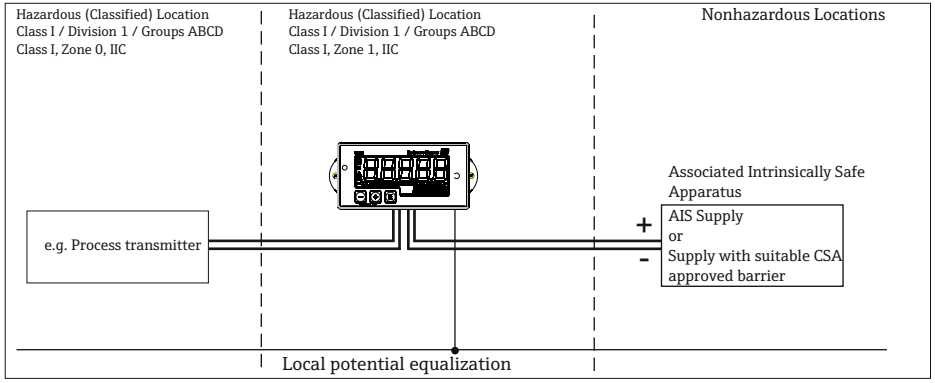

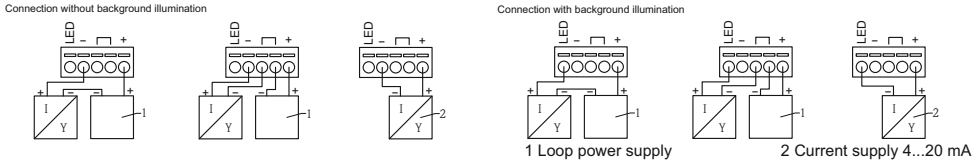

Temperature range

T6 -40°C ... +60°C

INTRINSICALLY SAFE **Class I / Div. 1 / Groups ABCD** **Ex ia IIC/AEx ia IIC**
NONINCENDIVE, FIELD WIRING **Class I / Div. 2 / Groups ABCD**

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.
- Install the panel-mount instrument in a suitable enclosure acceptable to the local inspection authority.
- 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:
- Uo ≤ Ui Io ≤ Ii Po ≤ Pi Ca ≥ Ci + Ccable La ≥ Li + Lcable
- display entity parameters are as follows:
  Supply circuit (terminals +/ - or +/ LED or + / auxiliary terminal ⊓)
  Ui or Vmax ≤ 30 V DC Ci = 0
  Ii or Imax ≤ 200 mA Li = 35µH
  Pi ≤ 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. Vmax ≤ 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 Voc ≤ Vmax, Ca ≥ Ci + Ccable, La ≥ Li + Lcable.
  Display's Nonincendive Field Wiring parameters are as follows:
  Ui or Vmax ≤ 30 V DC Ci = 0
  Ii or Imax ≤ 200 mA Li = 35µH

Functional ratings

These ratings do not supersede Hazardous Location values
Unom ≤ 2.9 DC Inom ≤ 4 to 20 mA

	Approved	Date (yyyy-mm-dd)	Drawing No.	Dwg.rev.	Revision no.	Revision date (yyyy-mm-dd)	Name	Material	
	Pfanzelt	2015-08-25	10000007970	A	-	2016-11-18	MP	71356677	Endress+Hauser
Volume (mm³)	Designed	Date (yyyy-mm-dd)	Unit	Scale	Title			Series	
	Pfanzelt	2015-08-24	RIA15, ORIA15	1:1	CONTROL DRAWING CSA XA01368K/09/EN/02.17				
Refer to protection notice ISO 16016	Edge of working parts ISO 13715	Geometrical tolerancing ISO 2768-mH-E	Part No. -	Format A4				Objekt version / Sheet 1 of 1	Endress + Hauser GmbH+Co. KG Wetzer Nesselwang / Germany