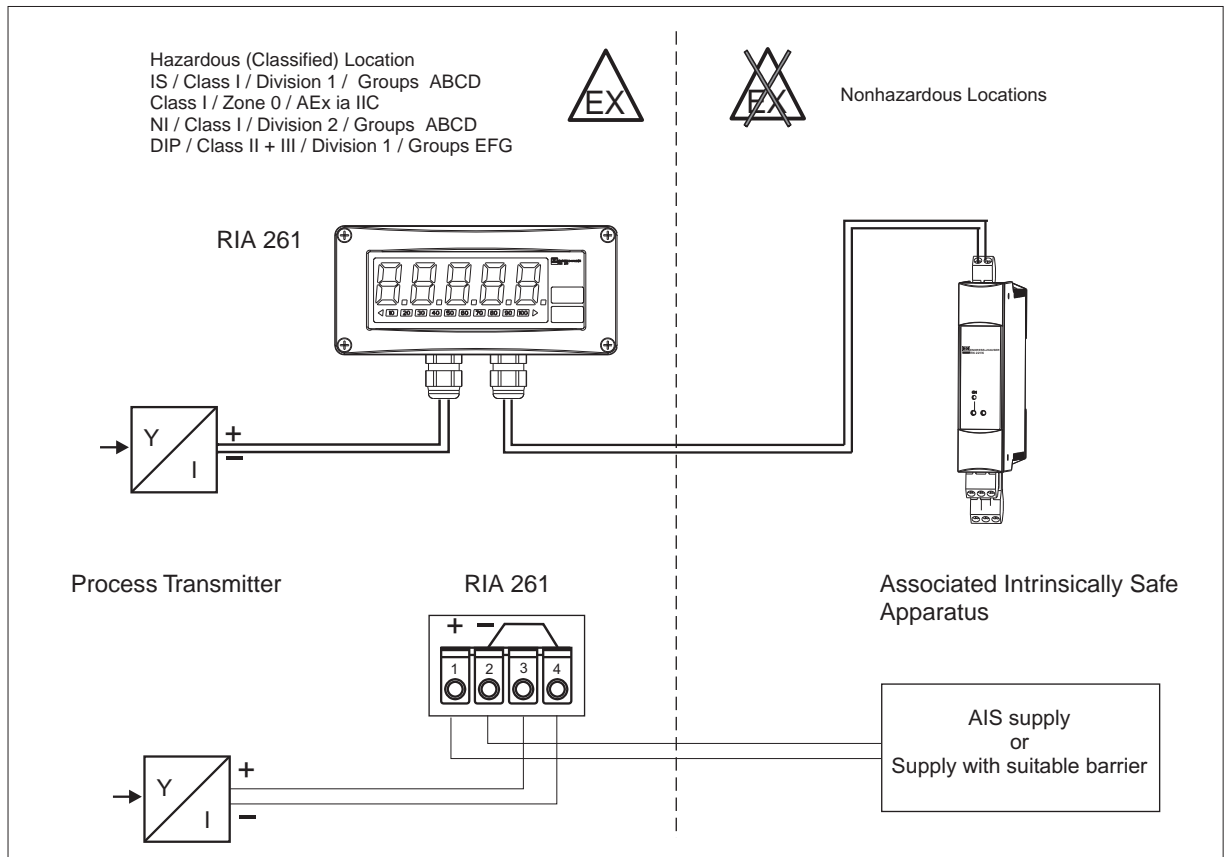


Hazardous (Classified) Location
 IS / Class I / Division 1 / Groups ABCD
 Class I / Zone 0 / AEx ia IIC
 NI / Class I / Division 2 / Groups ABCD
 DIP / Class II + III / Division 1 / Groups EFG



Nonhazardous Locations



Installation Notes RIA 261



- Installation must be in accordance with National Electrical Code ANSI / NFPA 70 and ANSI / ISA 12.6
- Programming in hazardous location is permitted.
- Transmitter specifications must be in accordance to approval listing.
- FM certified associated apparatus must meet the following requirements:

$$\begin{matrix} V_{oc} \leq V_{max} \\ I_{sc} \leq I_{max} \end{matrix}$$

$$\begin{matrix} C_a \geq C_i + C_{cable} + C_{i RIA} \\ L_a \geq L_i + L_{cable} + L_{i RIA} \end{matrix}$$

$C_{i RIA}$, $L_{i RIA}$ = capacitance, inductance of the RIA 261
 C_i , L_i = capacitance, inductance of the unidentified transmitter

Entity Parameters for Terminals:

RIA 261	IS / Class I / Division 1 / Groups ABCD / T6 Class I / Zone 0 / AEx ia IIC T6 NI / Class I / Division 2 / Groups ABCD / T6 DIP / Class II+III / Division 1 / Groups EFG / T6
Supply circuit (Terminal 1 ... 4)	$V_{max} \leq 30 \text{ V}$ $I_{max} \leq 150 \text{ mA}$ $P_i \leq 1.1 \text{ W}$ $C_{i RIA} = 0$ $L_{i RIA} = 0$
Temperature range	T6 $T_a = -20^\circ\text{C} \dots +60^\circ\text{C}$

The copying, distribution and utilisation of the document as well as the communication of the contents to others without expressed authorization is prohibited according to § 18 UWG (German Law). Offenders will be held liable for the payment of damages according to § 19 UWG (German Law). All rights reserved, in particular the right to carry out patent, utility, model or ornamental design registrations. Endress + Hauser Wetzlar

Edge of working parts ISO 13715		Geometrical Tolerancing ISO 2768-mH-E		Series	Scale	Volume: [mm ³]
					Material ZD 032R/09/en/10.04	Ident.-No. 510 08521
		Date	Name	Title		
		Drawn 2001-01-10	Kellermann	CONTROL DRAWING FM RIA 261		
		Check 2001-01-10	Kellermann			
		Norm				
		Sheet size A4		Repl. for:		
A	K04902	2004-09-01	MP	Drawing No.		
Index	Revision	Date	Name	02 06 00 111A		
Part:				ENDRESS+HAUSER WETZER		
				Sheet 1		
				Of 1		