

Safety Instructions

Promonitor NRF 560

IECEX ZLM 11.0010X

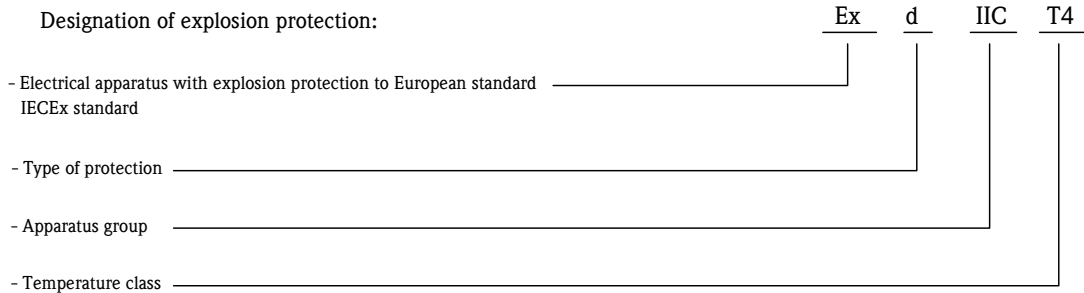
Safety instructions for electrical apparatus certified for use in explosion-hazardous areas

Designation according to IECEX 02:

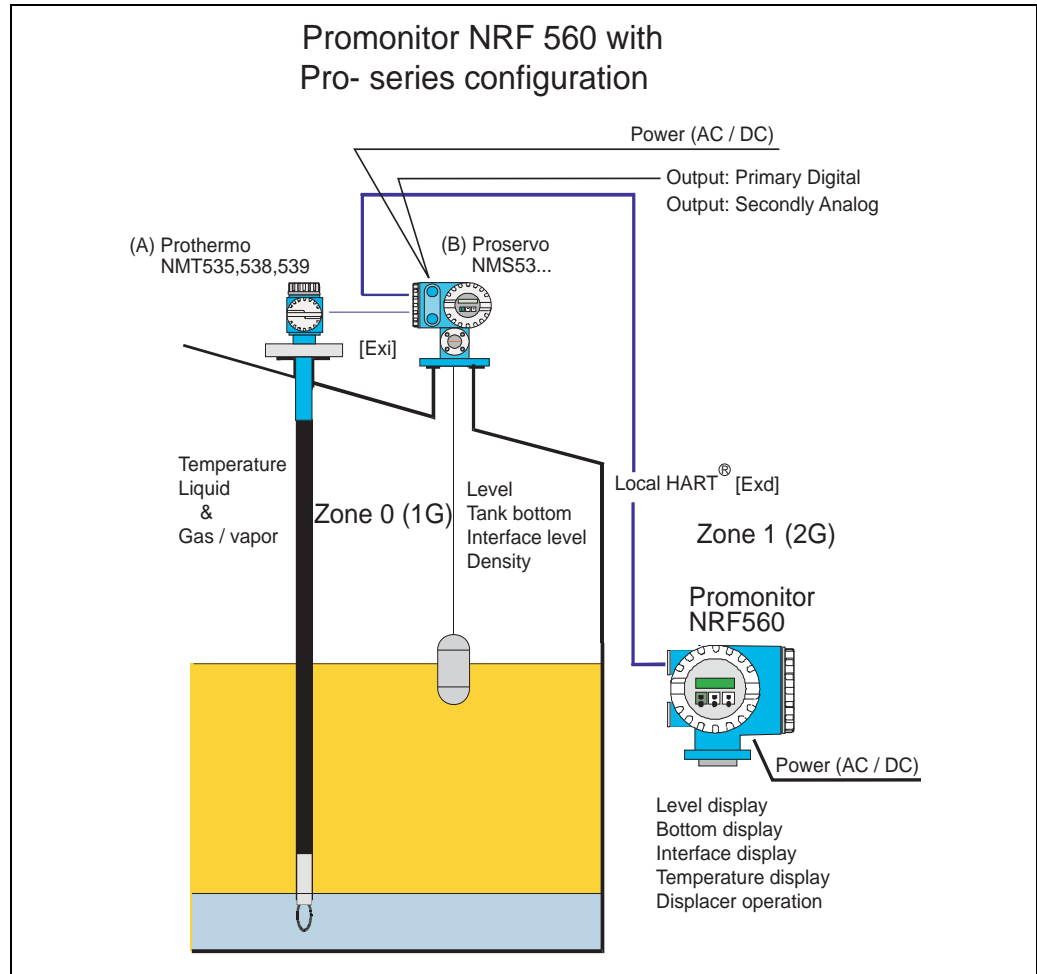
Equipment Protection Level (EPL): Gb

Hazardous zone at the mounting point		Ignition protection provided:		
		Ga	Gb	Gc
Hazard due to explosive gas-air mixture	Zone 0	○	×	×
Hazard due to explosive gas-air mixture	Zone 1	○	○	×
Hazard due to explosive gas-air mixture	Zone 2	○	○	○

○ : applicable × : not applicable

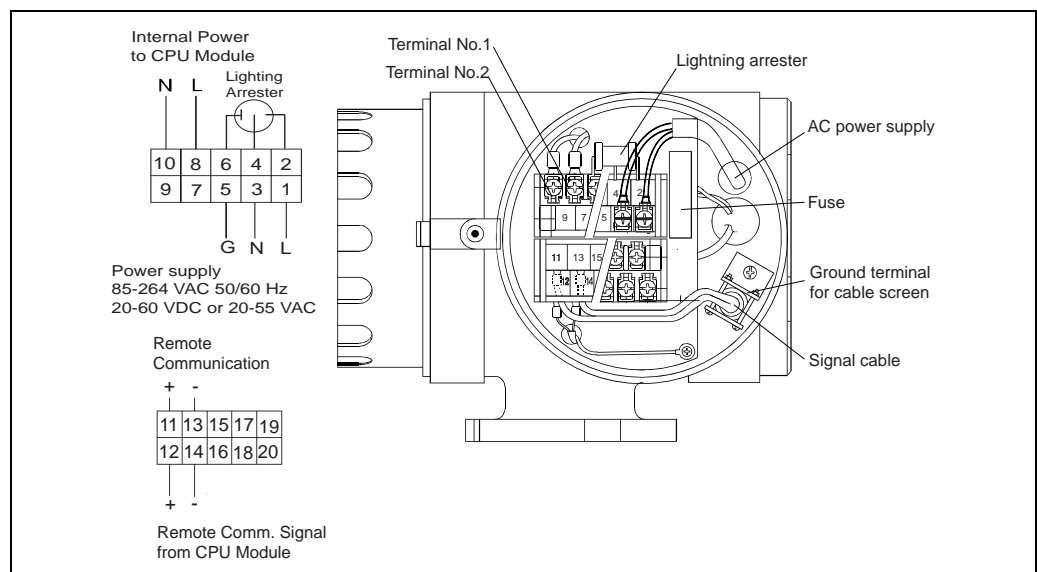


Promonitor NRF560 System Configuration



Refer to each safety instructions and operation manual regarding A and also B

Promonitor NRF 560 terminal housing layout



Safety notes for installation in hazardous areas:

- 1 Install according to the manufacture's instructions and other valid standards and guidelines.
- 2 Do not open the connection compartment cover and/or electric compartment cover under voltage in explosive atmospheres.
- 3 Connection compartment cover: "Do not open under voltage in explosive atmospheres"
 - 3.1 Only certified cable entries must be used for the intended cables. Selection criteria as per IEC 60079-14 must be observed.
 - 3.2 Continuous duty temperature of the cable $\geq 120^{\circ}\text{C}$
 - 3.4 When connecting the tank side monitor housing via piping entries permitted for this purpose, the associated seal mechanisms must be arranged directly at the housing.

4 Supply and signal circuit :**Power Supply:** [Terminals: 1(L+), 3(N-), 5(GND)]

High voltage type	Low voltage type
NRF560-F.3../NRF561-F...3..	NRF560-F.4../MRF561-F...4..
85 V ... 264 V AC, 50/60 Hz, max. 25 VA	20 V... 55 V AC, 50/60 Hz, max. 25 VA, 20 V ... 62 V DC, max. 25W

Internal circuit: [Terminals: 11 to 20]

$$U_{\max} = 24 \text{ V}, I_{\max} = 100\text{mA}$$

- 5 Ambient Temperature: $-20^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$

Applied standard:

IEC 60079-0 Edition 5.0 : 2007-10

IEC 60079-1 Edition 6.0 : 2006-04

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