Safety Instruction
Promonitor NRF560
Average Temperature

GYJ13.1353X

Safety instructions for Electrical Apparatus Certified for Use in Explosion-hazardous Areas

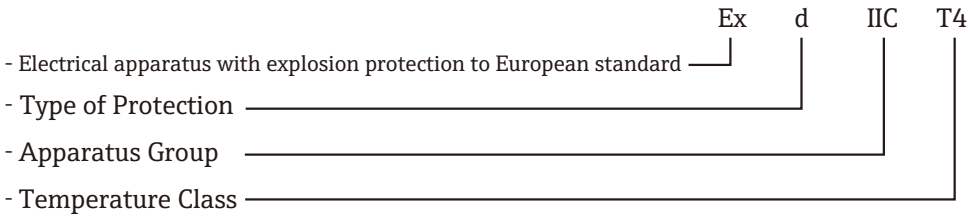
Designation according to IECEx 02

Equipment Protection Level (EPL): Gb

Hazardous Zone at 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

Designation of Explosion Protection



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NRF560 System Layout

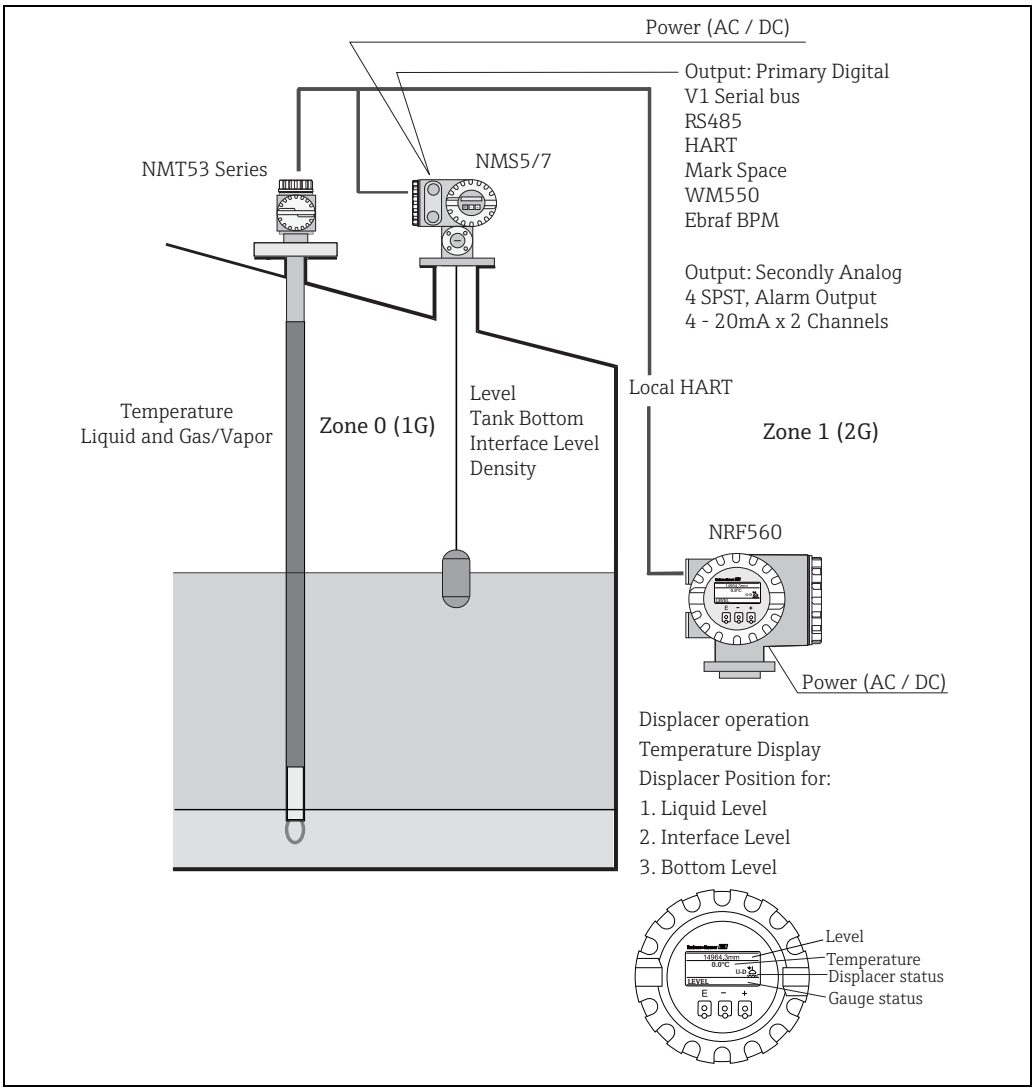

Figure 1: NRF560 System Layout

NRF560 Terminal Housing Layout

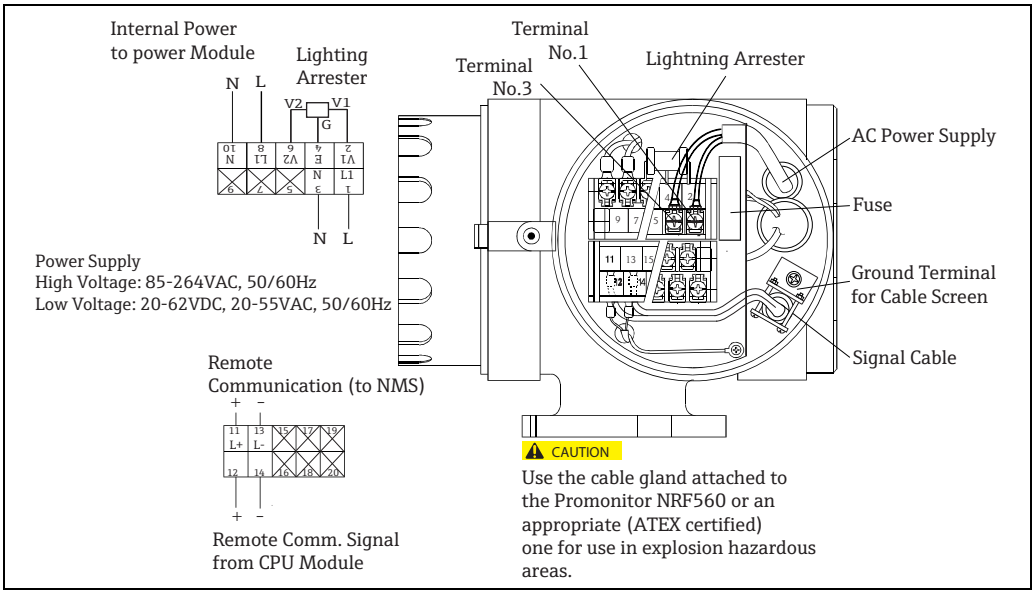

Figure 2: Description of Terminal Housing

1 Safety Notes for Installation in Hazardous Areas

- Install NRF560 according to the manufacturer's instructions and any other valid standards and guidelines.
- Do not open the connection compartment cover and/or electric compartment cover under voltage in explosive atmospheres.
- Only certified cable entries must be used for the intended cables. Selection criteria as per GB 3836.15 must be observed.
- Continuous duty temperature of the cable ≧ 120℃
- 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.

2 Guideline for Safety Use

2.1 Supply and Signal Circuit

2.1.1 Power Supply

Terminals: 1(L+), 3(N-), 5(GND)

High Voltage Type	Low Voltage Type
NRF560-G.3../NRF561-G...3..	NRF560-G.4../MRF561-G...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

2.1.2 Internal Circuit

Terminals (11 to 20): Umax = 24 V, Imax = 100mA

2.2 Ambient Temperature

The ambient temperature for NRF560 is -20℃ ≦ Ta ≦ 60℃.

3 Applied Standards

The following standards are effective for NMT539.

- GB3836.1-2010
- GB3836.4-2010

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