

Donadon NAM 05 Inductive Alarm System

Donadon NAM 05 alarm system is recommended for installation on Rupture discs and explosion vent panels.



NAM 05 Alarm System is made of:

- an inductive proximity sensor installed downstream the disc or panel

- a target supplied with the disc or panel

When the disc or panel opens the target is moved and the sensor sends a signal to the plant safety system.

Spare discs or panels are supplied with a new actuator

NAM 05 is an intrinsic safety device certified ATEX II 1G Eex ia IIC T6 and ATEX II 1D Ex

iaD 20 T 108 °C therefore may be used in locations where potentially explosive atmospheres are probable (locations classified zone 0, 20, 1, 21, 2, 22 by European Directive 94/9/CE (ATEX)).

Barrier must be adequate to the zone:

- barriera Eex ia > zone 0; 20 ; 1; 21; 2; 22
- barriera Eex ib > zone 1; 21; 2; 22

NAM 05 is normally supplied with 2m silicon cable that must be connected to the plant's safety system through an intrinsic safety barrier.

Technical Properties

| Model | NAM 05 |
|--|---------------------------|
| Fit for panels of nominal size | Minimum 200 mm |
| Maximum pressure on downstream side | 2 bar g |
| Minimum / Maximum temperature | Min. - 25°C / Max +100 °C |
| Material in contact with fluid (downstream side) | PPS; Ryton R4 |
| Supply voltage | 8 VDC |
| Current consumption | 1 – 3 mA |
| Intrinsic capacitance | 36 nF |
| Intrinsic inductance | 43 µH |
| Cable cross section | 0,34 mm |
| Protection degree | IP 68 |
| Ignition protection | Intrinsic safety |

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