



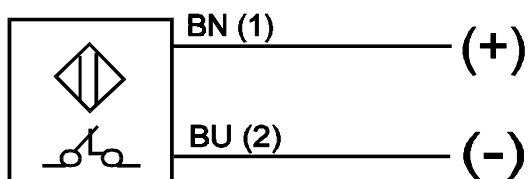
# NAMUR Proximity Switches

OSNA NAMUR Proximity Switches have been approved by BUREAU VERITAS as per Certificate No. EPS 16 ATEX 1 047  II 2G Ex ia IIC T4 Gb for Intrinsic Safety.

These Switches can be installed in a Hazardous Area Gas Group IIC and connected through a Isolation Trip Amplifier.

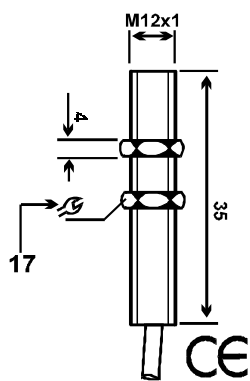
For Example : OSNA OS-Ex-2G also certified as Intrinsic Safe by BUREAU VERITAS.

## CONNECTION DIAGRAMS



PVC Cable  
(For Metal Housing)  
IP-67 Protection  
(For PBTP Housing)  
IP-68 Protection

Sensing Range  
2 mm



Supply Voltage

8 VDC

Mounting

Flush

Current Consumption

(A) Active Face Free

$\geq 3\text{mA}$

(B) Active Face Covered

$\leq 1\text{m}$

Intrinsic Capacitance

36nF

Intrinsic Inductance

43 $\mu\text{H}$

Switching Frequency

2000Hz

Switching Hysteresis

3%

Standard Target(Ferrous)

12x12x1

Cable (Cross Section)

0.34mm<sup>2</sup>

## Ordering Chart

METAL HOUSING

SYNTHETIC HOUSING

NJ2-12-GK-N

ART. NO. : (SIN009S2)