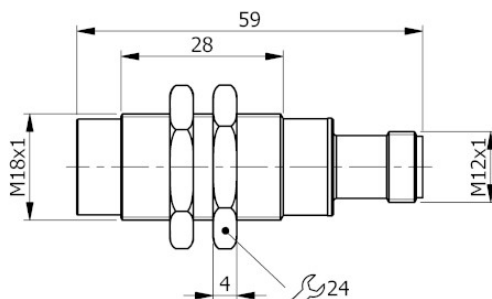


Part number: **I18000144** Model: **SI18-NE8 H**



Dimension in mm

1. TECHNICAL CHARACTERISTICS



Electrical data

Power supply type:	Direct current
Working voltage:	[V] 5 ÷ 30
Current consumption:	[mA] On <= 1 mA - Off >= 3 mA @ 8.2V
Protection class:	III
Reverse polarity protection:	Until 8,5V

Outputs

Electrical design:	Namur
Max switching frequency:	[Hz] 1000

Detection zone

Switching distance-Sn:	[mm] 8
Real sensing distance-Sr:	[mm] 8 ±10%
Operative distance-So:	[mm] 0 ÷ 6.48

Accuracy and Deviations

Correction factor:	Stainless steel: 0.9 - Brass: 0.5 - Aluminium: 0.4 - Copper: 0.4
Switching point drift:	[%Sr] -1
Repeatability:	[%Sn] < 3

Environmental conditions

Temperature limits:	[°C] -25°C ÷ +70°C
IP rating:	IP65-IP66-IP67 (depending on connector)

Mechanical data

Housing:	Threded type
Thread designation:	M18x1
Dimensions:	[mm] M18x1 - L=58.5
Materials:	Housing: Nickel-plated brass - Sensing area: PC red - Lock nuts: Nickel-plated brass
Mounting:	Not embeddable
Weighth:	[g] 55

Electrical connection

Connector: H type - M12X1 - Gold plated contacts

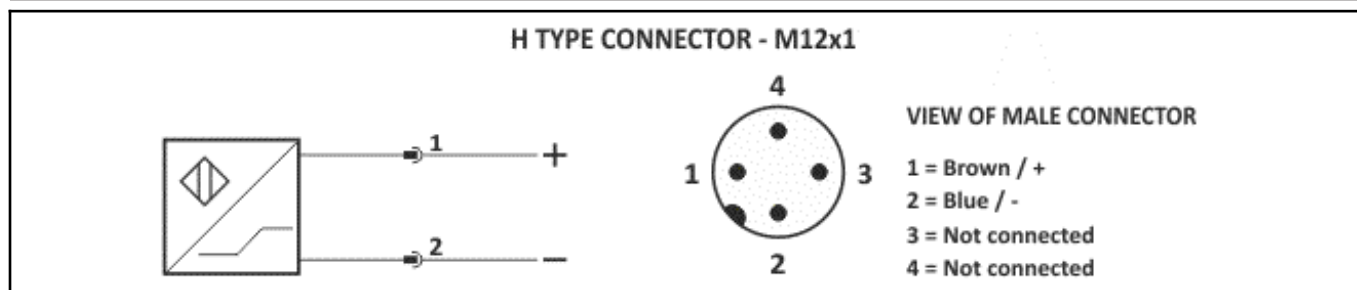
Compliance to Standards / Directives

Directives compliance: 2014/30/EU - Electromagnetic compatibility directive (EMC)

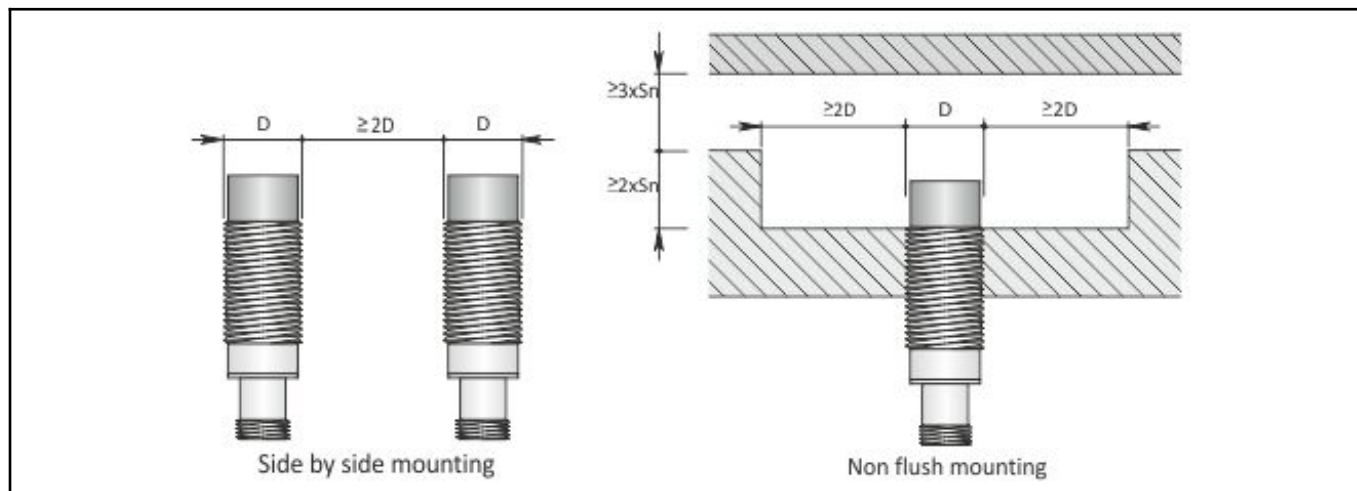
Standards compliance: EN60947-5-6 - Product standard

2. NORME DI INSTALLAZIONE

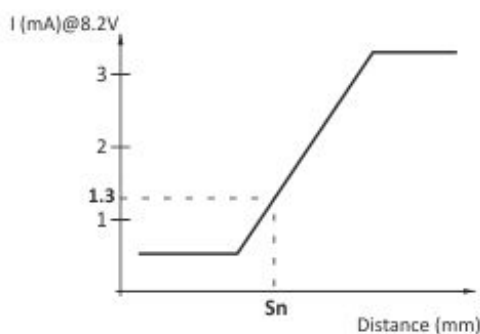
WIRING DIAGRAM



INSTRUCTIONS FOR CORRECT INSTALLATION



Titolo img 1



The NAMUR inductive sensors are electronic devices whose absorbed current varies in the presence of a metallic target.

