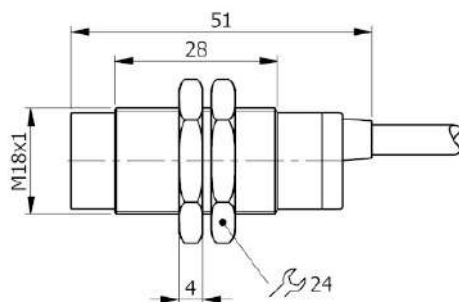


Part number: **I18000347** Model: **SI18-NE8 LC10**



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:	Presente

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]	-10 ÷ +10
Repeatability: [%Sn]	< 3

Environmental conditions

Temperature limits: [°C]	-25 ÷ +70
IP rating:	IP65-IP66-IP67

Mechanical data

Housing:	Threded type
Thread designation:	M18x1
Dimensions: [mm]	M18x1 - L=51.5
Materials:	Housing: Nickel-plated brass - Sensing area: PC red - Lock nuts: Nickel-plated brass
Mounting:	Not embeddable
Weight: [g]	300

Electrical connection

Cable:	10 m - PVC/PVC - 2 x 0.50 mm ²
--------	---

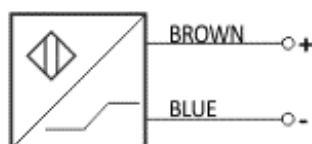
Compliance to Standards / Directives

Directives compliance:	2014/30/EU - Electromagnetic compatibility directive (EMC)
Standards compliance:	EN60947-5-6 - Product standard

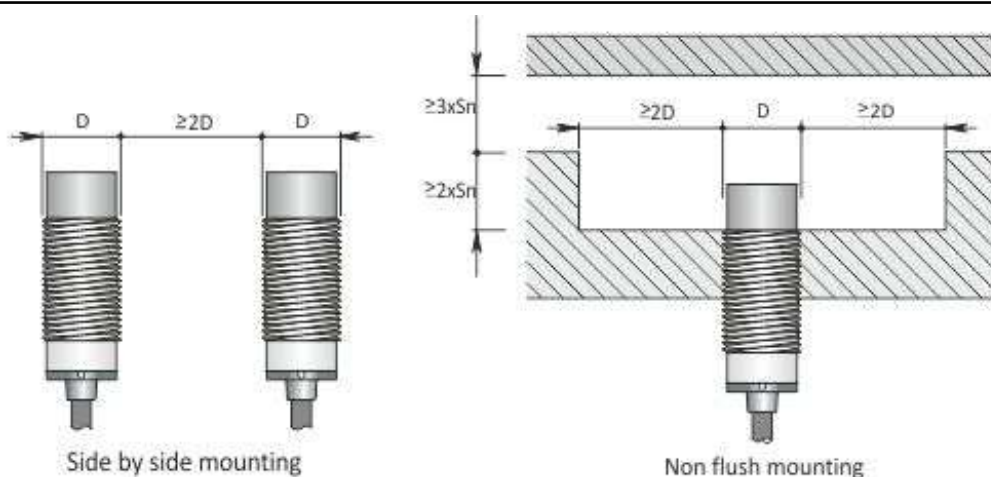
2. NORME DI INSTALLAZIONE

WIRING DIAGRAM

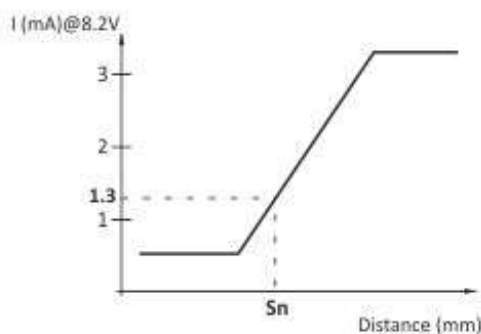
2 WIRES CABLE



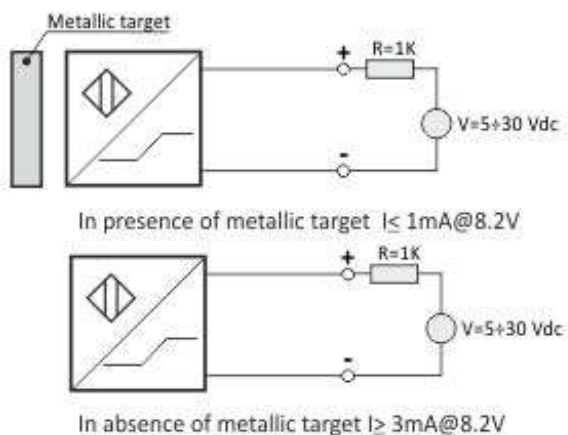
INSTRUCTIONS FOR CORRECT INSTALLATION



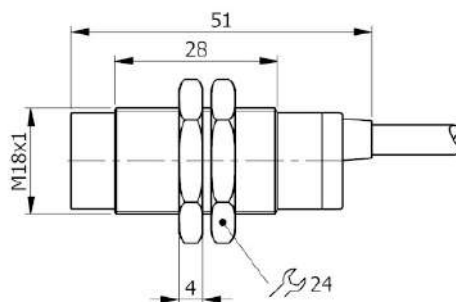
Titolo img 1



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



Part number: **I18000345** Model: **SI18-NE8 LC5**



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:	Presente

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]	-10 ÷ +10
Repeatability: [%Sn]	< 3

Environmental conditions

Temperature limits: [°C]	-25 ÷ +70
IP rating:	IP65-IP66-IP67

Mechanical data

Housing:	Threded type
Thread designation:	M18x1
Dimensions: [mm]	M18x1 - L=51.5
Materials:	Housing: Nickel-plated brass - Sensing area: PC red - Lock nuts: Nickel-plated brass
Mounting:	Not embeddable
Weight: [g]	180

Electrical connection

Cable: 5 m - PVC/PVC - 2 x 0.50 mm²

Compliance to Standards / Directives

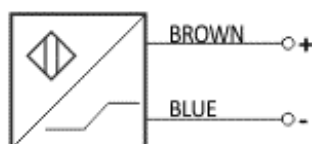
Directives compliance: 2014/30/EU - Electromagnetic compatibility directive (EMC)

Standards compliance: EN60947-5-6 - Product standard

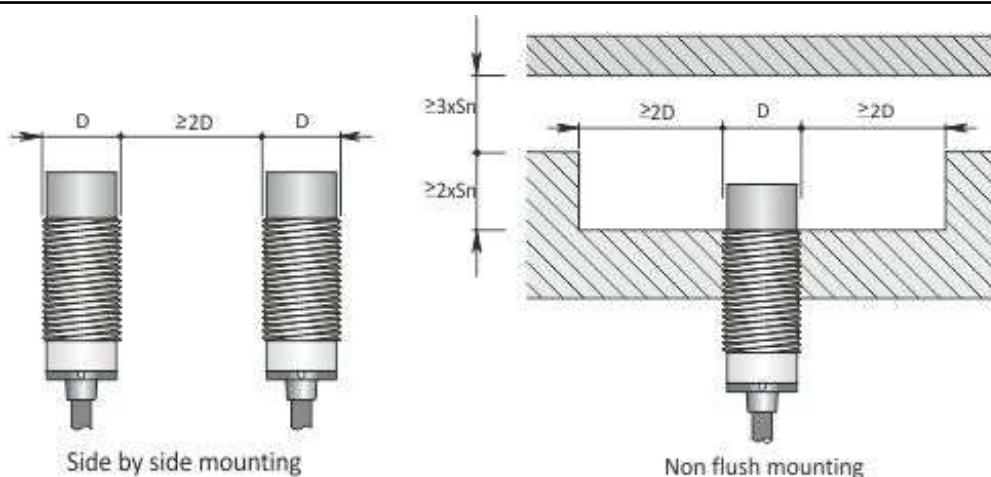
2. NORME DI INSTALLAZIONE

WIRING DIAGRAM

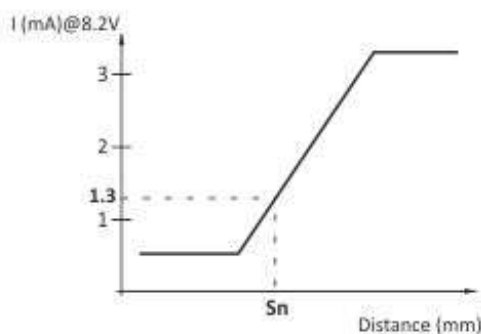
2 WIRES CABLE



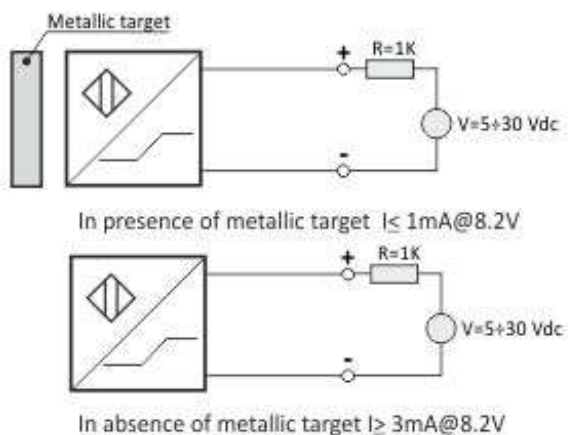
INSTRUCTIONS FOR CORRECT INSTALLATION



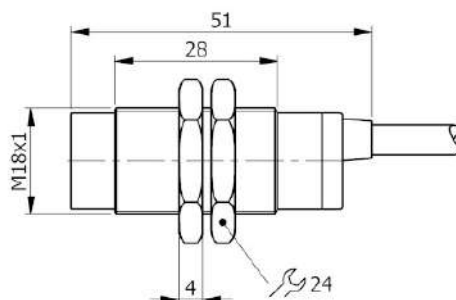
Titolo img 1



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



Part number: **I18000143** Model: **SI18-NE8**



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:	Presente

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]	-10 ÷ +10
Repeatability: [%Sn]	< 3

Environmental conditions

Temperature limits: [°C]	-25 ÷ +70
IP rating:	IP65-IP66-IP67

Mechanical data

Housing:	Threded type
Thread designation:	M18x1
Dimensions: [mm]	M18x1 - L=51.5
Materials:	Housing: Nickel-plated brass - Sensing area: PC red - Lock nuts: Nickel-plated brass
Mounting:	Not embeddable
Weight: [g]	115

Electrical connection

Cable:	3 m - PVC/PVC - 2 x 0.50 mm ²
--------	--

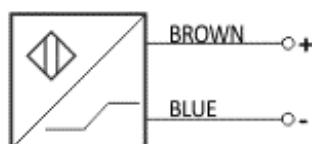
Compliance to Standards / Directives

Directives compliance:	2014/30/EU - Electromagnetic compatibility directive (EMC)
Standards compliance:	EN60947-5-6 - Product standard

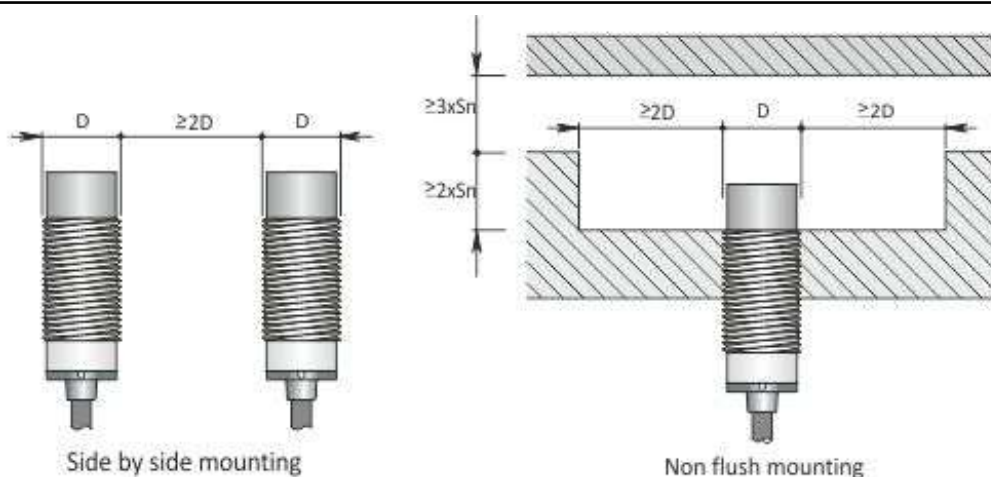
2. NORME DI INSTALLAZIONE

WIRING DIAGRAM

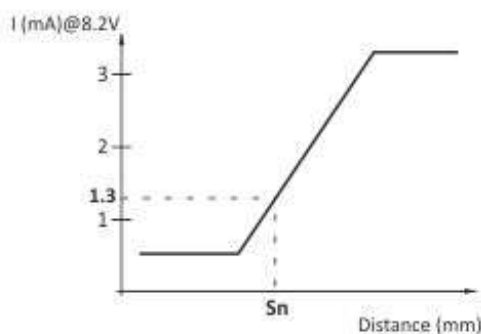
2 WIRES CABLE



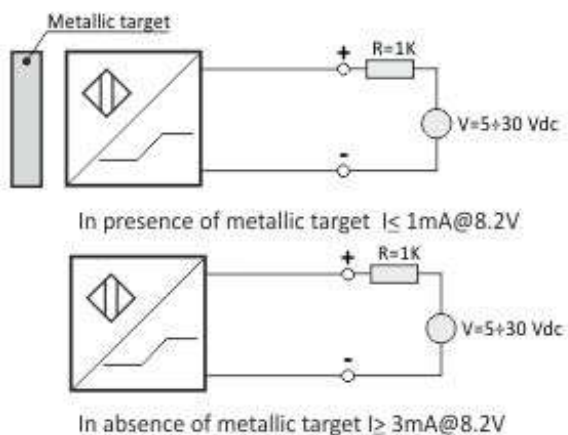
INSTRUCTIONS FOR CORRECT INSTALLATION



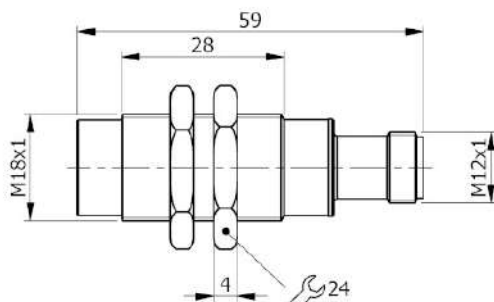
Titolo img 1



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



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:	Presente

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]	-10 ÷ +10
Repeatability: [%Sn]	< 3

Environmental conditions

Temperature limits: [°C]	-25 ÷ +70
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
Weigth: [g]	55

Electrical connection

Connector: H type - M12X1 - Gold plated contacts

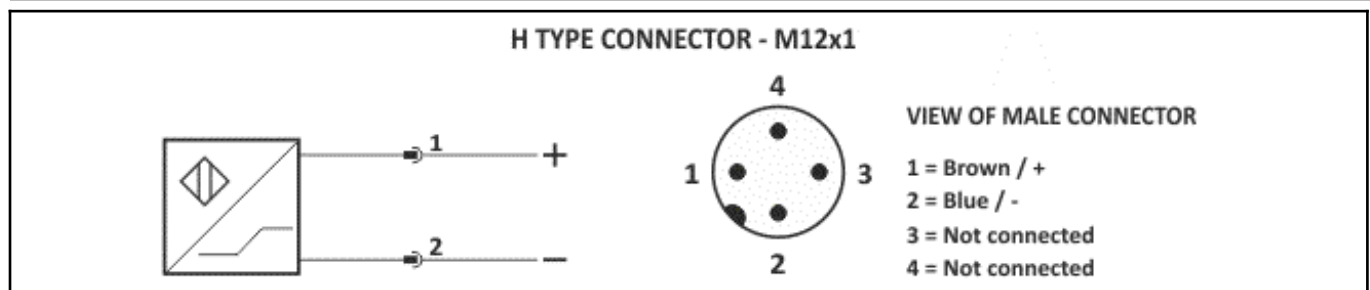
Compliance to Standards / Directives

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

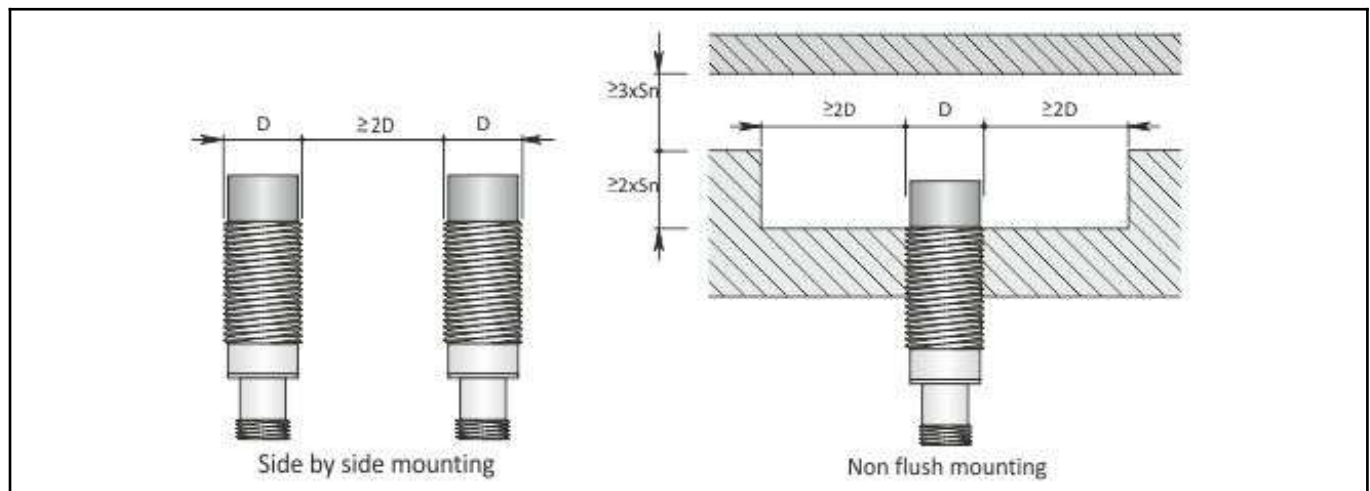
Standards compliance: EN60947-5-6 - Product standard

2. NORME DI INSTALLAZIONE

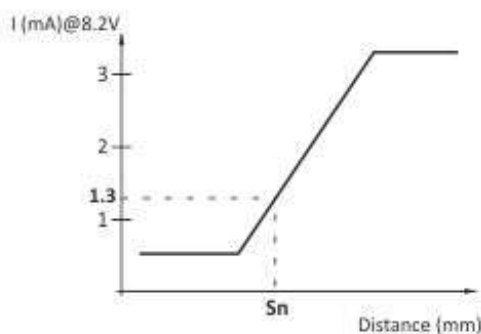
WIRING DIAGRAM



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.

