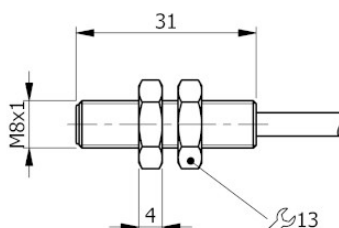


Part number: **I08000101** Model: **SI8-N1**



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]	2000

Detection zone

Switching distance-Sn: [mm]	1
Real sensing distance-Sr: [mm]	1 ±10%
Operative distance-So: [mm]	0 ÷ 0.81

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:	M8x1
Dimensions: [mm]	M8x1 - L=30
Materials:	Housing: Nickel-plated brass - Sensing area: POM red - Lock nuts: Nickel-plated brass
Mounting:	Embeddable
Weighth: [g]	65

Electrical connection

Cable:	3 m - PVC/PVC - 2 x 0.25 mm ²
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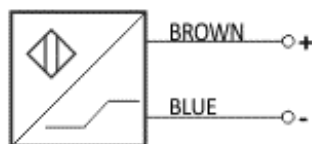
Compliance to Standards / Directives

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

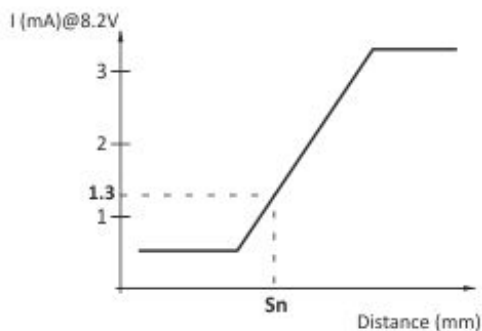


Side by side mounting



Flush mounting

Titolo img 1



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

