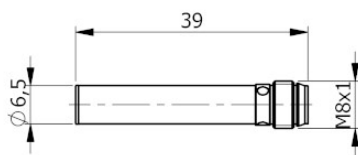


Part number: **I65000058** Model: **SI6.5-N1 H1**



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] -1
Repeatability:	[%Sn] < 3

Environmental conditions

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

Mechanical data

Housing:	Smooth cylindrical
Dimensions:	[mm] Ø 6.5 - L=39
Materials:	Housing: Nickel-plated brass - Sensing area: POM red
Mounting:	Embeddable
Weight:	[g] 20

Electrical connection

Connector: H1 type - M8X1 - gold plated contacts

Compliance to Standards / Directives

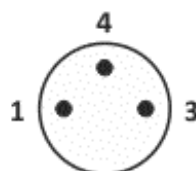
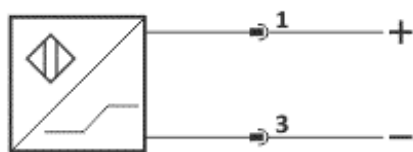
Directives compliance: 2014/30/EU - Electromagnetic compatibility directive (EMC)

Standards compliance: EN60947-5-6 - Product standard

2. NORME DI INSTALLAZIONE

WIRING DIAGRAM

H1 TYPE CONNECTOR - M8x1



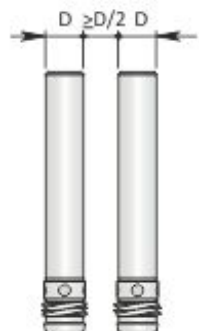
VIEW OF MALE CONNECTOR

1 = Brown / +

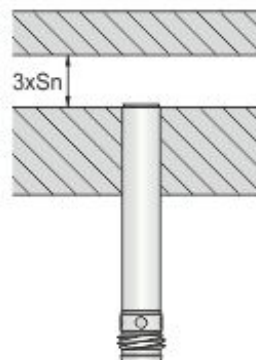
3 = Blue / -

4 = Not connected

INSTRUCTIONS FOR CORRECT INSTALLATION

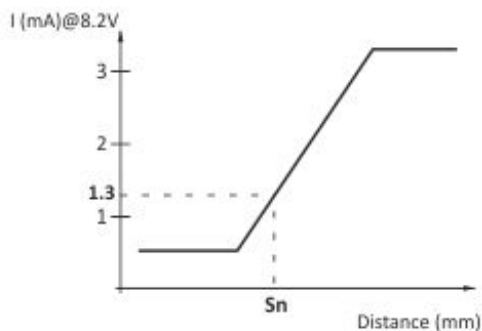


Side by side mounting



Flush mounting

Titolo img 1



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

