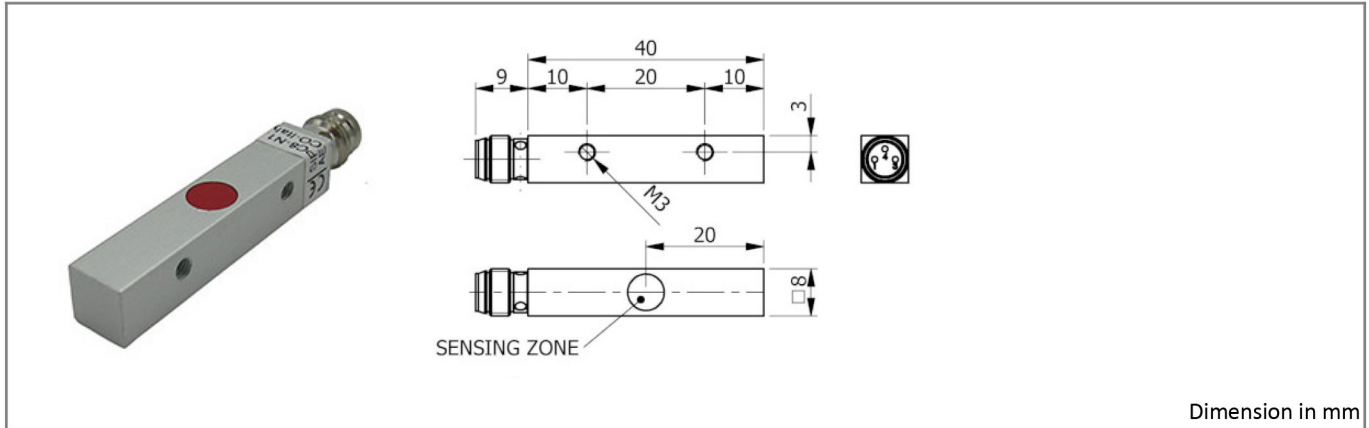


Part number: **SIP000130** Model: **SIPC8-N1.5 H1**



## 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]	1.5
Real sensing distance-Sr:	[mm]	1.5 ±10%
Operative distance-So:	[mm]	0 ÷ 1.22
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:		Parallelepiped
Dimensions:	[mm]	8 x 8 x 40
Materials:		Housing: Anticorodal - Sensing area: POM red
Mounting:		Embeddable
Weigth:	[g]	20

### Electrical connection

Connector: H1 type - M8X1 - gold plated contacts

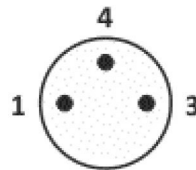
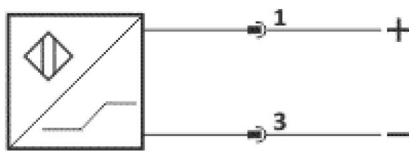
### Compliance to Standards / Directives

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

Standards compliance: EN60947-5-6 - Product standard

### WIRING DIAGRAM

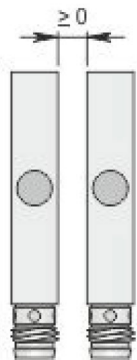
#### H1 TYPE CONNECTOR - M8x1



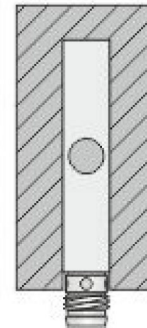
#### VIEW OF MALE CONNECTOR

- 1 = Brown / +
- 3 = Blue / -
- 4 = Not connected

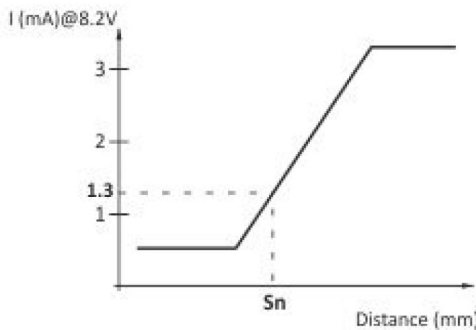
### INSTRUCTIONS FOR CORRECT INSTALLATION



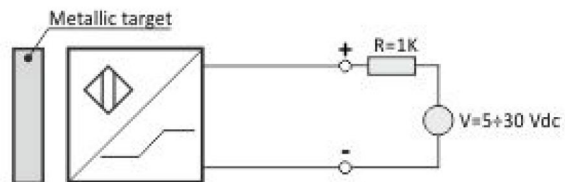
Side by side mounting



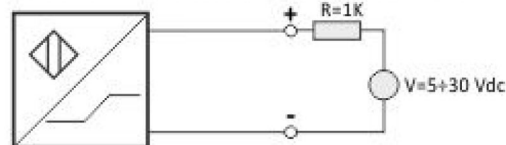
Flush mounting



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



In presence of metallic target  $I \leq 1\text{mA}@8.2\text{V}$



In absence of metallic target  $I \geq 3\text{mA}@8.2\text{V}$