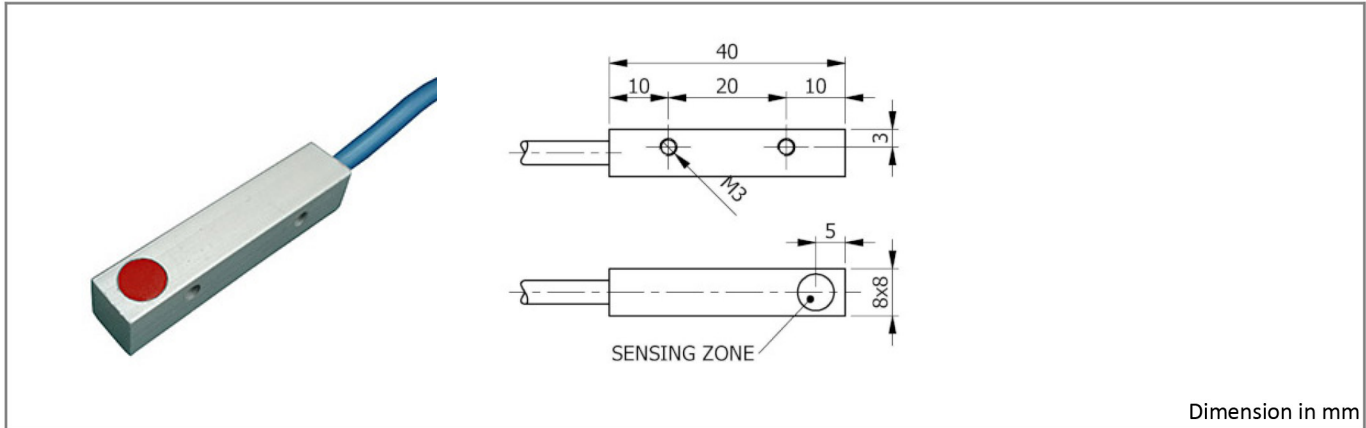


Part number: SIP000125 Model: SIPA8-N1.5



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]	1.5
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

### Mechanical data

Housing:		Parallelepiped
Dimensions:	[mm]	8 x 8 x 40
Materials:		Housing: Anticorodal - Sensing area: POM red
Mounting:		Embeddable
Weight:	[g]	50

### Electrical connection

Cable: 3 m - PVC/PVC - 2 x 0.25 mm<sup>2</sup>

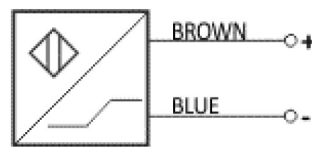
### Compliance to Standards / Directives

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

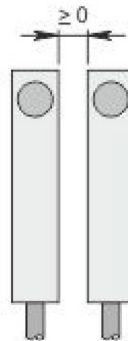
Standards compliance: EN60947-5-6 - Product standard

### WIRING DIAGRAM

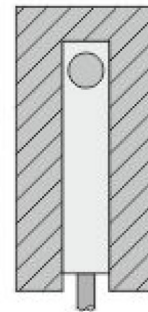
#### 2 WIRES CABLE



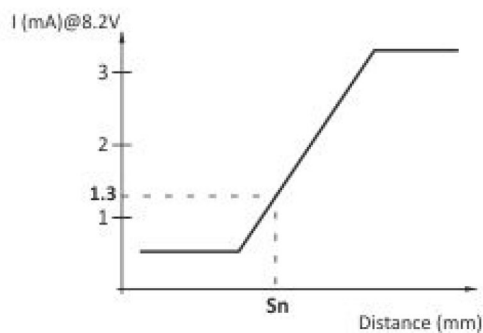
### INSTRUCTIONS FOR CORRECT INSTALLATION



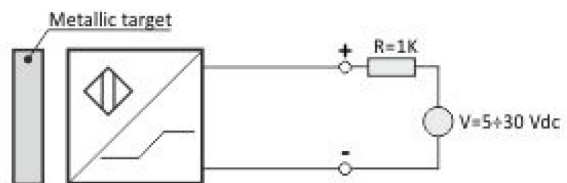
Side by side mounting



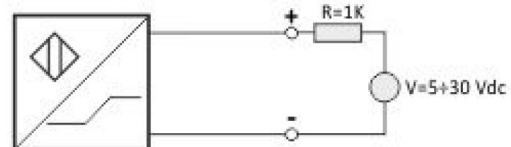
Flush mounting



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  $I \geq 3\text{mA}@8.2\text{V}$