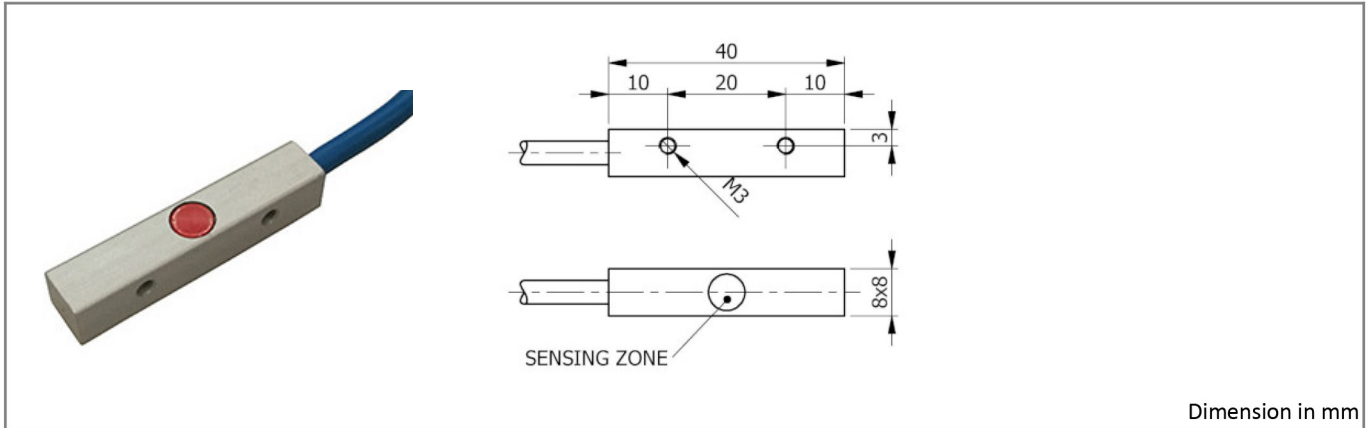


Part number: **SIP000129** Model: **SIPC8-N1.5**



## 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                                   |
| Weigth:     | [g]  | 50   |

### Electrical connection

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

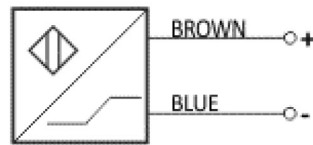
### Compliance to Standards / Directives

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

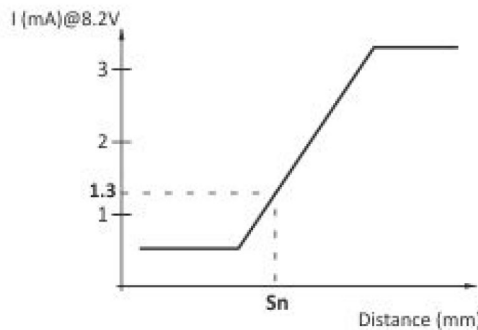
Standards compliance: EN60947-5-6 - Product standard

### WIRING DIAGRAM

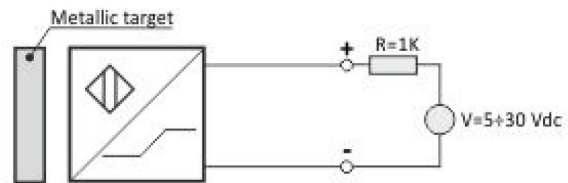
#### 2 WIRES CABLE



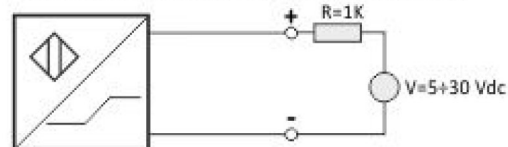
### INSTRUCTIONS FOR CORRECT INSTALLATION



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



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



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