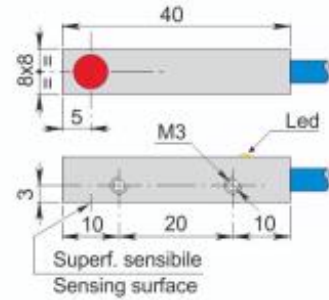




**Part number: YIP000060 - Model: SIPA8-N1.5 LC5 AGD1**



Dimension in mm

### TECHNICAL CHARACTERISTICS

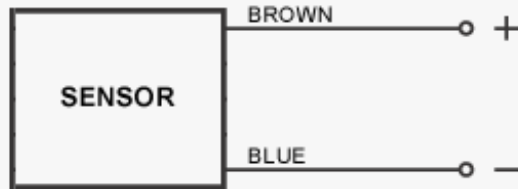
|  |  |
|--|--|
| Power supply:                            | Direct current   |
| Working voltage:                         | 8.2 Vdc (1Kohm)  |
| Switching distance (mm):                 | 1.5  |
| Output type:                             | Namur  |
| Hysteresis (%Sn):                        | 1 ÷ 10   |
| Max. switching frequency:                | 2000 Hz  |
| Repeatability (%Sn):                     | < = 3  |
| Current absorption at 8.2V:              | Target detected < = 1 mA - Target not detected >= 3 mA   |
| Led indicator:                           | Present  |
| Operating temperature limits:            | -25 ÷ +60 °C   |
| Storage temperature limits:              | -30 ÷ +70 °C   |
| IP rating:                               | IP 67  |
| Housing material:                        | Nickelled brass  |
| Cable type:                              | 2x0.25 mm <sup>2</sup> PVC   |
| Weight:                                  | 120 g  |
| Mechanical characteristics:              | SIPA 8x8x40  |
| Connection type:                         | Cable 5 m  |
| Explosive atmosphere type:               | Mixture Air/gas and/or Air/Dust  |
| Equipment category:                      | 1G / 1D  |
| Installation area:                       | Gas: Zone 0, Zone 1 and Zone 2 - Dust: Zone 20, Zone 21 and Zone22                                 |
| Protection method:                       | Intrinsically safe   |
| Marking:                                 | Gas: II 1G Ex ia IIC T5 Ga - Dust: II 1D Ex ia IIIC T100°C Da IP67 -25< Ta                         |
| Safety information:                      | Connection to certified intrinsically safe circuits only with the following values : Uo < = 17 V , |
| Conforming standard:                     | EN60079-0, EN60079-11, EN60079-26 and EN60947-5-6  |
| EC-type examination certificate - ATEX:  | IMQ 13 ATEX 019  |
| Certificate of conformity (CoC) - IECEx: | IECEx IMQ 13.0012X   |



Part number: YIP000060 - Model: SIPA8-N1.5 LC5 AGD1

## WIRING DIAGRAM

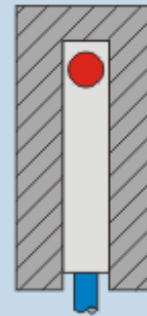
### 2 WIRES CABLE



## INSTRUCTIONS FOR CORRECT INSTALLATION

### INSTRUCTIONS FOR CORRECT INSTALLATION

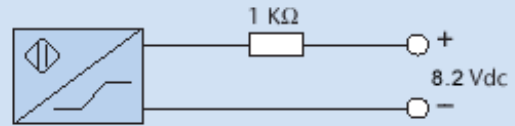
Type SIPA8



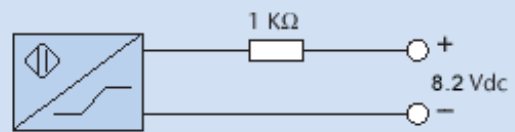
## WORKING PRINCIPLE



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



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



The NAMUR EX sensors are electronic devices whose absorbed current varies in the presence of a metallic object. The difference between these sensors and traditional sensors is the absence of amplifier trigger stages.