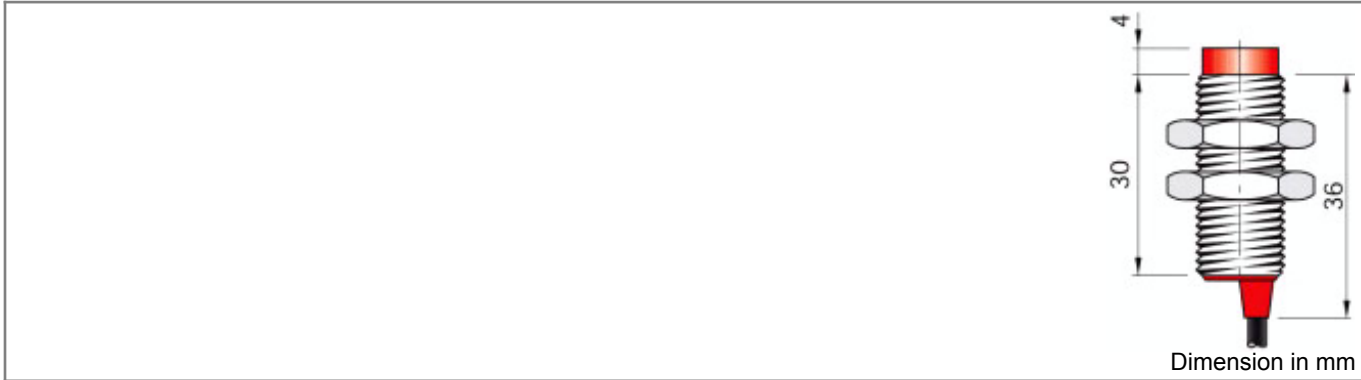




Part number: SIV000024 - Model: SI14-NE5



| TECHNICAL CHARACTERISTICS | |
|----------------------------------|----------------------------------|
| Power supply: | Direct current |
| Working voltage: | 5 ÷ 30 Vdc |
| Switching distance (mm): | 5 |
| Max switching frequency: | 2000 Hz |
| Repeatability (%Sn): | < = 3 |
| Absorption: | On < = 1 mA - Off >= 3 mA @ 8.2V |
| Temperature limits: | -25 ÷ +70 °C |
| IP rating: | IP 67 |
| Housing material: | Nickelled brass |
| Mechanical characteristics: | M14x1 |
| Connection type: | Cable 3 m |
| Cable type: | 2x0.25 PVC |
| Weigth: | 80 g |



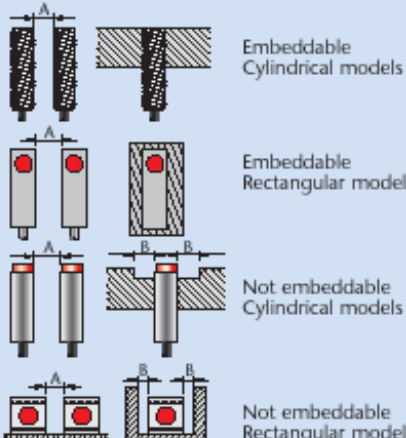
Part number: SIV00024 - Model: SI14-NE5

WIRING DIAGRAM



INSTRUCTIONS FOR CORRECT INSTALLATION

INSTRUCTIONS FOR CORRECT INSTALLATION



Embeddable Cylindrical models

Embeddable Rectangular models

Not embeddable Cylindrical models

Not embeddable Rectangular models

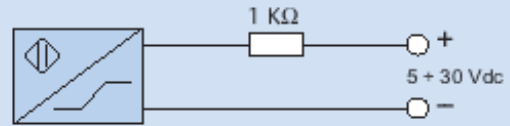
| | ▲ (A) mm | ● (A) mm | ● (B) mm |
|--------|-------------|-------------|-------------|
| SI 6.5 | ≥ 4 | ≥ 16 | ≥ 8 |
| SI 8 | ≥ 4 | ≥ 16 | ≥ 8 |
| SI 12 | ≥ 6 | ≥ 24 | ≥ 12 |
| SI 14 | ≥ 7 | ≥ 28 | ≥ 14 |
| SI 18 | ≥ 9 | ≥ 36 | ≥ 18 |
| SI 30 | ≥ 15 | ≥ 60 | ≥ 30 |
| SIP A8 | ≥ 2 | - | - |
| SIP C8 | ≥ 2 | - | - |
| SIP 10 | ≥ 10 | - | ≥ 0 |
| SIP 12 | ≥ 6 | ≥ 12 | ≥ 6 |
| SIP 17 | - | ≥ 20 | ≥ 6 |
| SIP 40 | ≥ 30 | ≥ 50 | ≥ 15 |
| SIQ 80 | - | ≥ 450 | ≥ 70 |

N.B. A = Mutual interference - B = Interference with metallic part

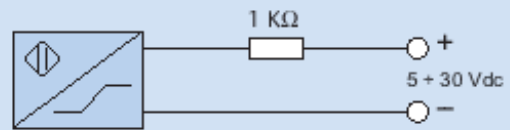
WORKING PRINCIPLE



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 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.