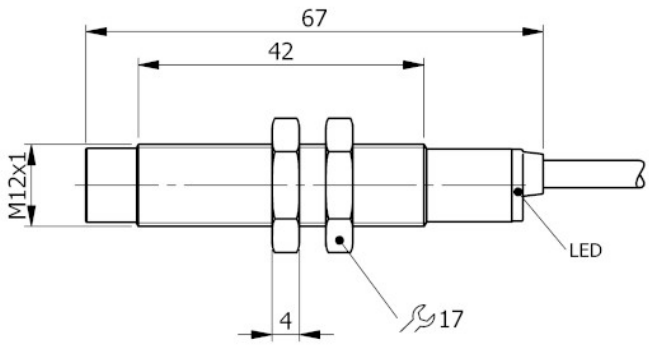
# POSITION SENSORS
## Inductive Sensors

Part number: **I12000007** Model: **SI12-AE4 NC**




Dimension in mm

## 1. TECHNICAL CHARACTERISTICS

| | | |
|---|---|---|
| **Electrical data** | | |
| Power supply type: | | Alternating current |
| Working voltage: | [V] | 20 ÷ 250 |
| Protection class: | | III |
| **Outputs** | | |
| Function: | | NC |
| Max voltage drop: | [V] | < 6 |
| Max output current: | [mA] | 300 |
| Minimum output current: | [mA] | 5 |
| Max peak current: | [A] | 1.5 |
| Residual current: | [mA] | < 1 |
| Max switching frequency: | [Hz] | 12 |
| **Detection zone** | | |
| Switching distance-Sn: | [mm] | 4 |
| Real sensing distance-Sr: | [mm] | 4 ±10% |
| Operative distance-So: | [mm] | 0 ÷ 3.24 |
| **Accuracy and Deviations** | | |
| Correction factor: | | Stainless steel: 0.9 - Brass: 0.5 - Aluminium: 0.4 - Copper: 0.4 |
| Hysteresis: | [%Sr] | < 10 |
| Switching point drift: | [%Sr] | -1 |
| Repeatability: | [%Sn] | < 3 |
| **Environmental conditions** | | |
| Temperature limits: | [°C] | -25°C ÷ +70°C |
| IP rating: | | IP65-IP66-IP67 |
| **Display and control elements** | | |
| Display: | | Output switching status - 1 x LED: Yellow |

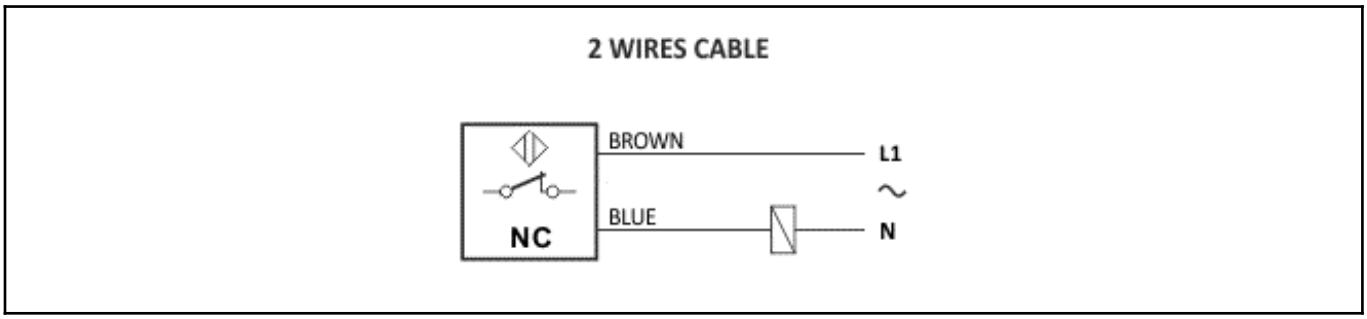


**Ci riserviamo il diritto di modificare senza preavviso i dati tecnici su questa scheda**

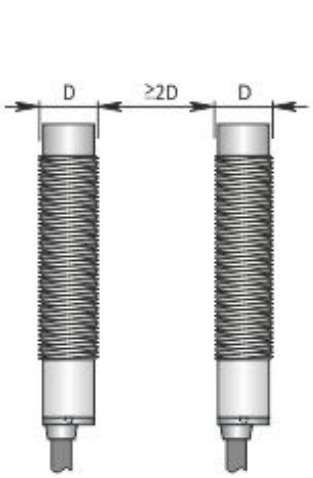
| Mechanical data | | |
|---|---|---|
| Housing: | | Threded type |
| Thread designation: | | M12x1 |
| Dimensions: | [mm] | M12x1 - L=67.5 |
| Materials: | | Housing: Nickel-plated brass - Sensing area: POM blue - Lock nuts: Nickel-plated brass |
| Mounting: | | Not embeddable |
| Weigth: | [g] | 80 |
| **Electrical connection** | | |
| Cable: | | 2 m - PVC/PVC - 2 x 0.25 mm² |
| **Compliance to Standards / Directives** | | |
| Directives compliance: | | 2014/30/EU -Electromagnetic compatibility directive (EMC)<br>2014/35/UE -Low voltage directive (LVD) |
| Standards compliance: | | EN60947-5-2 - Product standard |

## 2. NORME DI INSTALLAZIONE

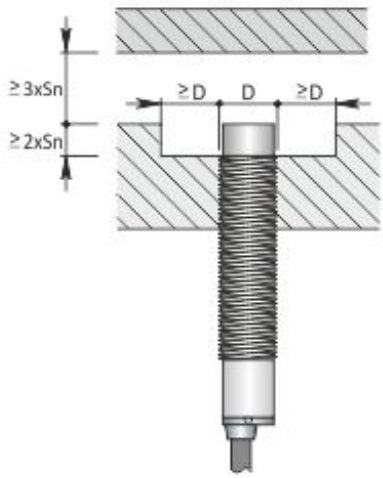
### WIRING DIAGRAM




### INSTRUCTIONS FOR CORRECT INSTALLATION



Side by side mounting



Non flush mounting