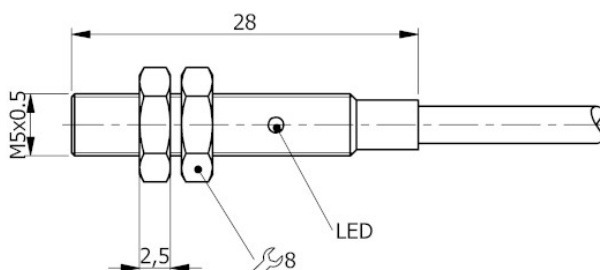


Part number: **I45000013** Model: **SI5-C0.8 PNP NC**



Dimension in mm

### 1. TECHNICAL CHARACTERISTICS



#### Electrical data

|                              |      |                 |
|------------------------------|------|-----------------|
| Power supply type:           |      | Direct current  |
| Working voltage:             | [V]  | 10 ÷ 30         |
| Current consumption:         | [mA] | < 10 mA @ 24Vdc |
| Protection class:            |      | III             |
| Reverse polarity protection: |      | Presente        |

#### Outputs

|                           |      |         |
|---------------------------|------|---------|
| Electrical design:        |      | PNP     |
| Function:                 |      | NC      |
| Max voltage drop:         | [V]  | < 1.4   |
| Max output current:       | [mA] | 100     |
| Max switching frequency:  | [Hz] | 2000    |
| Short circuit protection: |      | Present |
| Overload protection:      |      | Present |

#### Detection zone

|                           |      |          |
|---------------------------|------|----------|
| Switching distance-Sn:    | [mm] | 0.8      |
| Real sensing distance-Sr: | [mm] | 0.8 ±10% |
| Operative distance-So:    | [mm] | 0 ÷ 0.65 |

#### 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 |
|----------|-------------------------------------------|

### Mechanical data

|                     |                                                                              |
|---------------------|------------------------------------------------------------------------------|
| Housing:            | Threded type                                                                 |
| Thread designation: | M5x0.5                                                                       |
| Dimensions: [mm]    | M5x0.5 - L=28                                                                |
| Materials:          | Housing: AISI 303 - Sensing area: POM black - Lock nuts: Nickel-plated brass |
| Mounting:           | Embeddable                                                                   |
| Weigth: [g]         | 40                                                                           |

### Electrical connection

|        |                                             |
|--------|---------------------------------------------|
| Cable: | 2 m - PUR/TPE-E - 3 x 0.094 mm <sup>2</sup> |
|--------|---------------------------------------------|

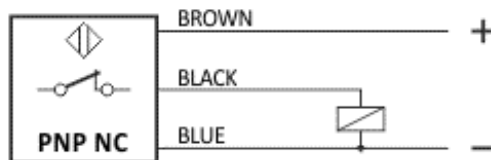
### Compliance to Standards / Directives

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| Directives compliance: | 2014/30/EU -Electromagnetic compatibility directive (EMC) |
| Standards compliance:  | EN60947-5-2 - Product standard                            |

## 2. NORME DI INSTALLAZIONE

### WIRING DIAGRAM

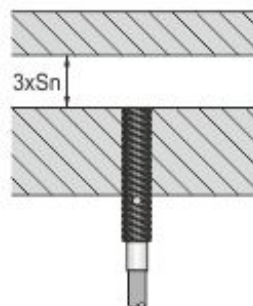
#### 3 WIRES CABLE



### INSTRUCTIONS FOR CORRECT INSTALLATION



Side by side mounting



Flush mounting