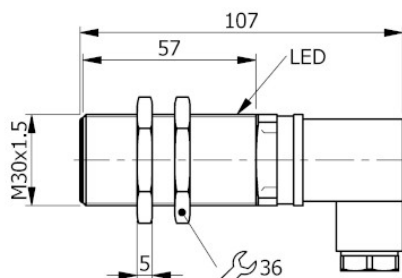


Part number: **I30000054** Model: **SI30-C10 PNP NO K**



Dimension in mm



### 1. TECHNICAL CHARACTERISTICS

#### Electrical data

|                              |      |                 |
|------------------------------|------|-----------------|
| Power supply type:           |      | Direct current  |
| Working voltage:             | [V]  | 10 ÷ 30         |
| Current consumption:         | [mA] | < 15 mA @ 24Vdc |
| Protection class:            |      | III             |
| Reverse polarity protection: |      | Presente        |

#### Outputs

|                                   |      |         |
|-----------------------------------|------|---------|
| Electrical design:                |      | PNP     |
| Function:                         |      | NO      |
| Max voltage drop:                 | [V]  | < 1.8   |
| Max output current:               | [mA] | 200     |
| Max switching frequency:          | [Hz] | 300     |
| Short circuit protection:         |      | Present |
| Type of short-circuit protection: |      | Pulsed  |
| Overload protection:              |      | Present |

#### Detection zone

|                           |      |          |
|---------------------------|------|----------|
| Switching distance-Sn:    | [mm] | 10       |
| Real sensing distance-Sr: | [mm] | 10 ±10%  |
| Operative distance-So:    | [mm] | 0 ÷ 8.10 |

#### 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] | -10 ÷ +10                                                        |
| Repeatability:         | [%Sn] | < 3                                                              |

#### Environmental conditions

|                     |      |           |
|---------------------|------|-----------|
| Temperature limits: | [°C] | -25 ÷ +70 |
| IP rating:          |      | IP65      |

### Display and control elements

|          |                                           |
|----------|-------------------------------------------|
| Display: | Output switching status - 1 x LED: Yellow |
|----------|-------------------------------------------|

### Mechanical data

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Housing:            | Threded type                                                                         |
| Thread designation: | M30x1.5                                                                              |
| Dimensions:         | [mm] M30x1.5 - L=71                                                                  |
| Materials:          | Housing: Nickel-plated brass - Sensing area: PC red - Lock nuts: Nickel-plated brass |
| Mounting:           | Embeddable                                                                           |
| Weigth:             | [g] 210                                                                              |

### Electrical connection

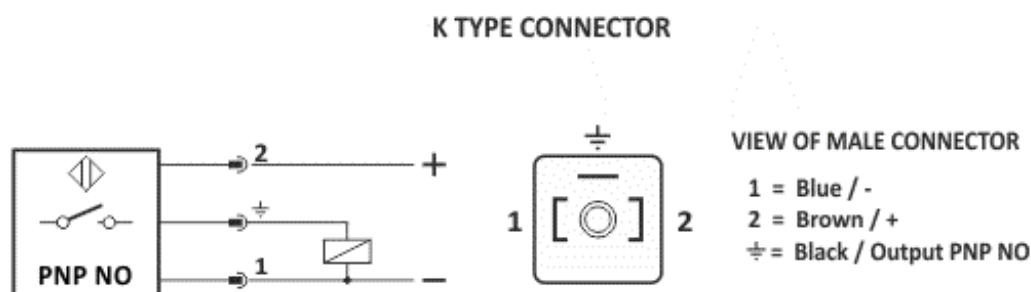
|            |                                 |
|------------|---------------------------------|
| Connector: | K Type - 3 poles - EN 17301-803 |
|------------|---------------------------------|

### 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



### INSTRUCTIONS FOR CORRECT INSTALLATION

