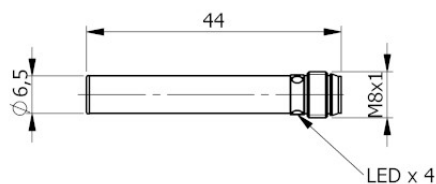


Part number: **I65000047** Model: **SI6.5-DC2 PNP NO H1 S**

Dimension in mm

## 1. TECHNICAL CHARACTERISTICS



### Electrical data

|                              |                 |
|------------------------------|-----------------|
| Power supply type:           | Direct current  |
| Working voltage: [V]         | 6 ÷ 30          |
| Current consumption: [mA]    | < 12 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]     | 2000    |
| Short circuit protection:         | Present |
| Type of short-circuit protection: | Pulsed  |
| Overload protection:              | Present |

### Detection zone

|                                |          |
|--------------------------------|----------|
| Switching distance-Sn: [mm]    | 2        |
| Real sensing distance-Sr: [mm] | 2 ±10%   |
| Operative distance-So: [mm]    | 0 ÷ 1.62 |
| Extended sensing distance:     | Si       |

### 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-IP66-IP67 (depending on connector ) |

### Display and control elements

|          |                                               |
|----------|-----------------------------------------------|
| Display: | Output switching status - 4 x 90° LED: Yellow |
|----------|-----------------------------------------------|

### Mechanical data

|             |                                            |
|-------------|--------------------------------------------|
| Housing:    | Smooth cylindrical                         |
| Dimensions: | [mm] $\varnothing 6.5 - L=44$              |
| Materials:  | Housing: AISI 303 - Sensing area: POM grey |
| Mounting:   | Embeddable                                 |
| Weight:     | [g] 20                                     |

### Electrical connection

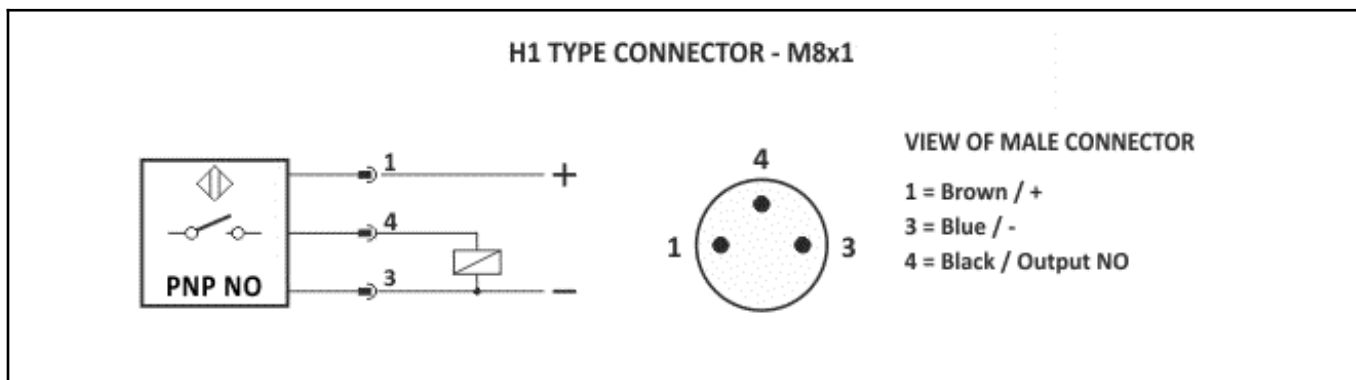
|            |                                       |
|------------|---------------------------------------|
| Connector: | H1 type - M8X1 - gold plated contacts |
|------------|---------------------------------------|

### 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

