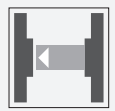




## Safety thru-beam sensor INNO-PRO-10M-OSE-13m

WITTSensoric

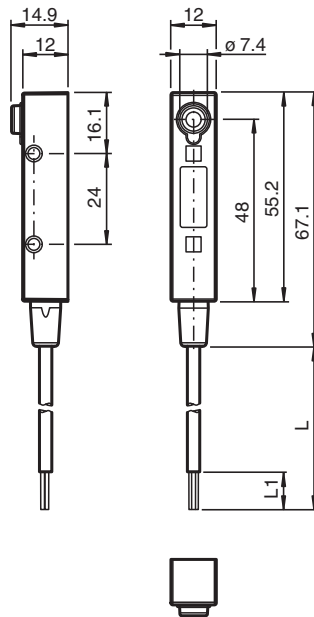


- Indicator LED in the viewing window
- OSE Output
- Not sensitive to ambient light
- High degree of protection (IP67), fully encapsulated
- Small size

Safety thru-beam sensor



### Dimensions



### Technical Data

#### System components

|          |            |
|----------|------------|
| Emitter  | INNO-PRO-T |
| Receiver | INNO-PRO-R |

#### General specifications

|                                       |                                 |
|---------------------------------------|---------------------------------|
| Effective detection range             | 1 ... 10 m                      |
| Threshold detection range             | 14 m                            |
| Number of protective field beams      | 1                               |
| Light source                          | IRED                            |
| Light type                            | modulated infrared light 850 nm |
| Safety type according to IEC/EN 61496 | 4                               |

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## Technical Data

|                                   |                |  |
|-----------------------------------|----------------|--|
| Marking                           |                | CE   |
| Diameter of the light spot        |                | approx. 1.4 m at a distance of 10 m  |
| Opening angle                     |                | ± 4 °  |
| Optical face                      |                | frontal  |
| Ambient light limit               |                | 100000 Lux   |
| <b>Indicators/operating means</b> |                |  |
| Operation indicator               |                | Receiver: LED red  |
| Function indicator                |                | emitter<br>LED red: lit when the light beam is interrupted<br>LED green: lights up when light beam is free |
| Stability alarm indicator         |                | Emitter: flashing red/green  |
| <b>Electrical specifications</b>  |                |  |
| Operating voltage                 | U <sub>B</sub> | 10 ... 30 V DC   |
| Operating current                 | I <sub>B</sub> | Emitter: typ. 20 mA<br>Receiver: typ. 10 mA  |
| Power consumption                 | P <sub>0</sub> |  |
| <b>Output</b>                     |                |  |
| Output type                       |                | OSE  |
| Switching type                    |                | light-on   |
| Signal output                     |                | max. 30 ... 40 mA  |
| Short-circuit-proof               |                | yes  |
| Energized/De-energized delay      |                | typ. 100 ms  |
| <b>Conformity</b>                 |                |  |
| Functional safety                 |                | ISO 13849-1 , Cat. 2 PL d  |
| Product standard                  |                | EN 61000-6-2, EN 61000-6-3 , EN 12978  |
| <b>Ambient conditions</b>         |                |  |
| Ambient temperature               |                | -25 ... 55 °C (-13 ... 131 °F)   |
| Storage temperature               |                | -25 ... 75 °C (-13 ... 167 °F)   |
| Relative humidity                 |                | max. 95 %, not condensing  |
| <b>Mechanical specifications</b>  |                |  |
| Degree of protection              |                | IP67 according to EN 60529   |
| Connection                        |                | 13 m fixed cable   |
| <b>Material</b>                   |                |  |
| Housing                           |                | ABS impact resistant , V0 according UL94   |
| Mass                              |                | 360 g  |
| <b>Dimensions</b>                 |                |  |
| Height                            |                | 48 mm  |
| Width                             |                | 12 mm  |
| Depth                             |                | 12 mm  |