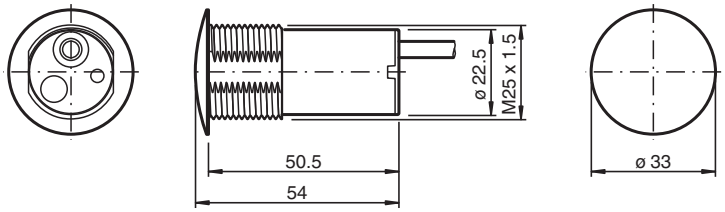


# Thru-beam sensor
# ARGOS-20M-LRS-3F

- Indicator LED on the front
- Protection against cross-talk with up to four devices
- Relay output
- Three sensors with different emitter frequencies included in the scope of delivery

Thru-beam sensor

## Dimensions




## Technical Data

| | | |
|---|---|---|
| **System components** | | |
| Emitter | | ARGOS-T |
| Receiver | | ARGOS-R |
| **General specifications** | | |
| Effective detection range | | 0.5 ... 20 m |
| Threshold detection range | | 28 m |
| Number of protective field beams | | 1 |
| Light source | | IRED |
| Light type | | modulated infrared light 950 nm |
| Marking | | CE |
| Diameter of the light spot | | approx. 7.3 m at a distance of 20 m |
| Opening angle | | 20 ° |
| Optical face | | frontal |
| Ambient light limit | | 100000 Lux |
| **Indicators/operating means** | | |
| Operation indicator | | emitter LED green: power on |
| Function indicator | | Receiver:<br>LED red: lit when the light beam is interrupted |
| Stability alarm indicator | | Receiver: flashing (approx. 4 Hz) |
| **Electrical specifications** | | |
| Operating voltage | $U_B$ | 10 ... 30 V AC<br>10 ... 40 V DC |
| Operating current | $I_B$ | Emitter: ≤ 10 mA<br>Receiver: ≤ 25 mA |
| Power consumption | $P_0$ | Emitter: ≤ 0.4 VA<br>Receiver: ≤ 1 VA |

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## Technical Data

| | | |
|---|---|---|
| **Output** | | |
| Output type | | relay , NO contact |
| Switching type | | light-on |
| Switching voltage | | DC: max. 48 V AC: max. 50 V |
| Switching current | | DC: max. 0.5 A AC: max. 0.6 A |
| Energized/De-energized delay | | typ. 100 ms |
| Response time | | ≤ 100 ms |
| **Conformity** | | |
| Product standard | | EN 61000-6-2, EN 61000-6-3 |
| **Ambient conditions** | | |
| Ambient temperature | | -20 ... 75 °C (-4 ... 167 °F) |
| Storage temperature | | -20 ... 75 °C (-4 ... 167 °F) |
| **Mechanical specifications** | | |
| Degree of protection | | IP67 according to EN 60529 |
| Connection | | Emitter: 0.25 $mm^2$ , 3-wire 4 m fixed cable<br>Receiver: 0.25 $mm^2$ , 5-wire 4 m fixed cable |
| Material | | |
| Housing | | PC2805 RF |
| Mass | | Emitter: 116 g<br>Receiver: 131 g |
| Dimensions | | |
| Length | | 55 mm |
| Diameter | | 22.5 mm |

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