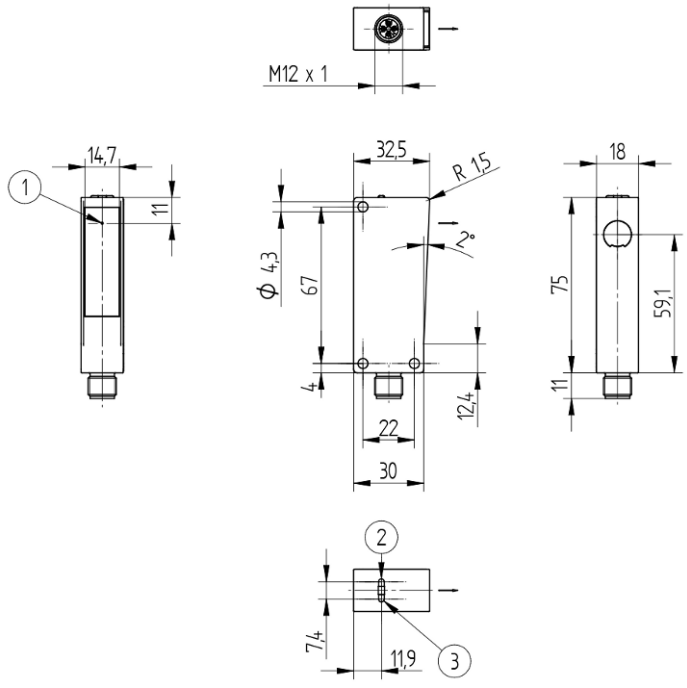
wenglor
the innovative family

# Technical Data
# P1NS201
# Through-Beam Sensor






| Symbol | Key |
|---|---|
| 1 | Emitter diode |
| 2 | Power LED |
| 3 | Function indicator |

EN

Dimensions in mm
Subject to change without notice
Version 0
**www.wenglor.com**

## Technical data

| Optical Data | |
|---|---|
| Range | 60000 mm |
| Light Source | LED, red |
| Service Life (T = +25 °C) | 100000 h |
| Opening Angle | 4 ° |
| Light Spot Diameter | see table 1 |
| Optical axis | Aligned |
| Switching point | Calibrated |

| Electrical Data | |
|---|---|
| Sensor Type | Emitter |
| Supply Voltage | 10...30 V DC |
| Current Consumption (Ub = 24 V) | < 30 mA |
| Temperature Drift | < 10 % |
| Temperature Range | -40...60 °C |
| Reverse Polarity Protection | yes |
| Test input | yes |
| Protection Class | III |

| Mechanical Data | |
|---|---|
| Housing Material | Plastic, ABS/PC |
| Degree of Protection | IP67<br>IP68 |
| Connection | M12 × 1; 4-pin |
| Optic Cover | Plastic, PMMA |

| Safety-relevant Data | |
|---|---|
| MTTFd (EN ISO 13849-1) | 4534.36 a |

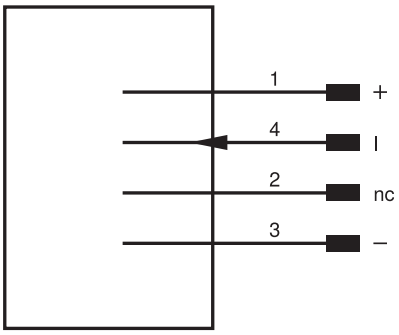
| General Data | |
|---|---|
| Scope of delivery | 1 × initial start-up instructions<br>1 × sensor |

| Adjustable parameters | |
|---|---|
| Other parameters | Emitted light |

All other parameters can be found in the product documentation.

| BMECat data | |
|---|---|
| eCl@ss 5.1.4 | 27-27-09-01 One-way light barrier |
| eCl@ss 6.x | 27-27-09-01 One-way light barrier |
| eCl@ss 7.0 | 27-27-09-01 One-way light barrier |
| eCl@ss 7.1 | 27-27-09-01 One-way light barrier |
| eCl@ss 8.x | 27-27-09-01 One-way light barrier |
| eCl@ss 10.0.1 | 27-27-09-01 One-way light barrier |

## Technical illustrations




| Pin | Pin function | Polarity |
|---|---|---|
| 1 | Supply Voltage + | |
| 2 | Not connected | |
| 3 | Supply voltage 0 V | |
| 4 | | High activ |

| Table 1 | | | |
|---|---|---|---|
| Distance transmitter/receiver | 1 m | 5 m | 60 m |
| Light Spot Diameter | 80 mm | 200 mm | 2400 mm |