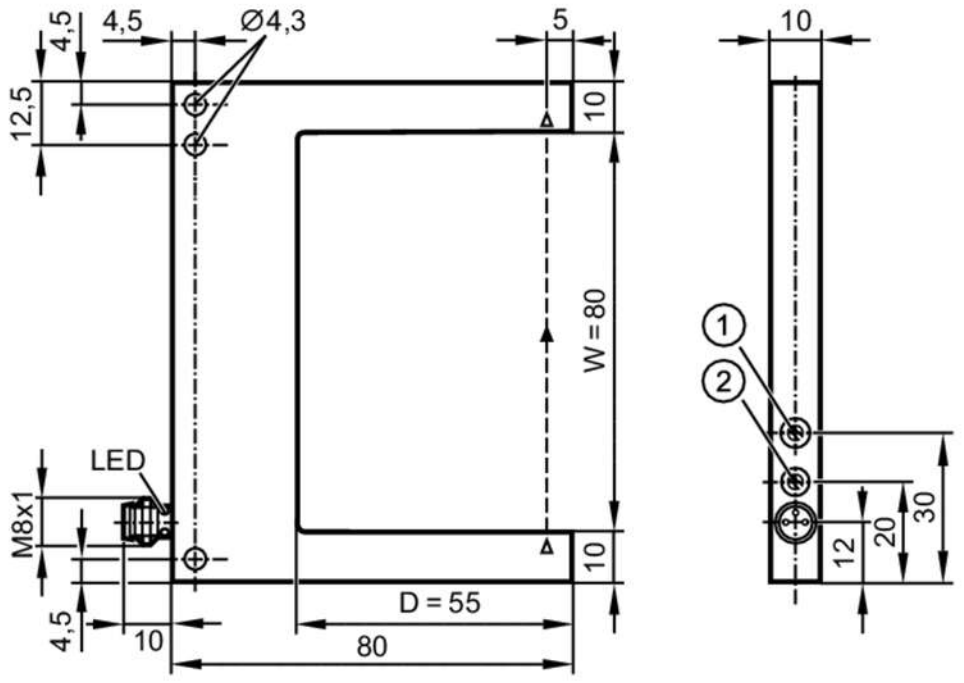
# OPU210

## Photoelectric fork sensor

OPU-FNKG/IO-LINK/AS




1 potentiometer sensitivity
2 output function switch

| | | |
|---|---|---|
| **Product characteristics** | | |
| Type of light | | red light |
| **Electrical data** | | |
| Operating voltage | [V] | 10...30 DC; ("supply class 2" to cULus) |
| Current consumption | [mA] | < 30 |
| Protection class | | III |
| Reverse polarity protection | | yes |
| Type of light | | red light |
| Wave length | [nm] | 660 |
| **Outputs** | | |
| Electrical design | | NPN |
| Output function | | light-on/dark-on mode; (selectable) |
| Max. voltage drop switching output DC | [V] | 1 |
| Permanent current rating of switching output DC | [mA] | 100 |
| Switching frequency DC | [Hz] | 5000 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |

# OPU210

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| | | | |
|---|---|---|---|
| **Detection zone** | | | |
| Diameter of the smallest detectable object | [mm] | 0.3 | |
| **Interfaces** | | | |
| Communication interface | | IO-Link | |
| Transmission type | | COM2 (38,4 kBaud) | |
| IO-Link revision | | 1.1 | |
| SDCI standard | | IEC 61131-9 | |
| Profiles | | Smart Sensor: Device Identification; Device Diagnosis; Teach Channel; Switching Channel; Process Data Variable | |
| SIO mode | | yes | |
| Required master port type | | A | |
| Min. process cycle time | [ms] | 3.2 | |
| Supported DeviceIDs | | **Type of operation** | **DeviceID** |
| | | default | 1103 |
| **Operating conditions** | | | |
| Ambient temperature | [°C] | -25...60 | |
| Protection | | IP 67 | |
| **Tests / approvals** | | | |
| EMC | | EN 60947-5-2 | |
| MTTF | [years] | 709 | |
| **Mechanical data** | | | |
| Weight | [g] | 164 | |
| Dimensions | [mm] | 100 x 10 x 80 | |
| Fork depth D | [mm] | 55 | |
| Fork width W | [mm] | 80 | |
| Materials | | housing: diecast zinc black anodised; lens: glass | |
| **Displays / operating elements** | | | |
| Display | | switching status | 1 x LED, yellow |
| **Remarks** | | | |
| Remarks | | operating voltage "supply class 2" according to cULus | |
| Pack quantity | | 1 pcs. | |

**Electrical connection**

Connector: 1 x M8; coding: A

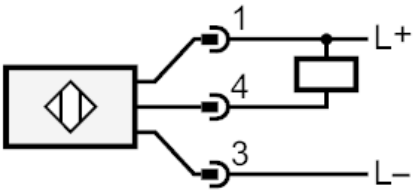


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## Photoelectric fork sensor

**OPU-FNKG/IO-LINK/AS**

## Connection




| | |
|---|---|
| 4 | OUT / IO-Link |