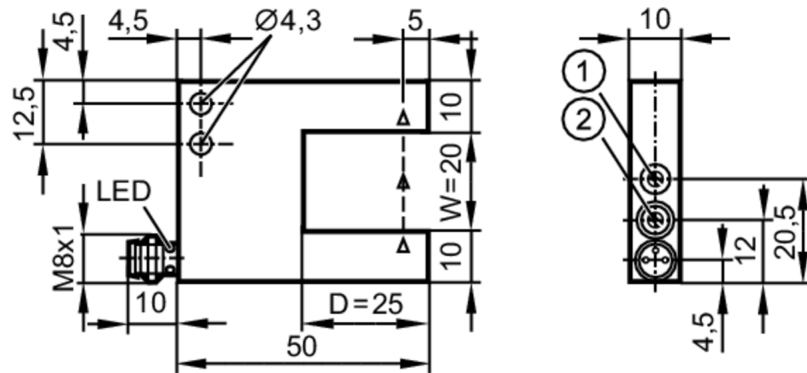




Photoelectric fork sensor

OPU-FNKG/IO-LINK/AS



- 1 potentiometer sensitivity
- 2 output function switch



Product characteristics

| | |
|-------------------------|--------------|
| Type of light | red light |
| Communication interface | IO-Link |
| Dimensions [mm] | 40 x 10 x 50 |

Electrical data

| | |
|-----------------------------|---|
| Operating voltage [V] | 10...30 DC; (operating voltage "supply class 2" according 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 |

Detection zone

| | |
|---|-----|
| Diameter of the smallest detectable object [mm] | 0.3 |
|---|-----|



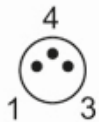
Photoelectric fork sensor

OPU-FNKG/IO-LINK/AS

| Interfaces | | |
|-------------------------------|------------------|--|
| Communication interface | | IO-Link |
| Transmission type | | COM2 (38,4 kBaud) |
| IO-Link revision | | 1.1 |
| SDCI standard | | IEC 61131-9 |
| IO-Link device ID | | 1103 d / 00 04 4F h |
| 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 |
| Operating conditions | | |
| Ambient temperature | [°C] | -25...60 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | | EN 60947-5-2 |
| MTTF | [years] | 709 |
| Mechanical data | | |
| Weight | [g] | 75 |
| Dimensions | [mm] | 40 x 10 x 50 |
| Fork depth D | [mm] | 25 |
| Fork width W | [mm] | 20 |
| 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



OPU207



Photoelectric fork sensor

OPU-FNKG/IO-LINK/AS

Connection



4

OUT / IO-Link