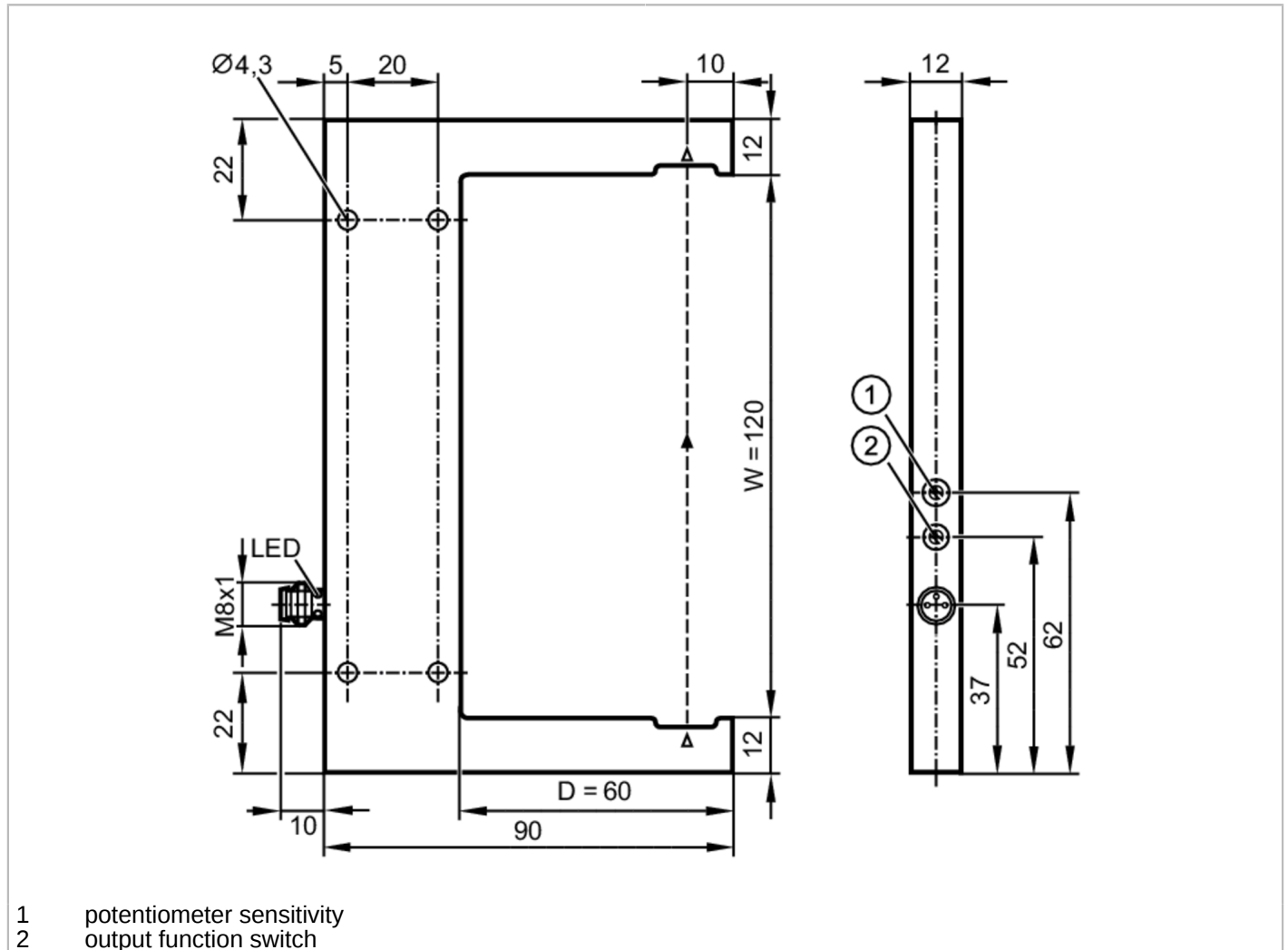


# OPU205



## Photoelectric fork sensor

OPU-FCKG/IO-LINK/AS



### Product characteristics

|                         |               |
|-------------------------|---------------|
| Type of light           | red light     |
| Communication interface | IO-Link       |
| Dimensions [mm]         | 144 x 12 x 90 |

### 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   |

# OPU205



## Photoelectric fork sensor

OPU-FCKG/IO-LINK/AS

| Outputs   |                  |  |
|---|------------------|--|
| Electrical design                               |                  | PNP  |
| 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]             | 0.5  |
| 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                               |                  | 1104 d / 00 04 50 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]              | 296.5  |
| Dimensions                                      | [mm]             | 144 x 12 x 90  |
| Fork depth D                                    | [mm]             | 60   |
| Fork width W                                    | [mm]             | 120  |
| 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                               |                  |  |

# OPU205

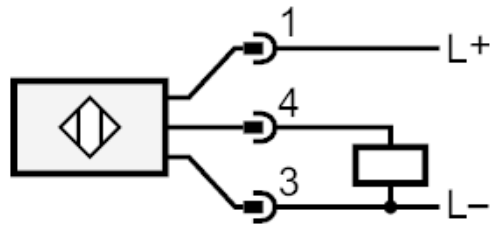


## Photoelectric fork sensor

OPU-FCKG/IO-LINK/AS



### Connection



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OUT / IO-Link