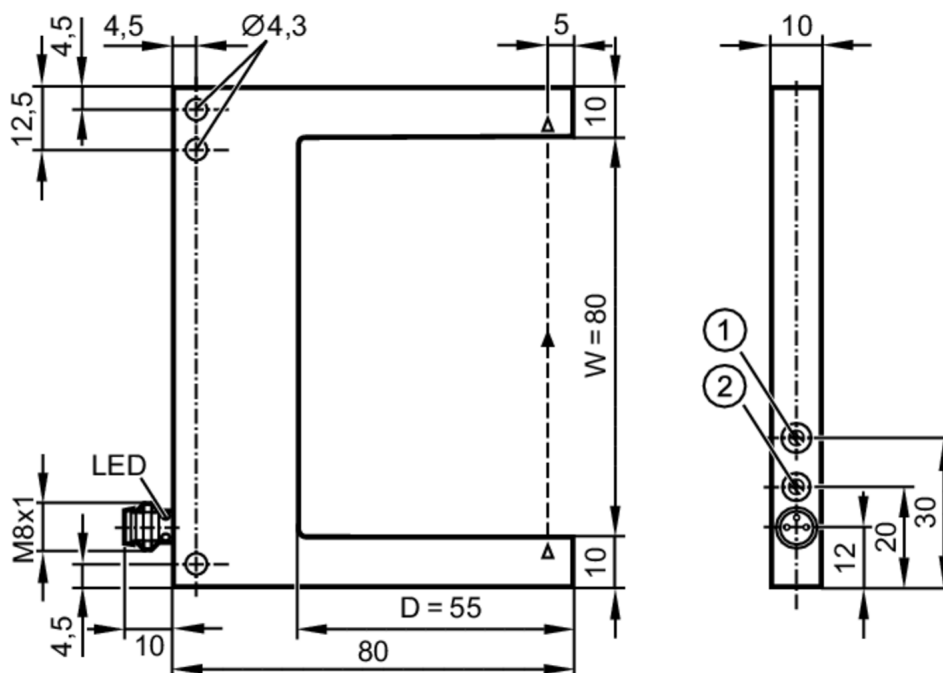


# OPU210



## Optical fork sensor

OPU-FNKG/AS



- 1 potentiometer sensitivity  
2 output function switch



### Electrical data

|                             |      |            |
|-----------------------------|------|------------|
| Operating voltage           | [V]  | 10...35 DC |
| 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]  | 2.8                                 |
| Permanent current rating of switching output DC | [mA] | 200                                 |
| Switching frequency DC                          | [Hz] | 4000                                |
| Short-circuit protection                        |      | yes                                 |
| Type of short-circuit protection                |      | pulsed                              |
| Overload protection                             |      | yes                                 |

### Detection zone

|                                            |      |     |
|--------------------------------------------|------|-----|
| Diameter of the smallest detectable object | [mm] | 0.5 |
|--------------------------------------------|------|-----|

# OPU210



## Optical fork sensor

OPU-FNKG/AS

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...60 |
| Protection          |      | IP 67    |

### Tests / approvals

|      |         |              |
|------|---------|--------------|
| EMC  |         | EN 60947-5-2 |
| MTTF | [years] | 571          |

### Mechanical data

|              |      |                                                   |
|--------------|------|---------------------------------------------------|
| Weight       | [g]  | 132.4                                             |
| 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

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection

Connector: 1 x M8



### Connection

