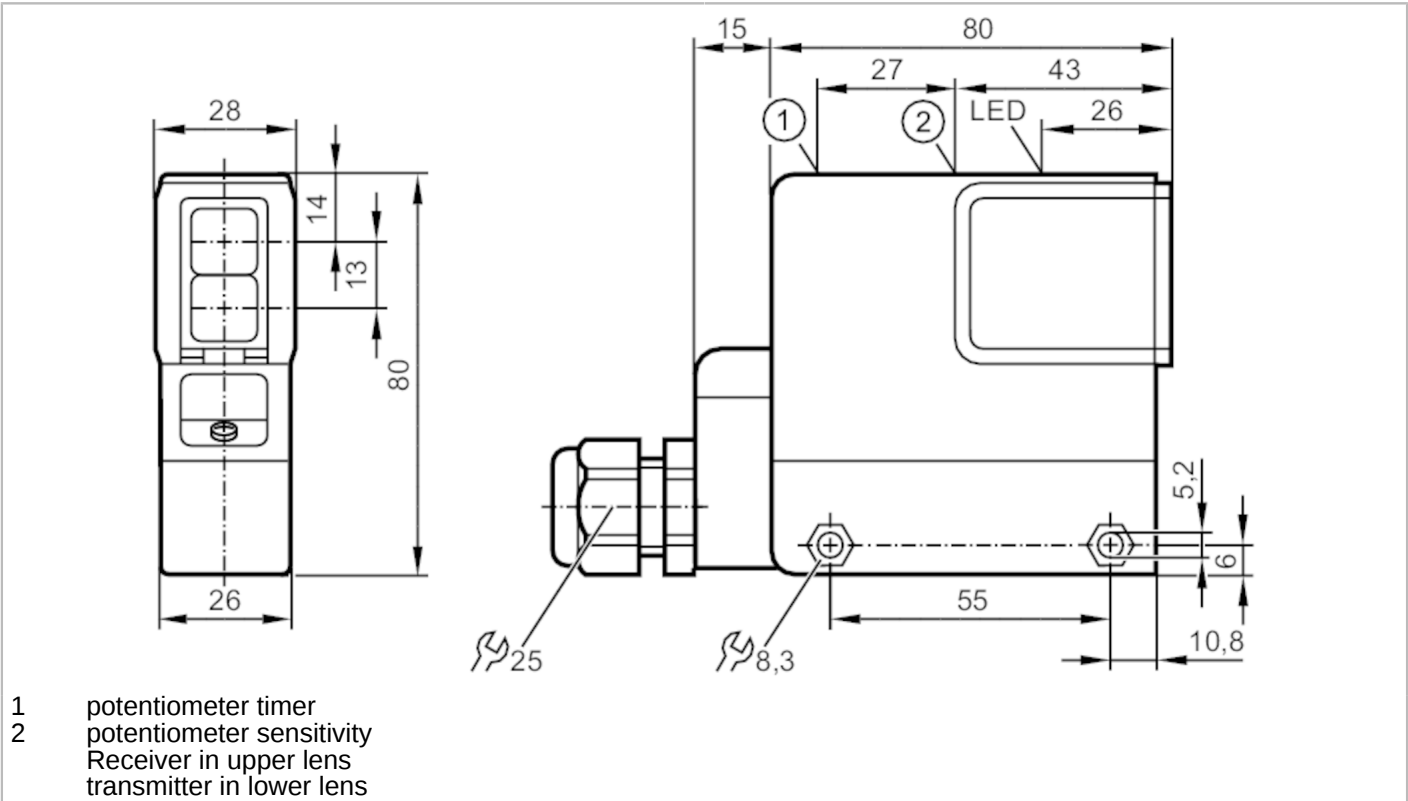


# OS5016



## Retro-reflective sensor

OSR-FPKG



### Product characteristics

|               |                |
|---------------|----------------|
| Type of light | Infrared light |
| Housing       | rectangular    |

### Application

|                    |                         |
|--------------------|-------------------------|
| Function principle | Retro-reflective sensor |
|--------------------|-------------------------|

### Electrical data

|                             |      |                |
|-----------------------------|------|----------------|
| Operating voltage           | [V]  | 10...55 DC     |
| Current consumption         | [mA] | 30; ((24 V))   |
| Protection class            |      | II             |
| Reverse polarity protection |      | yes            |
| Type of light               |      | Infrared light |
| Wave length                 | [nm] | 950            |



## Retro-reflective sensor

OSR-FPKG

| Outputs                                              |                                          |                 |
|------------------------------------------------------|------------------------------------------|-----------------|
| Electrical design                                    | PNP                                      |                 |
| Output function                                      | light-on/dark-on mode; (programmable)    |                 |
| Max. voltage drop switching output DC [V]            | 2.5                                      |                 |
| Permanent current rating of switching output DC [mA] | 250                                      |                 |
| Switching frequency DC [Hz]                          | 100                                      |                 |
| Short-circuit protection                             | yes                                      |                 |
| Type of short-circuit protection                     | yes (non-latching)                       |                 |
| Overload protection                                  | yes                                      |                 |
| Monitoring range                                     |                                          |                 |
| Range referred to prismatic reflector [m]            | 10; (Prismatic reflector Ø 80 E20005)    |                 |
| Range adjustable                                     | yes                                      |                 |
| Operating conditions                                 |                                          |                 |
| Ambient temperature [°C]                             | -25...80                                 |                 |
| Protection                                           | IP 65                                    |                 |
| Tests / approvals                                    |                                          |                 |
| EMC                                                  | EN 60947-5-2                             |                 |
| MTTF [years]                                         | 632                                      |                 |
| Mechanical data                                      |                                          |                 |
| Weight [g]                                           | 275                                      |                 |
| Housing                                              | rectangular                              |                 |
| Dimensions [mm]                                      | 80 x 28 x 95                             |                 |
| Material                                             | PPO modified                             |                 |
| Lens material                                        | glass                                    |                 |
| Lens alignment                                       | Side sensing                             |                 |
| Displays / operating elements                        |                                          |                 |
| Display                                              | Switching status                         | 1 x LED, yellow |
| Accessories                                          |                                          |                 |
| Items supplied                                       | Angle bracket: 1, E20210<br>screwdrivers |                 |
| Remarks                                              |                                          |                 |
| Pack quantity                                        | 1 pcs.                                   |                 |

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## Retro-reflective sensor

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### Electrical connection

terminals: ...1.5 mm<sup>2</sup>; Cable gland: M20 X 1.5

### Connection

