

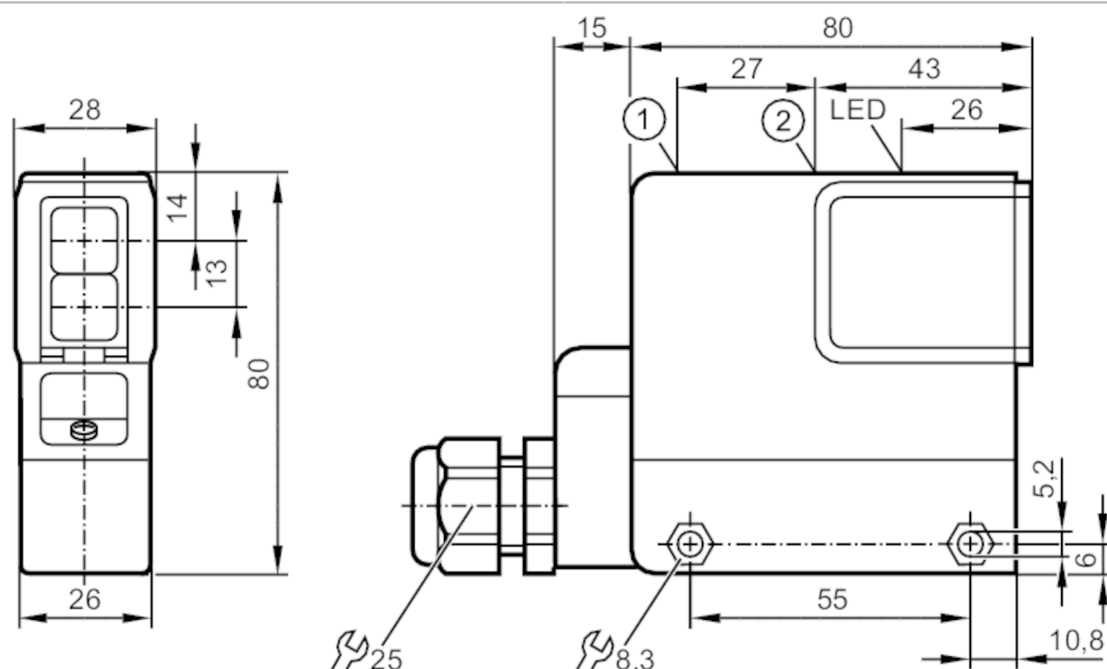
## Retro-reflective sensor

OSP-FPKG

phase-out article

Alternative articles: O4P500

When selecting an alternative article and accessories please note that technical data may differ!



- 1 potentiometer timer
- 2 potentiometer sensitivity
- receiver in upper lens
- transmitter in lower lens



### Product characteristics

|               |             |
|---------------|-------------|
| Type of light | red light   |
| Housing       | rectangular |

### Application

|                    |                         |
|--------------------|-------------------------|
| Special feature    | polarisation filter     |
| Function principle | Retro-reflective sensor |

### Electrical data

|                             |      |              |
|-----------------------------|------|--------------|
| Operating voltage           | [V]  | 10...55 DC   |
| Current consumption         | [mA] | 25; ((24 V)) |
| Protection class            |      | II           |
| Reverse polarity protection |      | yes          |
| Type of light               |      | red light    |
| Wave length                 | [nm] | 660          |

### Outputs

|                                       |     |                                       |
|---------------------------------------|-----|---------------------------------------|
| Electrical design                     |     | PNP                                   |
| Output function                       |     | light-on/dark-on mode; (programmable) |
| Max. voltage drop switching output DC | [V] | 2.5                                   |



## Retro-reflective sensor

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|                                                 |      |        |
|-------------------------------------------------|------|--------|
| Permanent current rating of switching output DC | [mA] | 250    |
| Switching frequency DC                          | [Hz] | 100    |
| Short-circuit protection                        |      | yes    |
| Type of short-circuit protection                |      | pulsed |
| Overload protection                             |      | yes    |

## Detection zone

|                                       |     |                                      |
|---------------------------------------|-----|--------------------------------------|
| Range referred to prismatic reflector | [m] | 6; (Prismatic reflector Ø 80 E20005) |
| Range adjustable                      |     | yes                                  |
| Polarisation filter available         |     | yes                                  |

## Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...60 |
| Protection          |      | IP 65    |

## Tests / approvals

|      |         |              |         |
|------|---------|--------------|---------|
| EMC  |         | EN 60947-5-2 |         |
|      |         | EN 55011     | class B |
| MTTF | [years] | 634          |         |

## Mechanical data

|                |      |              |
|----------------|------|--------------|
| Weight         | [g]  | 275.2        |
| Housing        |      | rectangular  |
| Dimensions     | [mm] | 80 x 28 x 95 |
| Materials      |      | PPO modified |
| Lens material  |      | glass        |
| Lens alignment |      | side lens    |

## Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

## Accessories

|                |                          |
|----------------|--------------------------|
| Items supplied | Angle bracket: 1, E20210 |
|                | screwdrivers             |

## Remarks

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

# OS5031



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OSP-FPKG

### Electrical connection

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

### Connection

