

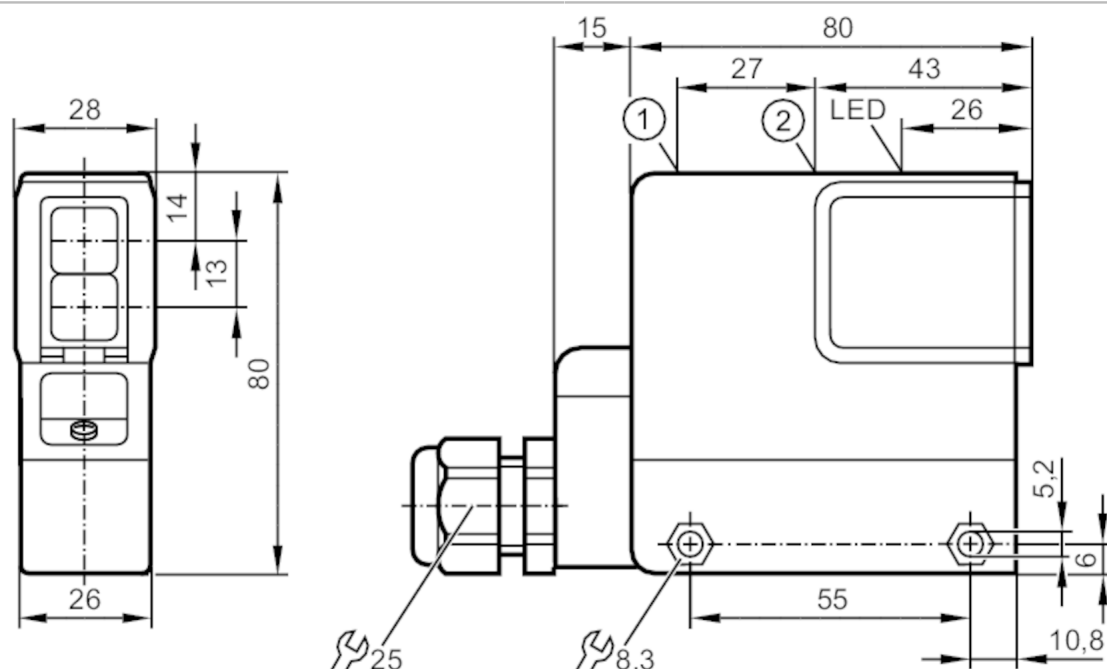
## Retro-reflective sensor

OSR-FNKG

Article no longer available - archive entry

Alternative articles: OA5104

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 | 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            |

## Outputs

|                                                      |                                          |
|------------------------------------------------------|------------------------------------------|
| Electrical design                                    | NPN                                      |
| Output function                                      | light-on/dark-on mode; (parameterisable) |
| 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                                      |

**Retro-reflective sensor**

OSR-FNKG

|                                  |        |
|----------------------------------|--------|
| Type of short-circuit protection | pulsed |
| Overload protection              | yes    |

**Detection zone**

|                  |                                         |
|------------------|-----------------------------------------|
| Range [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 |
|-----|--------------|

**Mechanical data**

|                 |              |
|-----------------|--------------|
| Housing         | rectangular  |
| Dimensions [mm] | 80 x 28 x 95 |
| Materials       | PPO modified |
| Lens material   | glass        |

**Displays / operating elements**

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

**Accessories**

|                |               |
|----------------|---------------|
| Items supplied | Angle bracket |
|                | screwdrivers  |

**Remarks**

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

**Electrical connection**terminals: ...1.5 mm<sup>2</sup>; Cable sheath: Ø 7...13 mm**Connection**