



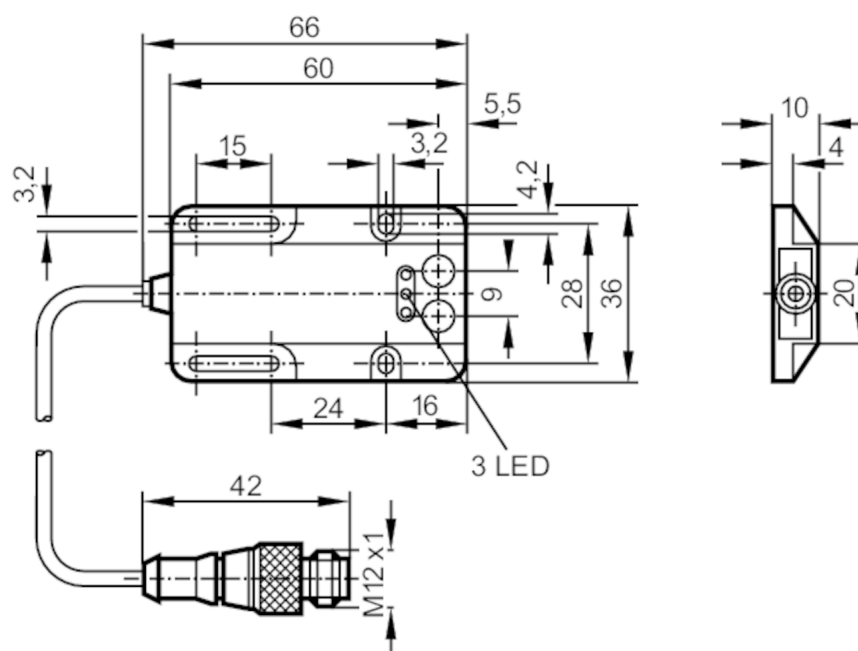
## Retro-reflective sensor

OWP-FPKG/0,1M/US

Article no longer available - archive entry

Alternative articles: OJ5063

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



transmitter in lower lens

## Product characteristics

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

## Application

|                    |                         |
|--------------------|-------------------------|
| System             | polarization filter     |
| Function principle | Retro-reflective sensor |

## Electrical data

|                             |      |              |
|-----------------------------|------|--------------|
| Operating voltage           | [V]  | 10...36 DC   |
| Current consumption         | [mA] | 35; ((36 V)) |
| Reverse polarity protection |      | yes          |
| Type of light               |      | red light    |
| Wave length                 | [nm] | 660          |

## Outputs

|                                                 |      |                                       |
|-------------------------------------------------|------|---------------------------------------|
| Electrical design                               |      | PNP                                   |
| Output function                                 |      | light-on/dark-on mode; (configurable) |
| Max. voltage drop switching output DC           | [V]  | 2.5                                   |
| Permanent current rating of switching output DC | [mA] | 200                                   |
| Switching frequency DC                          | [Hz] | 250                                   |
| Short-circuit protection                        |      | yes                                   |
| Type of short-circuit protection                |      | yes (non-latching)                    |



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|                     |     |
|---------------------|-----|
| Overload protection | yes |
|---------------------|-----|

## Monitoring range

|                                |                                              |
|--------------------------------|----------------------------------------------|
| Range [m]                      | 0.1...1.5; (Prismatic reflector Ø 80 E20005) |
| Max. light spot diameter [mm]  | 120                                          |
| Light spot dimensions refer to | at maximum range                             |
| Polarization filter available  | yes                                          |

## Operating conditions

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

## Tests / approvals

|     |              |         |
|-----|--------------|---------|
| EMC | EN 60947-5-2 |         |
|     | EN 55011     | class B |

## Mechanical data

|                 |                            |
|-----------------|----------------------------|
| Housing         | rectangular                |
| Dimensions [mm] | 36 x 60 x 10               |
| Material        | ABS reinforced glass-fiber |
| Lens material   | PMMA                       |

## Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | Switching status | 1 x LED, yellow |
|         | Power            | 1 x LED, green  |
|         | Function         | 1 x LED, red    |

## Remarks

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

## Electrical connection

Cable: 0.1 m, PVC

Connector: 1 x M12; coding: A



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### Connection



### Diagrams and graphs

excess gain graph

