



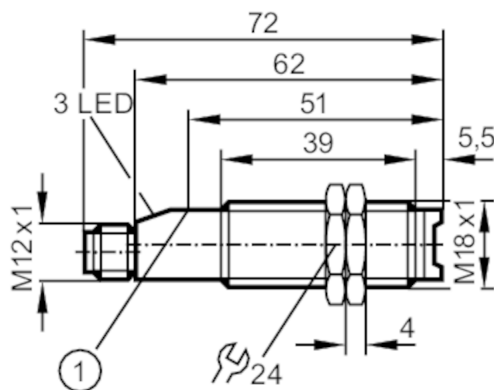
## Retro-reflective sensor

OGP-FPKG/B1/V4A/US-100

phase-out article

Alternative articles: OGP200 or OGP201 or OGP500

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



1 pushbutton

## Product characteristics

|               |               |
|---------------|---------------|
| Type of light | red light     |
| Housing       | threaded type |

## Application

|                    |                                                                  |
|--------------------|------------------------------------------------------------------|
| Special feature    | Gold-plated contacts; polarisation filter; Function check output |
| Function principle | Retro-reflective sensor                                          |

## Electrical data

|                             |      |            |
|-----------------------------|------|------------|
| Operating voltage           | [V]  | 10...36 DC |
| Current consumption         | [mA] | < 32       |
| 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; (parameterisable) |
| Max. voltage drop switching output DC           | [V]  | 2.5                                      |
| Function check output                           |      | yes                                      |
| Max. voltage drop of function check output      | [V]  | 3.5                                      |
| Max. current load for function check output     | [mA] | 10                                       |
| Permanent current rating of switching output DC | [mA] | 200                                      |
| Switching frequency DC                          | [Hz] | 500                                      |
| Short-circuit protection                        |      | yes                                      |
| Type of short-circuit protection                |      | pulsed                                   |

**Retro-reflective sensor**

OGP-FPKG/B1/V4A/US-100

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

**Detection zone**

|                                |                                        |
|--------------------------------|----------------------------------------|
| Range [m]                      | < 3; (Prismatic reflector Ø 80 E20005) |
| Range adjustable               | yes                                    |
| Max. light spot diameter [mm]  | 262                                    |
| Light spot dimensions refer to | at maximum range                       |
| Polarisation filter available  | yes                                    |

**Operating conditions**

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...80 |
| Protection               | IP 67    |

**Tests / approvals**

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

**Mechanical data**

|                    |                                    |
|--------------------|------------------------------------|
| Housing            | threaded type                      |
| Dimensions [mm]    | M18 x 1 / L = 72                   |
| Thread designation | M18 x 1                            |
| Materials          | stainless steel (316L/1.4404); PBT |
| Lens material      | PMMA                               |

**Displays / operating elements**

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|         | operation        | 1 x LED, green  |
|         | function         | 1 x LED, red    |

**Accessories**

|                |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |
|----------------|--------------|

**Remarks**

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

**Electrical connection**

Connector: 1 x M12; coding: A; Contacts: gold-plated

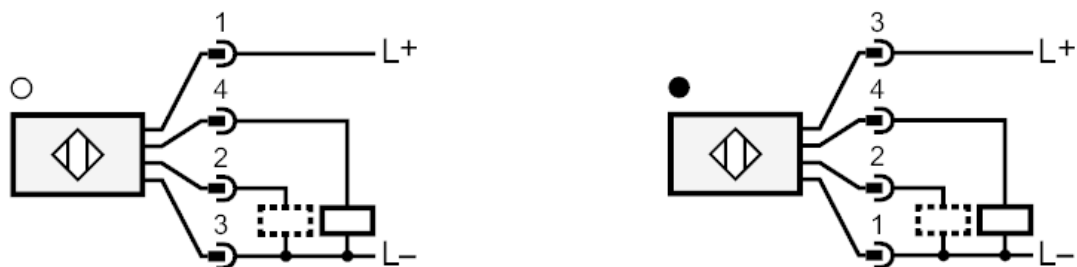




## Retro-reflective sensor

OGP-FPKG/B1/V4A/US-100

### Connection



2

Function check output