



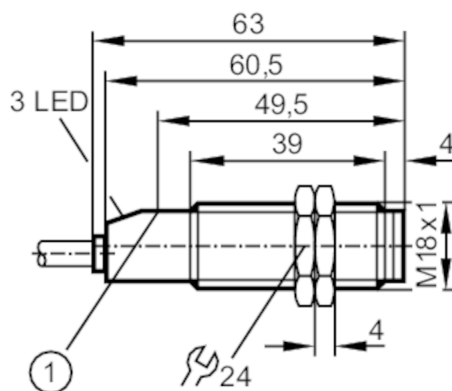
## Retro-reflective sensor

OGP-FPKG/B1/V4A/6M

Article no longer available - archive entry

Alternative articles: OGP302 or OGP303

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

## Electrical data

|                             |      |            |
|-----------------------------|------|------------|
| Operating voltage           | [V]  | 10...36 DC |
| Current consumption         | [mA] | < 30       |
| 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                                      |
| Permanent current rating of switching output DC | [mA] | 200                                      |
| Switching frequency DC                          | [Hz] | 500                                      |
| Short-circuit protection                        |      | yes                                      |
| Type of short-circuit protection                |      | pulsed                                   |
| Overload protection                             |      | yes                                      |

## Detection zone

|                  |     |                                        |
|------------------|-----|----------------------------------------|
| Range            | [m] | < 3; (Prismatic reflector Ø 80 E20005) |
| Range adjustable |     | yes                                    |



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|                                |      |                  |
|--------------------------------|------|------------------|
| 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 68; IP 69K |

Tests / approvals

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

Mechanical data

|                    |      |                                      |
|--------------------|------|--------------------------------------|
| Housing            |      | threaded type                        |
| Dimensions         | [mm] | M18 x 1 / L = 63                     |
| Thread designation |      | M18 x 1                              |
| Materials          |      | stainless steel (1.4404 / 316L); PBT |
| Lens material      |      | PMMA                                 |

Displays / operating elements

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

Аксессуары

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

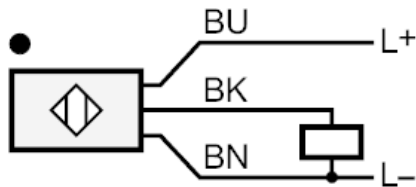
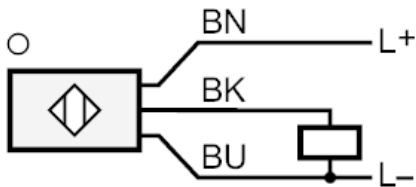
Remarks

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

Electrical connection

Cable: 6 m, PVC; 3 x 0.34 mm²

Connection



Core colours :  
BN = brown  
BU = blue  
BK = black



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### Diagrams and graphs

excess gain graph

