



## Diffuse reflection sensor

OGT-FPKG/6M



- 1 programming buttons  
2 LED 4 x 90°



### Product characteristics

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

### Application

|                    |                           |
|--------------------|---------------------------|
| Function principle | Diffuse reflection sensor |
|--------------------|---------------------------|

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 25         |
| Protection class            | II         |
| Reverse polarity protection | yes        |
| Type of light               | red light  |

### Outputs

|                                                      |                                       |
|------------------------------------------------------|---------------------------------------|
| Electrical design                                    | PNP                                   |
| Output function                                      | light-on/dark-on mode; (programmable) |
| Max. voltage drop switching output DC [V]            | 2.5                                   |
| Permanent current rating of switching output DC [mA] | 150; (200 (...60 °C))                 |
| Switching frequency DC [Hz]                          | 2000                                  |
| Short-circuit protection                             | yes                                   |
| Type of short-circuit protection                     | pulsed                                |
| Overload protection                                  | yes                                   |

### Detection zone

|                               |                                                   |
|-------------------------------|---------------------------------------------------|
| Range [mm]                    | 2...800; (white paper 200 x 200 mm 90% remission) |
| Factory setting               | light-on mode                                     |
| Setting range [mm]            | 150...800                                         |
| Range adjustable              | yes                                               |
| Max. light spot diameter [mm] | 66                                                |



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Light spot dimensions refer to \_\_\_\_\_ at maximum range

## Operating conditions

|                     |      |                             |
|---------------------|------|-----------------------------|
| Ambient temperature | [°C] | -25...80                    |
| Protection          |      | IP 65; IP 67; IP 68; IP 69K |

## Tests / approvals

|      |         |              |
|------|---------|--------------|
| EMC  |         | EN 60947-5-2 |
| MTTF | [years] | 473          |

## Mechanical data

|                    |      |                                                   |
|--------------------|------|---------------------------------------------------|
| Weight             | [g]  | 255                                               |
| Housing            |      | threaded type                                     |
| Dimensions         | [mm] | M18 x 1 / L = 80.4                                |
| Thread designation |      | M18 x 1                                           |
| Materials          |      | stainless steel (316L/1.4404); PA; LCP; EPDM; TPU |
| Lens material      |      | PMMA                                              |

## Displays / operating elements

|                 |                  |                 |
|-----------------|------------------|-----------------|
| Display         | switching status | 1 x LED, yellow |
| Teach function  |                  | yes             |
| Electronic lock |                  | yes             |

## Accessories

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

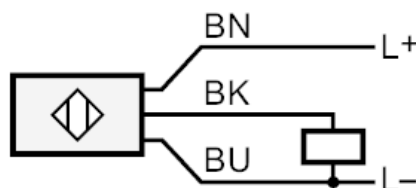
## Remarks

|               |                                                       |
|---------------|-------------------------------------------------------|
| Remarks       | operating voltage "supply class 2" according to cULus |
| Pack quantity | 1 pcs.                                                |

## Electrical connection

Cable: 6 m, PVC; 3 x 0.34 mm<sup>2</sup>

## Connection



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



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### Diagrams and graphs

excess gain graph

