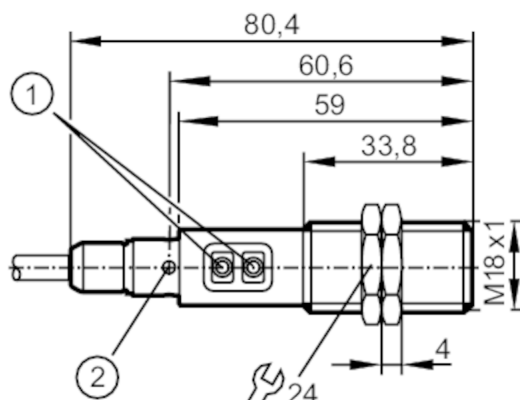


## Diffuse reflection sensor

OGT-FPKG/6M



- 1 programming buttons  
2 LED 4 x 90°



### Product characteristics

|                 |                    |
|-----------------|--------------------|
| Type of light   | red light          |
| Housing         | threaded type      |
| Dimensions [mm] | M18 x 1 / L = 80.4 |

### 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                                   |



## Diffuse reflection sensor

OGT-FPKG/6M

| Detection zone                 |                  |                                                       |
|--------------------------------|------------------|-------------------------------------------------------|
| Range                          | [mm]             | 2...800; (white paper 200 x 200 mm 90% remission)     |
| Factory setting                |                  | light-on mode                                         |
| Range adjustable               |                  | yes                                                   |
| Max. light spot diameter       | [mm]             | 66                                                    |
| Light spot dimensions refer to |                  | at maximum range                                      |
| Monitoring range final value   | [mm]             | 150...800                                             |
| 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 (1.4404 / 316L); PA; LCP; EPDM; TPU   |
| Lens material                  |                  | PMMA                                                  |
| Displays / operating elements  |                  |                                                       |
| Display                        | switching status | 1 x LED, yellow                                       |
| Teach function                 |                  | yes                                                   |
| Electronic lock                |                  | yes                                                   |
| Accessories                    |                  |                                                       |
| Accessories (supplied)         |                  | lock nuts: 2 x                                        |
| Remarks                        |                  |                                                       |
| Remarks                        |                  | operating voltage "supply class 2" according to cULus |
| Pack quantity                  |                  | 1 pcs.                                                |

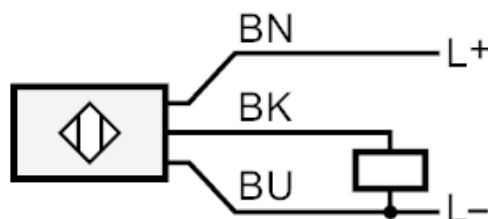
## Diffuse reflection sensor

OGT-FPKG/6M

### Electrical connection

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

### Connection



Core colours :

BK = black  
BN = brown  
BU = blue

### Diagrams and graphs

excess gain graph

