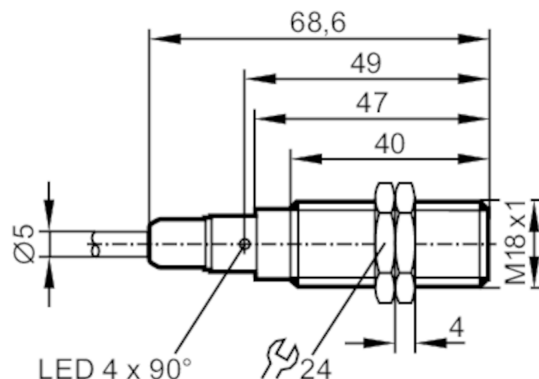




## Retro-reflective sensor

OGP-DPKG/6M



### 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] | 15         |
| Protection class            |      | II         |
| Reverse polarity protection |      | yes        |
| Type of light               |      | red light  |

### Outputs

|                                                 |      |                       |
|-------------------------------------------------|------|-----------------------|
| Electrical design                               |      | PNP                   |
| Output function                                 |      | dark-on mode          |
| 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] | 1000                  |
| Short-circuit protection                        |      | yes                   |
| Type of short-circuit protection                |      | pulsed                |
| Overload protection                             |      | yes                   |

### Detection zone

|                                       |      |                                             |
|---------------------------------------|------|---------------------------------------------|
| Range referred to prismatic reflector | [m]  | 0.03...4; (Prismatic reflector Ø 80 E20005) |
| Range adjustable                      |      | no                                          |
| Max. light spot diameter              | [mm] | 160                                         |
| Light spot dimensions refer to        |      | at maximum range                            |
| Polarisation filter available         |      | yes                                         |

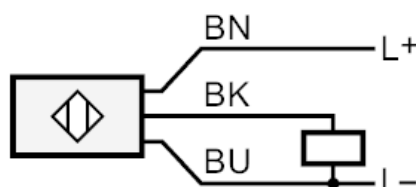
# OGP302



## Retro-reflective sensor

OGP-DPKG/6M

| 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]          | 509                                                   |
| Mechanical data                           |                  |                                                       |
| Weight                                    | [g]              | 258.3                                                 |
| Housing                                   |                  | threaded type                                         |
| Dimensions                                | [mm]             | M18 x 1 / L = 68.6                                    |
| Thread designation                        |                  | M18 x 1                                               |
| Materials                                 |                  | housing: stainless steel (316L/1.4404); Sealing: EPDM |
| Lens material                             |                  | PMMA                                                  |
| Displays / operating elements             |                  |                                                       |
| Display                                   | switching status | 1 x LED, yellow                                       |
| 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



## Retro-reflective sensor

OGP-DPKG/6M

### Diagrams and graphs

excess gain graph

