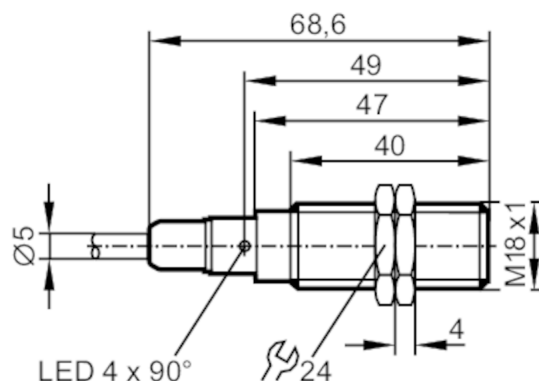




## Retro-reflective sensor

OGP-HPKG/6M



### Product characteristics

|                 |                    |
|-----------------|--------------------|
| Type of light   | red light          |
| Housing         | threaded type      |
| Dimensions [mm] | M18 x 1 / L = 68.6 |

### 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                                      | light-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                   |



## Retro-reflective sensor

OGP-HPKG/6M

| 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                                                     |
| 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]          | 500                                                     |
| Mechanical data                       |                  |                                                         |
| Weight                                | [g]              | 257.5                                                   |
| Housing                               |                  | threaded type                                           |
| Dimensions                            | [mm]             | M18 x 1 / L = 68.6                                      |
| Thread designation                    |                  | M18 x 1                                                 |
| Materials                             |                  | housing: stainless steel (1.4404 / 316L); Sealing: EPDM |
| Lens material                         |                  | PMMA                                                    |
| Displays / operating elements         |                  |                                                         |
| Display                               | switching status | 1 x LED, yellow                                         |
| Accessories                           |                  |                                                         |
| Accessories (supplied)                |                  | lock nuts: 2 x                                          |
| Remarks                               |                  |                                                         |
| Remarks                               |                  | operating voltage "supply class 2" according to cULus   |
| Pack quantity                         |                  | 1 pcs.                                                  |

# OGP303



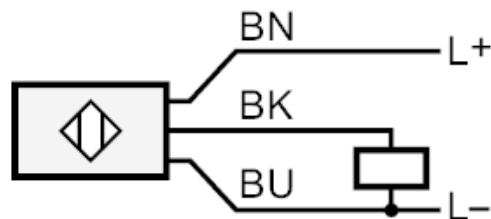
## Retro-reflective sensor

OGP-HPKG/6M

### 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-HPKG/6M

### Diagrams and graphs

excess gain graph

