



## Retro-reflective sensor

OGR-HPKG

Article no longer available - archive entry

Alternative articles: OG5045

When selecting an alternative article and accessories please note that technical data may differ!

# No scale drawing available

## Product characteristics

|               |                |
|---------------|----------------|
| Type of light | Infrared light |
| Housing       | Threaded type  |

## Application

|                    |                         |
|--------------------|-------------------------|
| Function principle | Retro-reflective sensor |
|--------------------|-------------------------|

## Electrical data

|                             |      |                |
|-----------------------------|------|----------------|
| Operating voltage           | [V]  | 10...55 DC     |
| Current consumption         | [mA] | 10; ((24 V))   |
| Protection class            |      | II             |
| Reverse polarity protection |      | yes            |
| Type of light               |      | Infrared light |
| Wave length                 | [nm] | 880            |

## Outputs

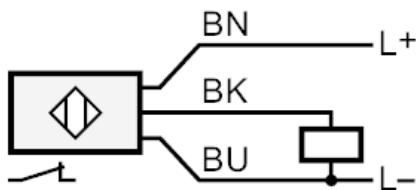
|                                                 |      |                    |
|-------------------------------------------------|------|--------------------|
| Electrical design                               |      | PNP                |
| Output function                                 |      | light-on mode      |
| Max. voltage drop switching output DC           | [V]  | 2.5                |
| Permanent current rating of switching output DC | [mA] | 250                |
| Switching frequency DC                          | [Hz] | 160                |
| Short-circuit protection                        |      | yes                |
| Type of short-circuit protection                |      | yes (non-latching) |
| Overload protection                             |      | yes                |



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| Monitoring range              |                  |                                        |
|-------------------------------|------------------|----------------------------------------|
| Range                         | [m]              | < 3; (Prismatic reflector Ø 80 E20005) |
| Operating conditions          |                  |                                        |
| Ambient temperature           | [°C]             | -25...80                               |
| Protection                    |                  | IP 67                                  |
| Tests / approvals             |                  |                                        |
| EMC                           | EN 60947-5-2     |                                        |
|                               | EN 55011         | class B                                |
| Mechanical data               |                  |                                        |
| Housing                       |                  | Threaded type                          |
| Dimensions                    | [mm]             | M18 x 1                                |
| Thread designation            |                  | M18 x 1                                |
| Material                      |                  | brass nickel-plated                    |
| Lens material                 |                  | glass                                  |
| Displays / operating elements |                  |                                        |
| Display                       | Switching status | 1 x LED, yellow                        |
| Accessories                   |                  |                                        |
| Items supplied                |                  | lock nuts: 2                           |
| Remarks                       |                  |                                        |
| Pack quantity                 |                  | 1 pcs.                                 |
| Electrical connection         |                  |                                        |
| Cable: 2 m, PVC; 3 x 0.5 mm²  |                  |                                        |
| Connection                    |                  |                                        |



|      |               |
|------|---------------|
|      | Core colors : |
| BN = | brown         |
| BU = | blue          |
| BK = | black         |