



## Diffuse reflection sensor

OGT-HPKG/6M

Article no longer available - archive entry

# No scale drawing available



## Product characteristics

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

## Application

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

## Electrical data

|                             |      |                |
|-----------------------------|------|----------------|
| Operating voltage           | [V]  | 10...55 DC     |
| Current consumption         | [mA] | 30; ((24 V))   |
| Protection class            |      | II             |
| Reverse polarity protection |      | yes            |
| Type of light               |      | infrared light |
| Wave length                 | [nm] | 880            |

## Outputs

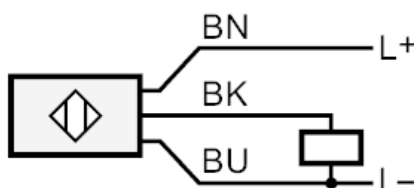
|                                                 |      |               |
|-------------------------------------------------|------|---------------|
| Electrical design                               |      | PNP           |
| Output function                                 |      | light-on mode |
| 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                |      | pulsed        |
| Overload protection                             |      | yes           |



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| Detection zone                |                  |                                                   |
|-------------------------------|------------------|---------------------------------------------------|
| Range                         | [mm]             | 2...100; (white paper 200 x 200 mm 90% remission) |
| 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                                           |
| Materials                     |                  | 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: 6 m, PVC; 3 x 0.5 mm²  |                  |                                                   |
| Connection                    |                  |                                                   |



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