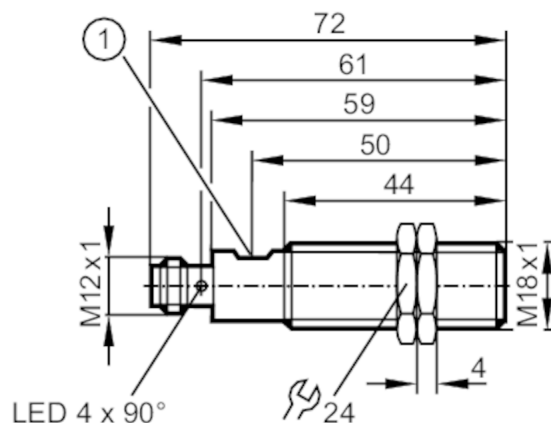


## Diffuse reflection sensor

OGT-HPKG/US100



1 potentiometer



### Product characteristics

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

### Application

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

### Electrical data

|                             |      |                                         |
|-----------------------------|------|-----------------------------------------|
| Operating voltage           | [V]  | 10...36 DC; ("supply class 2" to cULus) |
| Current consumption         | [mA] | 20                                      |
| Protection class            |      | II                                      |
| Reverse polarity protection |      | yes                                     |
| Type of light               |      | red light                               |
| Wave length                 | [nm] | 624                                     |

### 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] | 200           |
| Switching frequency DC                          | [Hz] | 800           |
| Short-circuit protection                        |      | yes           |
| Type of short-circuit protection                |      | pulsed        |
| Overload protection                             |      | yes           |

### Detection zone

|                                |      |                                                   |
|--------------------------------|------|---------------------------------------------------|
| Range                          | [mm] | 2...600; (white paper 200 x 200 mm 90% remission) |
| Setting range                  | [mm] | 150...600                                         |
| Range adjustable               |      | yes                                               |
| Max. light spot diameter       | [mm] | 50                                                |
| Light spot dimensions refer to |      | at maximum range                                  |

# OGT200



## Diffuse reflection sensor

OGT-HPKG/US100

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...60 |
| Protection          |      | IP 65    |

### Tests / approvals

|      |       |              |
|------|-------|--------------|
| EMC  |       | EN 60947-5-2 |
| MTTF | [ANN] | 428          |

### Mechanical data

|                    |      |                                                                   |
|--------------------|------|-------------------------------------------------------------------|
| Weight             | [g]  | 53.6                                                              |
| Housing            |      | threaded type                                                     |
| Dimensions         | [mm] | M18 x 1 / L = 72                                                  |
| Thread designation |      | M18 x 1                                                           |
| Materials          |      | housing: stainless steel (1.4404 / 316L); operator interface: TPE |
| Lens material      |      | PMMA                                                              |

### Displays / operating elements

|                    |                  |                 |
|--------------------|------------------|-----------------|
| Display            | switching status | 1 x LED, yellow |
| Operating elements |                  | potentiometer   |

### Аксессуары

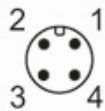
|                |  |              |
|----------------|--|--------------|
| Items supplied |  | lock nuts: 2 |
|----------------|--|--------------|

### Remarks

|               |  |        |
|---------------|--|--------|
| Pack quantity |  | 1 pcs. |
|---------------|--|--------|

### Electrical connection

Connector: 1 x M12; coding: A



### Connection

