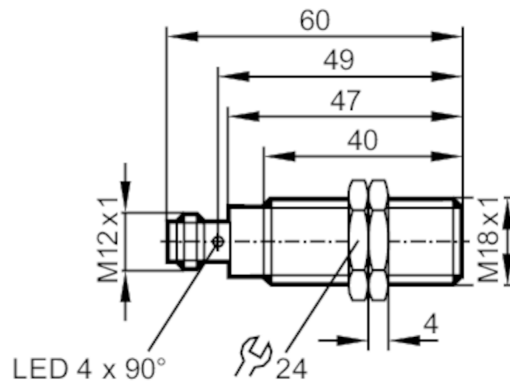




## Through-beam sensor receiver

OGE-DPKG/US100



## Product characteristics

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

## Application

|                    |                     |
|--------------------|---------------------|
| Function principle | Through-beam sensor |
|--------------------|---------------------|

## Electrical data

|                             |      |            |
|-----------------------------|------|------------|
| Operating voltage           | [V]  | 10...36 DC |
| Current consumption         | [mA] | 10         |
| Protection class            |      | II         |
| Reverse polarity protection |      | yes        |
| Type of light               |      | red light  |
| Wave length                 | [nm] | 624        |

## 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] | 200          |
| Switching frequency DC [Hz]                          | 1000         |
| Short-circuit protection                             | yes          |
| Type of short-circuit protection                     | pulsed       |
| Overload protection                                  | yes          |

## Detection zone

|                        |          |
|------------------------|----------|
| Transmitter / receiver | receiver |
| Range [m]              | < 20     |
| Range adjustable       | no       |

## Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...60 |
|---------------------|------|----------|



Through-beam sensor receiver

OGE-DPKG/US100

|            |       |
|------------|-------|
| Protection | IP 67 |
|------------|-------|

Tests / approvals

|              |              |
|--------------|--------------|
| EMC          | EN 60947-5-2 |
| MTTF [years] | 1112         |

Mechanical data

|                    |                                        |
|--------------------|----------------------------------------|
| Weight [g]         | 50.1                                   |
| Housing            | threaded type                          |
| Dimensions [mm]    | M18 x 1 / L = 60                       |
| Thread designation | M18 x 1                                |
| Materials          | housing: stainless steel (316L/1.4404) |
| Lens material      | PMMA                                   |

Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

Accessories

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

Remarks

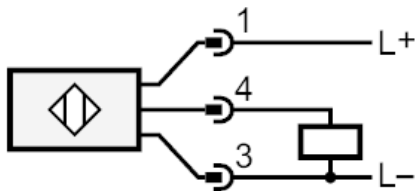
|               |                                                       |
|---------------|-------------------------------------------------------|
| Remarks       | operating voltage "supply class 2" according to cULus |
| Pack quantity | 1 pcs.                                                |

Electrical connection

Connector: 1 x M12; coding: A



Connection





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### Diagrams and graphs

excess gain graph

