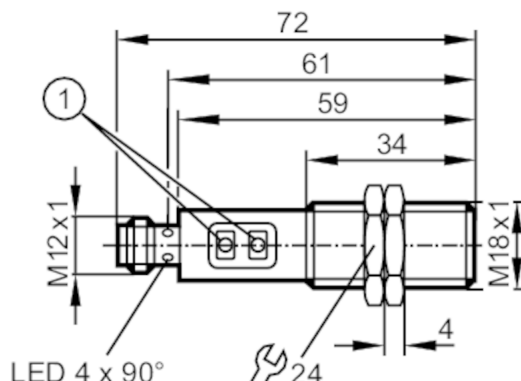


## Through-beam sensor receiver

OGE-FPKG/US100



1 programming buttons



### 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] | 11         |
| Protection class            |      | II         |
| Reverse polarity protection |      | yes        |
| Type of light               |      | red light  |

### Outputs

|                                                 |      |                                       |
|-------------------------------------------------|------|---------------------------------------|
| Electrical design                               |      | PNP                                   |
| Output function                                 |      | light-on/dark-on mode; (programmable) |
| 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                                   |

### Detection zone

|                        |     |               |
|------------------------|-----|---------------|
| Transmitter / receiver |     | receiver      |
| Range                  | [m] | < 25          |
| Factory setting        |     | light-on mode |
| Range adjustable       |     | yes           |

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
|---------------------|------|----------|

# OGE304



## Through-beam sensor receiver

OGE-FPKG/US100

|            |                             |
|------------|-----------------------------|
| Protection | IP 65; IP 67; IP 68; IP 69K |
|------------|-----------------------------|

### Tests / approvals

|      |              |     |
|------|--------------|-----|
| EMC  | EN 60947-5-2 |     |
| MTTF | [ANN]        | 891 |

### Mechanical data

|                    |      |                                                     |
|--------------------|------|-----------------------------------------------------|
| Weight             | [g]  | 63                                                  |
| Housing            |      | threaded type                                       |
| Dimensions         | [mm] | M18 x 1 / L = 72                                    |
| Thread designation |      | M18 x 1                                             |
| Materials          |      | stainless steel (1.4404 / 316L); PA; LCP; EPDM; TPU |
| Lens material      |      | PMMA                                                |

### Displays / operating elements

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

### Аксессуары

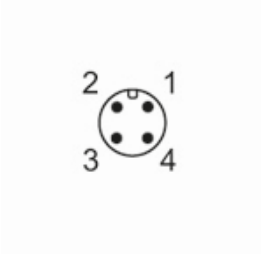
|                |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |
|----------------|--------------|

### Remarks

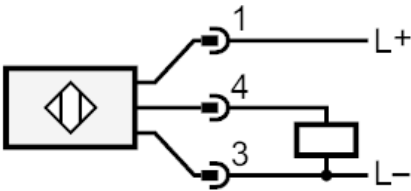
|               |                                                       |
|---------------|-------------------------------------------------------|
| Remarks       | operating voltage "supply class 2" according to cULus |
| Pack quantity | 1 pcs.                                                |

### Electrical connection

Connector: 1 x M12; coding: A



### Connection





## Through-beam sensor receiver

OGE-FPKG/US100

### Diagrams and graphs

excess gain graph

