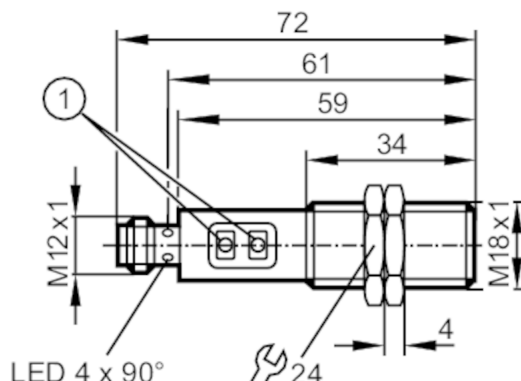




## Through-beam sensor receiver

OGE-FPKG/US100



1 programming buttons



### 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  |
| Wave length                 | [nm] | 624        |

### 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        |     | \$Hellschaltung |
| Range adjustable       |     | yes             |

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 67    |



## Through-beam sensor receiver

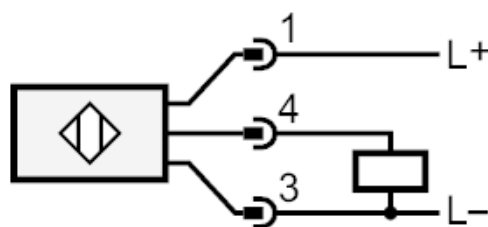
OGE-FPKG/US100

| Tests / approvals             |                                                       |                  |
|-------------------------------|-------------------------------------------------------|------------------|
| EMC                           | EN 60947-5-2                                          |                  |
| MTTF                          | [years]                                               | 786              |
| Mechanical data               |                                                       |                  |
| Weight                        | [g]                                                   | 64.2             |
| 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  |
| Accessories                   |                                                       |                  |
| Accessories (supplied)        | lock nuts: 2 x                                        |                  |
| Remarks                       |                                                       |                  |
| Remarks                       | operating voltage "supply class 2" according to cULus |                  |
| Pack quantity                 | 1 pcs.                                                |                  |
| Electrical connection         |                                                       |                  |

Connector: 1 x M12



### Connection





## Through-beam sensor receiver

OGE-FPKG/US100

### Diagrams and graphs

excess gain graph

