



## Through-beam sensor receiver

OGE-FNKG/US-100 MIT 90GRAD WKL

Article no longer available - archive entry

# No scale drawing available

## Product characteristics

|         |               |
|---------|---------------|
| Housing | Threaded type |
|---------|---------------|

## Application

|                    |                       |
|--------------------|-----------------------|
| System             | Function check output |
| Function principle | Through-beam sensor   |

## Electrical data

|                             |      |              |
|-----------------------------|------|--------------|
| Operating voltage           | [V]  | 10...36 DC   |
| Current consumption         | [mA] | 26; ((36 V)) |
| Protection class            |      | II           |
| Reverse polarity protection |      | yes          |

## Outputs

|                                                 |      |                                       |
|-------------------------------------------------|------|---------------------------------------|
| Electrical design                               |      | NPN                                   |
| Output function                                 |      | light-on/dark-on mode; (configurable) |
| Max. voltage drop switching output DC           | [V]  | 2.5                                   |
| Function check output                           |      | yes                                   |
| Max. voltage drop of function check output      | [V]  | 3.5                                   |
| Max. current load for function check output     | [mA] | 10                                    |
| Permanent current rating of switching output DC | [mA] | 200                                   |
| Switching frequency DC                          | [Hz] | 500                                   |
| Short-circuit protection                        |      | yes                                   |
| Type of short-circuit protection                |      | yes (non-latching)                    |
| Overload protection                             |      | yes                                   |



## Through-beam sensor receiver

OGE-FNKG/US-100 MIT 90GRAD WKL

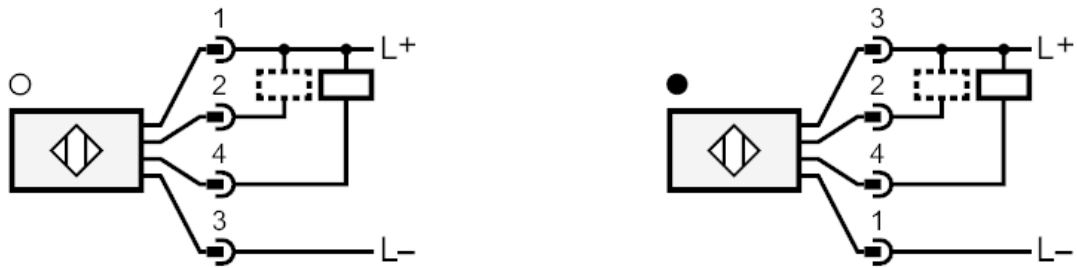
| Monitoring range                                                                    |                  |                 |
|-------------------------------------------------------------------------------------|------------------|-----------------|
| Transmitter / receiver                                                              |                  | receiver        |
| Range [m]                                                                           |                  | < 12            |
| Range adjustable                                                                    |                  | yes             |
| 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         |
| Material                                                                            |                  | PC              |
| Lens material                                                                       |                  | PMMA            |
| Displays / operating elements                                                       |                  |                 |
| Display                                                                             | Switching status | 1 x LED, yellow |
|                                                                                     | Power            | 1 x LED, green  |
|                                                                                     | Function         | 1 x LED, red    |
| Accessories                                                                         |                  |                 |
| Items supplied                                                                      |                  | lock nuts: 2    |
| Remarks                                                                             |                  |                 |
| Pack quantity                                                                       |                  | 1 pcs.          |
| Electrical connection                                                               |                  |                 |
| Connector: 1 x M12; coding: A                                                       |                  |                 |
|  |                  |                 |



## Through-beam sensor receiver

OGE-FNKG/US-100 MIT 90GRAD WKL

### Connection



2

Function check output