

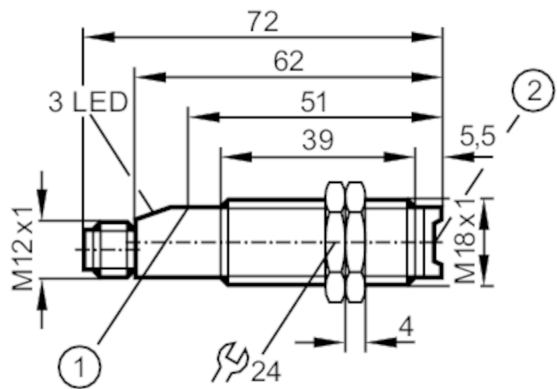


Through-beam sensor receiver

OGELFPKG/B3/V4A/US-100

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- 1 pushbutton
- 2 LED

Product characteristics

|                 |                  |
|-----------------|------------------|
| Type of light   | red light        |
| Housing         | threaded type    |
| Dimensions [mm] | M18 x 1 / L = 72 |

Application

|                    |                                             |
|--------------------|---------------------------------------------|
| Special feature    | Gold-plated contacts; Function check output |
| Function principle | Through-beam sensor                         |

Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...30 DC |
| Current consumption [mA]    | < 30       |
| Protection class            | II         |
| Reverse polarity protection | yes        |
| Type of light               | red light  |
| Wave length [nm]            | 675        |



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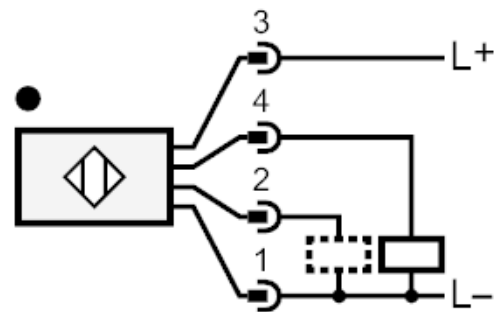
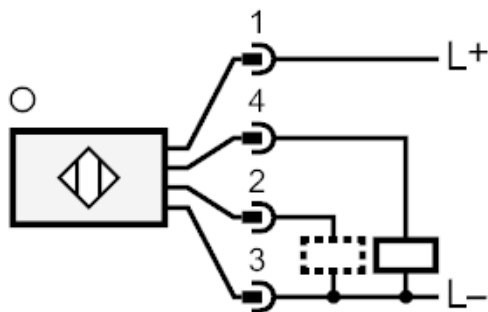
| Outputs                                              |                                          |                 |
|------------------------------------------------------|------------------------------------------|-----------------|
| Electrical design                                    | PNP                                      |                 |
| Output function                                      | light-on/dark-on mode; (parameterisable) |                 |
| 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                     | pulsed                                   |                 |
| Overload protection                                  | yes                                      |                 |
| Detection zone                                       |                                          |                 |
| Transmitter / receiver                               | receiver                                 |                 |
| Range [m]                                            | < 2                                      |                 |
| Range adjustable                                     | yes                                      |                 |
| Diameter of the smallest detectable object [mm]      | 0.5                                      |                 |
| Operating conditions                                 |                                          |                 |
| Ambient temperature [°C]                             | -10...50                                 |                 |
| Protection                                           | IP 67                                    |                 |
| Tests / approvals                                    |                                          |                 |
| EMC                                                  | EN 60947-5-2                             |                 |
|                                                      | EN 55011                                 | class B         |
| Mechanical data                                      |                                          |                 |
| Housing                                              | threaded type                            |                 |
| Dimensions [mm]                                      | M18 x 1 / L = 72                         |                 |
| Thread designation                                   | M18 x 1                                  |                 |
| Materials                                            | stainless steel (1.4404 / 316L); PBT     |                 |
| Lens material                                        | PMMA                                     |                 |
| Displays / operating elements                        |                                          |                 |
| Display                                              | switching status                         | 1 x LED, yellow |
|                                                      | operation                                | 1 x LED, green  |
|                                                      | function                                 | 1 x LED, red    |
| Accessories                                          |                                          |                 |
| Accessories (supplied)                               | lock nuts: 2 x                           |                 |
| Remarks                                              |                                          |                 |
| Pack quantity                                        | 1 pcs.                                   |                 |
| Electrical connection                                |                                          |                 |
| Connector: 1 x M12; Contacts: gold-plated            |                                          |                 |

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### Connection



2 Function check output

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