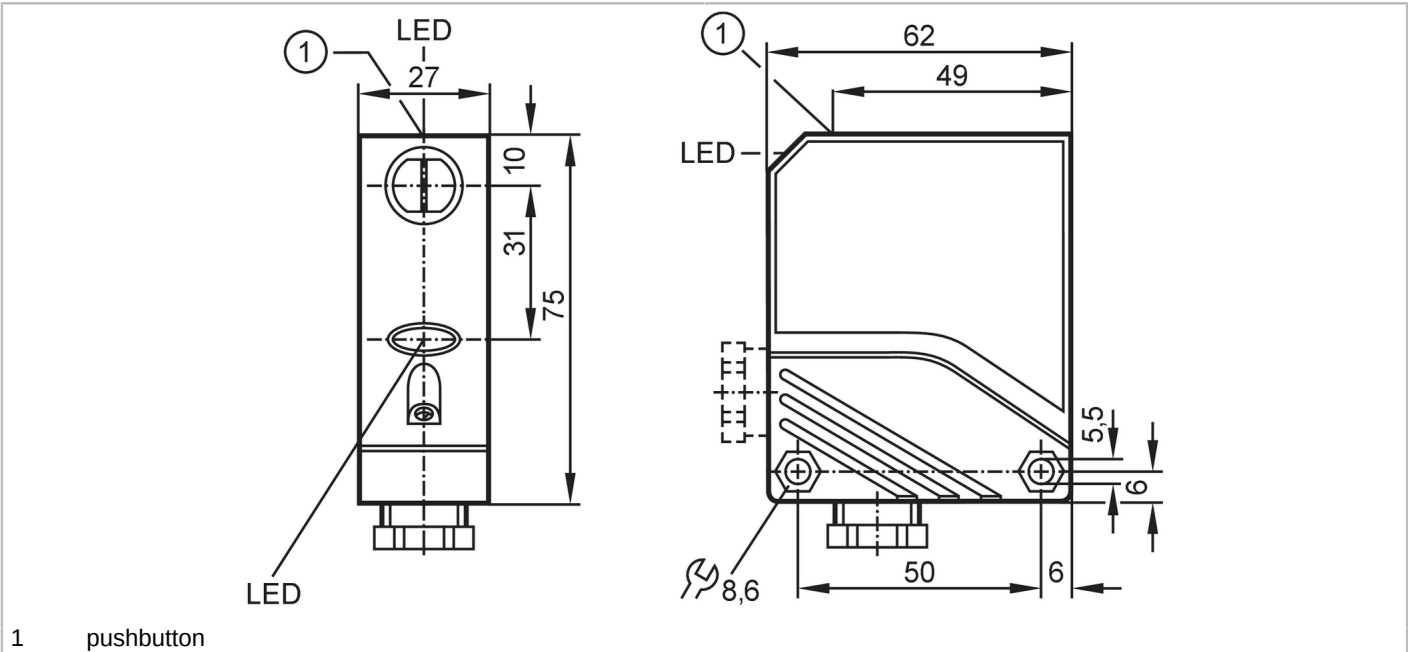




Through-beam sensor receiver

OLE-FKOA



| Product characteristics     |      |                                                 |
|-----------------------------|------|-------------------------------------------------|
| Type of light               |      | Infrared light                                  |
| Housing                     |      | rectangular                                     |
| Application                 |      |                                                 |
| Function principle          |      | Through-beam sensor                             |
| Application                 |      | Industrial applications                         |
| Electrical data             |      |                                                 |
| Frequency AC                | [Hz] | 47...63                                         |
| Operating voltage           | [V]  | 20...250 AC/DC                                  |
| Max. power consumption      | [VA] | 4                                               |
| Protection class            |      | II                                              |
| Reverse polarity protection |      | no                                              |
| Type of light               |      | Infrared light                                  |
| Wave length                 | [nm] | 880                                             |
| Outputs                     |      |                                                 |
| Electrical design           |      | Relay                                           |
| Output function             |      | light-on/dark-on mode; (programmable)           |
| Contact rating              |      | 250 V AC / 3 A / 950 VA, 125 V DC / 5 A / 120 W |
| Switching frequency AC      | [Hz] | 10                                              |
| Switching frequency DC      | [Hz] | 10                                              |
| Short-circuit proof         |      | no                                              |
| Overload protection         |      | no                                              |
| Monitoring range            |      |                                                 |
| Transmitter / receiver      |      | receiver                                        |
| Range                       | [m]  | < 25                                            |



Through-beam sensor receiver

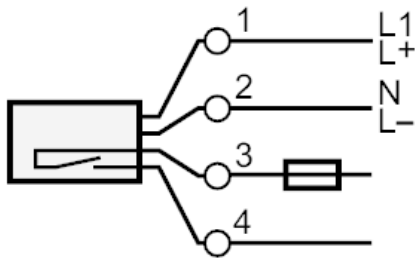
OLE-FKOA

| Operating conditions          |                  |                                                          |
|-------------------------------|------------------|----------------------------------------------------------|
| Ambient temperature           | [°C]             | -25...80                                                 |
| Protection                    |                  | IP 67                                                    |
| Tests / approvals             |                  |                                                          |
| EMC                           | EN 60947-5-2     |                                                          |
|                               | EN 55011         | class B                                                  |
| MTTF                          | [years]          | 233                                                      |
| Mechanical data               |                  |                                                          |
| Weight                        | [g]              | 166.5                                                    |
| Housing                       |                  | rectangular                                              |
| Dimensions                    | [mm]             | 75 x 27 x 62                                             |
| Material                      |                  | PA; PBT                                                  |
| Lens material                 |                  | front lens:PMMA                                          |
| Lens alignment                |                  | Side sensing                                             |
| Displays / operating elements |                  |                                                          |
| Display                       | Switching status | 1 x LED, yellow                                          |
|                               | Power            | 1 x LED, green                                           |
|                               | Function         | 1 x LED, red                                             |
| Electrical connection         |                  |                                                          |
| Required protection           |                  | miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting |
| Remarks                       |                  |                                                          |
| Pack quantity                 |                  | 1 pcs.                                                   |

Electrical connection

terminals: ...1.5 mm²; Cable sheath: Ø 4.5...10 mm; Cable gland: M16 X 1.5

Connection



**Through-beam sensor receiver**

OLE-FKOA

**Diagrams and graphs**

excess gain graph

