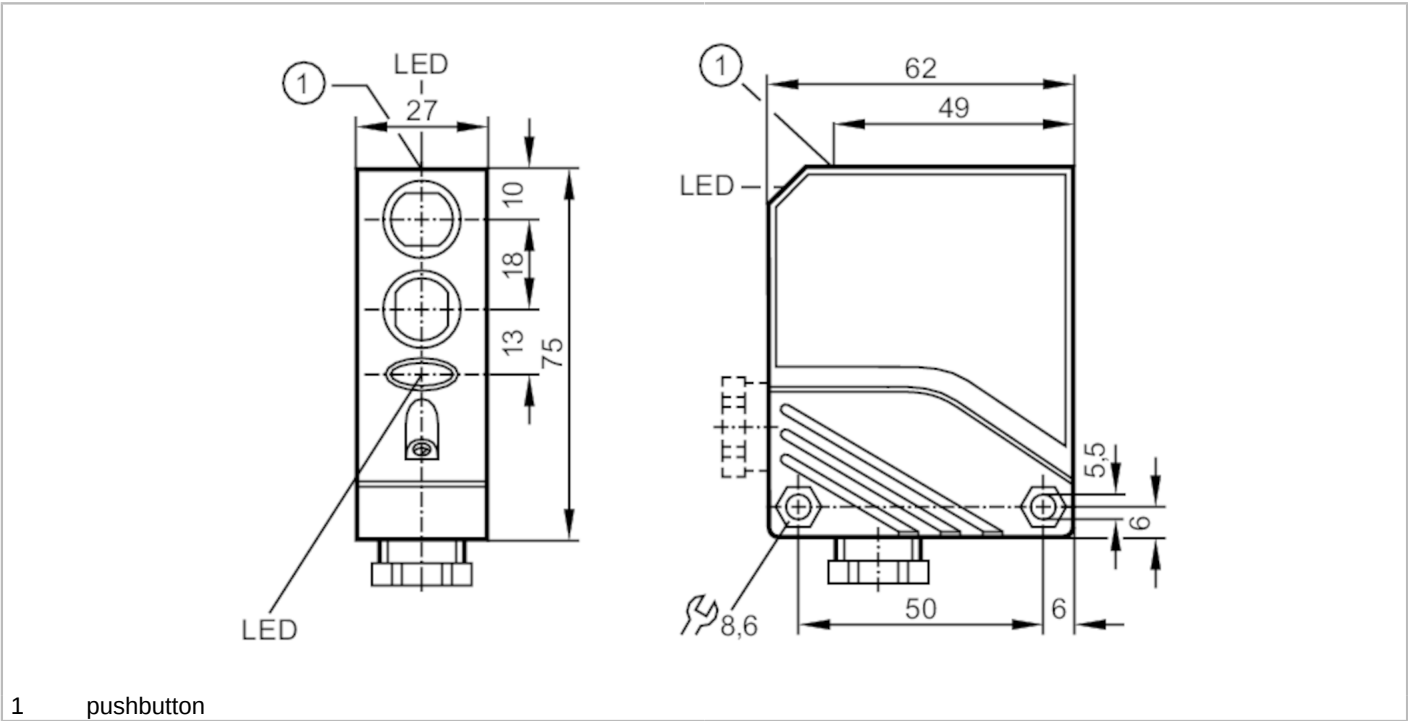




Retro-reflective sensor

OLP-FKOA



| Product characteristics     |      |                                                 |
|-----------------------------|------|-------------------------------------------------|
| Type of light               |      | red light                                       |
| Housing                     |      | rectangular                                     |
| Application                 |      |                                                 |
| Special feature             |      | polarisation filter                             |
| Function principle          |      | Retro-reflective sensor                         |
| 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               |      | red light                                       |
| Wave length                 | [nm] | 660                                             |
| Outputs                     |      |                                                 |
| Electrical design           |      | relay                                           |
| Output function             |      | light-on/dark-on mode; (programmable)           |
| Contact rating              |      | 250 V AC / 3 A / 960 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                                              |



## Retro-reflective sensor

OLP-FKOA

| Detection zone                        |                  |                                                                               |
|---------------------------------------|------------------|-------------------------------------------------------------------------------|
| Range referred to prismatic reflector | [m]              | 0.3...5; (Prismatic reflector Ø 80 E20005)                                    |
| Range adjustable                      |                  | yes                                                                           |
| Max. light spot diameter              | [mm]             | 250                                                                           |
| Light spot dimensions refer to        |                  | at maximum range                                                              |
| Polarisation filter available         |                  | yes                                                                           |
| Operating conditions                  |                  |                                                                               |
| Ambient temperature                   | [°C]             | -25...80                                                                      |
| Protection                            |                  | IP 67                                                                         |
| Tests / approvals                     |                  |                                                                               |
| EMC                                   | EN 60947-5-2     |                                                                               |
|                                       | EN 55011         | class B                                                                       |
| MTTF                                  | [years]          | 256                                                                           |
| Mechanical data                       |                  |                                                                               |
| Weight                                | [g]              | 163.5                                                                         |
| Housing                               |                  | rectangular                                                                   |
| Dimensions                            | [mm]             | 75 x 27 x 62                                                                  |
| Materials                             |                  | PA; PBT                                                                       |
| Lens material                         |                  | PMMA                                                                          |
| Lens alignment                        |                  | side lens                                                                     |
| Displays / operating elements         |                  |                                                                               |
| Display                               | switching status | 1 x LED, yellow                                                               |
|                                       | operation        | 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                               |                  |                                                                               |
| Remarks                               |                  | Recommendation: Check the safe functioning of the unit after a short circuit. |
| Pack quantity                         |                  | 1 pcs.                                                                        |

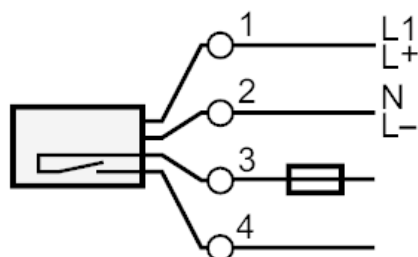
## Retro-reflective sensor

OLP-FKOA

## Electrical connection

terminals: ...1.5 mm<sup>2</sup>; Cable sheath: Ø 4.5...10 mm; Cable gland: M16 X 1.5

## Connection



Note : miniature fuse to IEC60127-2 sheet 1 ≤ 5 A fast acting

## Diagrams and graphs

excess gain graph

