

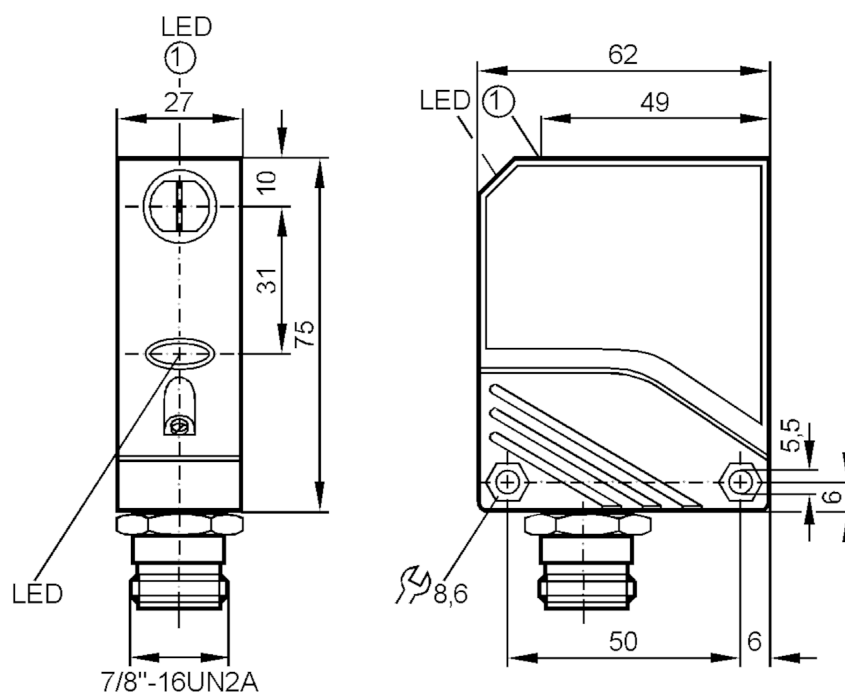
## Diffuse reflection sensor

OLT-FKOA/SL/LS-500

Article no longer available - archive entry

Alternative articles: OL0005

When selecting an alternative article and accessories please note that technical data may differ!



1 pushbutton

## Product characteristics

|               |                |
|---------------|----------------|
| Type of light | infrared light |
| Housing       | rectangular    |

## Application

|                    |                           |
|--------------------|---------------------------|
| Function principle | Diffuse reflection sensor |
|--------------------|---------------------------|

## Electrical data

|                                        |      |                |
|----------------------------------------|------|----------------|
| Frequency AC                           | [Hz] | 47...63        |
| Operating voltage                      | [V]  | 20...250 AC/DC |
| Max. power consumption                 | [VA] | 4              |
| Protection class                       |      | I              |
| Reverse polarity protection            |      | no             |
| Type of light                          |      | infrared light |
| Wave length                            | [nm] | 880            |
| Typ. lifetime                          | [h]  | 100000         |
| Reference temperature for service life | [°C] | 25             |

## Outputs

|                        |      |                                                 |
|------------------------|------|-------------------------------------------------|
| Electrical design      |      | relay                                           |
| Output function        |      | light-on/dark-on mode; (parameterisable)        |
| Contact rating         |      | 250 V AC / 3 A / 960 VA, 125 V DC / 5 A / 120 W |
| Switching frequency AC | [Hz] | 10                                              |



## Diffuse reflection sensor

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|                        |      |    |
|------------------------|------|----|
| Switching frequency DC | [Hz] | 10 |
| Short-circuit proof    |      | no |
| Overload protection    |      | no |

## Detection zone

|                                |      |                                                    |
|--------------------------------|------|----------------------------------------------------|
| Range                          | [mm] | 1...1000; (white paper 200 x 200 mm 90% remission) |
| Range adjustable               |      | yes                                                |
| Max. light spot diameter       | [mm] | 250                                                |
| Light spot dimensions refer to |      | at maximum range                                   |

## Operating conditions

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

## Tests / approvals

|     |              |         |
|-----|--------------|---------|
| EMC | EN 60947-5-2 |         |
|     | EN 55011     | class B |

## Mechanical data

|               |     |             |
|---------------|-----|-------------|
| Weight        | [g] | 0.207       |
| Housing       |     | rectangular |
| Materials     |     | PA; PBT     |
| Lens material |     | PMMA        |

## Displays / operating elements

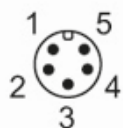
|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|         | operation        | 1 x LED, green  |
|         | function         | 1 x LED, red    |

## Remarks

|               |                                                                               |
|---------------|-------------------------------------------------------------------------------|
| Remarks       | Recommendation: Check the safe functioning of the unit after a short circuit. |
| Pack quantity | 1 pcs.                                                                        |

## Electrical connection

Connector: 1 x 7/8"; coding: A

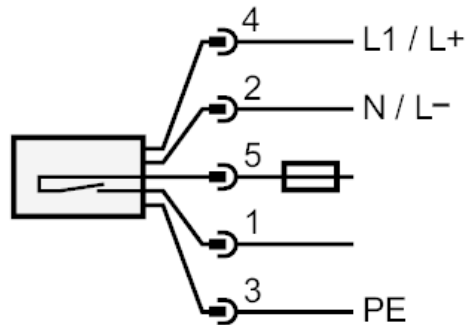




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### Connection



Note : miniature fuse to IEC60127-2 sheet 1  $\leq$  5 A fast acting