



## Diffuse reflection sensor

OLT-FNKG/LS-400

Article no longer available - archive entry

Alternative articles: O5H504 + E21122

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

# No scale drawing available

## Product characteristics

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

## Application

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

## Electrical data

|                             |      |                |
|-----------------------------|------|----------------|
| Operating voltage           | [V]  | 10...36 DC     |
| Current consumption         | [mA] | < 37           |
| Protection class            |      | II             |
| Reverse polarity protection |      | yes            |
| Type of light               |      | infrared light |
| Wave length                 | [nm] | 880            |

## Outputs

|                                                 |      |                                          |
|-------------------------------------------------|------|------------------------------------------|
| Electrical design                               |      | NPN                                      |
| Output function                                 |      | light-on/dark-on mode; (parameterisable) |
| Max. voltage drop switching output DC           | [V]  | 2.5                                      |
| Permanent current rating of switching output DC | [mA] | 100; (200 (...50 °C))                    |
| Switching frequency DC                          | [Hz] | 500                                      |
| Short-circuit protection                        |      | yes                                      |
| Type of short-circuit protection                |      | pulsed                                   |
| Overload protection                             |      | yes                                      |

# OL5039



## Diffuse reflection sensor

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| 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                |                  |                                                    |
| Housing                        |                  | rectangular                                        |
| Dimensions                     | [mm]             | 75 x 27 x 62                                       |
| Materials                      |                  | 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                        |                  |                                                    |
| Pack quantity                  |                  | 1 pcs.                                             |
| Electrical connection          |                  |                                                    |
| Connector: 1 x 7/8"            |                  |                                                    |