

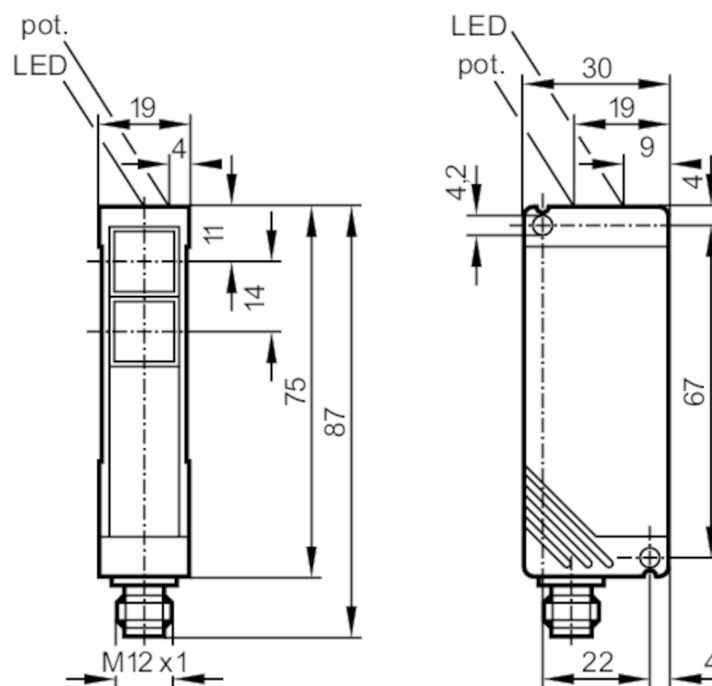
## Diffuse reflection sensor

OTT-FPKG/24V/US-100-IPF

Article no longer available - archive entry

Alternative articles: OT5003

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



receiver in lower lens  
transmitter in upper lens

## Product characteristics

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

## Application

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

## Electrical data

|                             |      |                |
|-----------------------------|------|----------------|
| Operating voltage           | [V]  | 18...36 DC     |
| Current consumption         | [mA] | 40; ((24 V))   |
| Protection class            |      | II             |
| Reverse polarity protection |      | yes            |
| Type of light               |      | infrared light |
| Wave length                 | [nm] | 880            |

## Outputs

|                                                 |      |                                          |
|-------------------------------------------------|------|------------------------------------------|
| Electrical design                               |      | PNP                                      |
| 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                                      |
| Switching frequency DC                          | [Hz] | 100                                      |



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|                                  |        |
|----------------------------------|--------|
| Short-circuit protection         | yes    |
| Type of short-circuit protection | pulsed |
| Overload protection              | yes    |

## Detection zone

|                  |                                   |
|------------------|-----------------------------------|
| Range [mm]       | < 200; (white paper 200 x 200 mm) |
| Range adjustable | yes                               |

## Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -10...50 |
| Protection               | IP 65    |

## Tests / approvals

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

## Mechanical data

|                 |              |
|-----------------|--------------|
| Housing         | rectangular  |
| Dimensions [mm] | 75 x 19 x 30 |
| Materials       | PBT          |
| Lens material   | PMMA         |

## Displays / operating elements

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

## Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

## Electrical connection

Connector: 1 x M12; coding: A





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### Connection

