



## Retro-reflective sensor

OPR-FBOW

Article no longer available - archive entry

Alternative articles: OA0104 or OA0105

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 | Retro-reflective sensor |
|--------------------|-------------------------|

## Electrical data

|                     |      |                |
|---------------------|------|----------------|
| Frequency AC        | [Hz] | 47...63        |
| Operating voltage   | [V]  | 35...250 AC    |
| Current consumption | [mA] | < 10           |
| Protection class    |      | II             |
| Type of light       |      | Infrared light |
| Wave length         | [nm] | 880            |

## Outputs

|                                                 |      |                                       |
|-------------------------------------------------|------|---------------------------------------|
| Output function                                 |      | light-on/dark-on mode; (configurable) |
| Max. voltage drop switching output AC           | [V]  | 7.5                                   |
| Max. leakage current                            | [mA] | 6                                     |
| Permanent current rating of switching output AC | [mA] | 300; (500 (...50 °C))                 |
| Short-time current rating of switching output   | [mA] | 2200; (20 ms / 0,5 Hz)                |
| Switching frequency AC                          | [Hz] | 15                                    |
| Short-circuit protection                        |      | no                                    |
| Overload protection                             |      | no                                    |



Retro-reflective sensor

OPR-FBOW

| Monitoring range                      |                  |                                              |
|---------------------------------------|------------------|----------------------------------------------|
| Range                                 | [m]              | 0.15...10; (Prismatic reflector Ø 80 E20005) |
| Range referred to prismatic reflector | [m]              | 0.15...10; (Prismatic reflector Ø 80 E20005) |
| Range adjustable                      |                  | yes                                          |
| Operating conditions                  |                  |                                              |
| Ambient temperature                   | [°C]             | -20...80                                     |
| Protection                            |                  | IP 65                                        |
| Tests / approvals                     |                  |                                              |
| EMC                                   | EN 60947-5-2     |                                              |
|                                       | EN 55011         | class B                                      |
| Mechanical data                       |                  |                                              |
| Housing                               |                  | rectangular                                  |
| Dimensions                            | [mm]             | 86 x 28 x 142                                |
| Material                              |                  | PPO modified                                 |
| Lens material                         |                  | glass                                        |
| Displays / operating elements         |                  |                                              |
| Display                               | Switching status | 1 x LED, yellow                              |
| Remarks                               |                  |                                              |
| Pack quantity                         |                  | 1 pcs.                                       |
| Electrical connection                 |                  |                                              |
| terminals: ...1.5 mm²                 |                  |                                              |
| Connection                            |                  |                                              |

