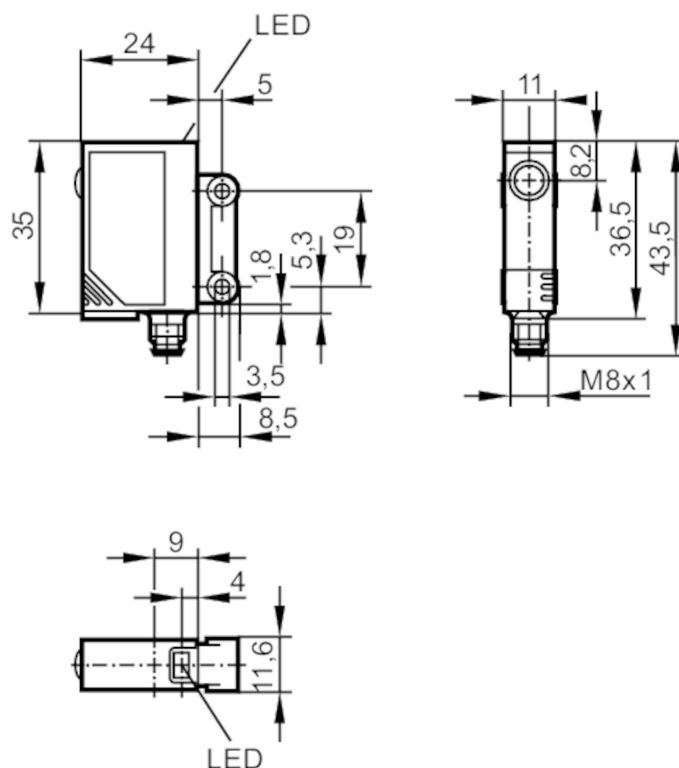


# OJP200



## Retro-reflective sensor

OJP-DPKG/SO/AS



### Product characteristics

|               |             |
|---------------|-------------|
| Type of light | red light   |
| Housing       | rectangular |

### Application

|                    |                         |
|--------------------|-------------------------|
| Special feature    | polarisation filter     |
| Function principle | Retro-reflective sensor |

### Electrical data

|                             |      |            |
|-----------------------------|------|------------|
| Operating voltage           | [V]  | 10...30 DC |
| Current consumption         | [mA] | < 20       |
| Protection class            |      | III        |
| Reverse polarity protection |      | yes        |
| Type of light               |      | red light  |

### Outputs

|                                                 |      |              |
|-------------------------------------------------|------|--------------|
| Electrical design                               |      | PNP          |
| Output function                                 |      | dark-on mode |
| Max. voltage drop switching output DC           | [V]  | 2.5          |
| Permanent current rating of switching output DC | [mA] | 200          |
| Switching frequency DC                          | [Hz] | 1000         |
| Short-circuit protection                        |      | yes          |



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

## Detection zone

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Range referred to prismatic reflector [m] | 1.8; (Prismatic reflector Ø 80 E20005) |
| Range adjustable                          | no                                     |
| Max. light spot diameter [mm]             | 64                                     |
| Light spot dimensions refer to            | at maximum range                       |
| Polarisation filter available             | yes                                    |

## Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...60 |
| Protection               | IP 67    |

## Tests / approvals

|            |              |
|------------|--------------|
| EMC        | EN 60947-5-2 |
| MTTF [ANN] | 905          |

## Mechanical data

|                 |              |
|-----------------|--------------|
| Weight [g]      | 15.6         |
| Housing         | rectangular  |
| Dimensions [mm] | 35 x 11 x 24 |
| Materials       | ABS; SEPS    |
| Lens material   | PMMA         |
| Lens alignment  | side lens    |

## Displays / operating elements

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

## Remarks

|               |                                                       |
|---------------|-------------------------------------------------------|
| Remarks       | operating voltage "supply class 2" according to cULus |
| Pack quantity | 1 pcs.                                                |

## Electrical connection

Connector: 1 x M8; coding: A





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### Connection

