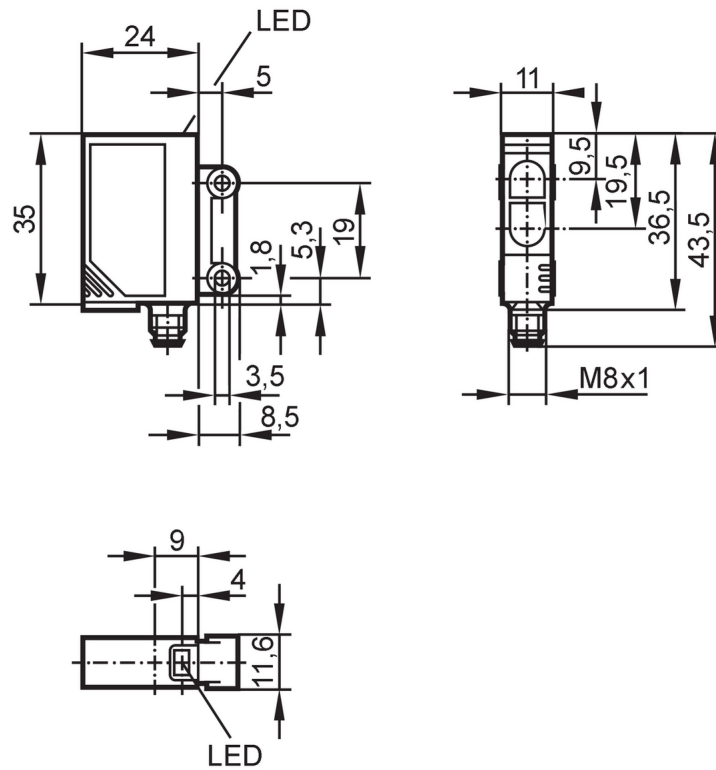


OJH200



Diffuse reflection sensor with background suppression

OJH-HPKG/SO/AS



receiver in upper lens
transmitter in lower lens



Product characteristics

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

Application

| | |
|--------------------|--|
| Special feature | Background suppression |
| Function principle | Diffuse reflection sensor |
| Application | Industrial applications / factory automation |

Electrical data

| | | |
|-----------------------------|------|------------|
| Operating voltage | [V] | 10...30 DC |
| Current consumption | [mA] | 25 |
| Protection class | | III |
| Reverse polarity protection | | yes |
| Type of light | | red light |
| Wave length | [nm] | 660 |

Outputs

| | | |
|---|------|---------------|
| Electrical design | | PNP |
| Output function | | light-on mode |
| Max. voltage drop switching output DC | [V] | 2.5 |
| Permanent current rating of switching output DC | [mA] | 200 |

OJH200



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| | | |
|----------------------------------|------|--------|
| Switching frequency DC | [Hz] | 1000 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |

| Detection zone | | |
|----------------------------------|------|------------------|
| Range | [mm] | < 100; (fixed) |
| Range adjustable | | no |
| Max. light spot diameter | [mm] | 13 |
| Light spot dimensions refer to | | at maximum range |
| Background suppression available | | yes |

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

| Tests / approvals | | |
|-------------------|---------|--------------|
| EMC | | EN 60947-5-2 |
| MTTF | [years] | 551 |

| Mechanical data | | |
|-----------------|------|--------------------------------|
| Weight | [g] | 15.7 |
| Housing | | rectangular |
| Dimensions | [mm] | 35 x 11 x 24 |
| Materials | | housing: ABS; LED window: SEPS |
| Lens material | | front pane: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; Contacts: 3 | | |
| | | |



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Connection

