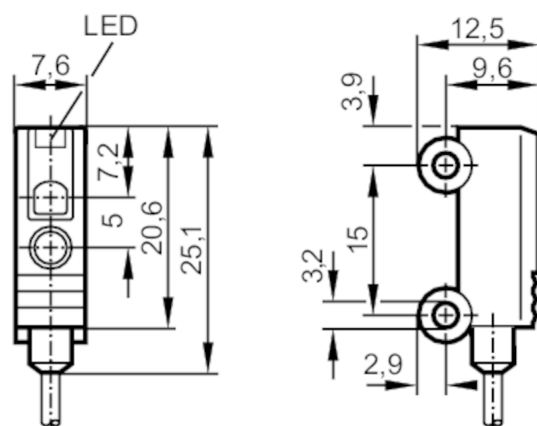




## Diffuse reflection sensor with background suppression

OHH-HPKG/0,20M/AS



## Application

|                    |                           |
|--------------------|---------------------------|
| Function principle | Diffuse reflection 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  |
| Typ. lifetime [h]                           | 75000      |
| Reference temperature for service life [°C] | 25         |

## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | light-on mode |
| Permanent current rating of switching output DC [mA] | 50            |
| Switching frequency DC [Hz]                          | 800           |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

## Detection zone

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| Range [mm]                       | 1...30; (white paper 200 x 200 mm 90 % remission) |
| Range adjustable                 | no                                                |
| Max. light spot diameter [mm]    | 4.5                                               |
| Light spot dimensions refer to   | at maximum range                                  |
| Background suppression available | yes                                               |

## Response times

|                   |       |
|-------------------|-------|
| Response time [s] | < 0.6 |
|-------------------|-------|

# OH5017



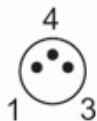
## Diffuse reflection sensor with background suppression

OHH-HPKG/0,20M/AS

| Operating conditions          |                  |                                |
|-------------------------------|------------------|--------------------------------|
| Ambient temperature           | [°C]             | -20...50                       |
| Protection                    |                  | IP 67                          |
| Tests / approvals             |                  |                                |
| EMC                           |                  | EN 60947-5-2                   |
| Mechanical data               |                  |                                |
| Weight                        | [g]              | 14.8                           |
| Housing                       |                  | rectangular                    |
| Dimensions                    | [mm]             | 25.1 x 7.6 x 12.5              |
| Materials                     |                  | ABS                            |
| Lens material                 |                  | PMMA                           |
| Lens alignment                |                  | side lens                      |
| Displays / operating elements |                  |                                |
| Display                       | switching status | 1 x LED, yellow                |
|                               | unsafe zone      | 1 x LED, yellow flashing light |
| Remarks                       |                  |                                |
| Notes                         |                  | discontinued article           |
| Pack quantity                 |                  | 1 pcs.                         |
| Electrical connection         |                  |                                |

Cable: 0.2 m, PVC

Connector: 1 x M8



### Connection

