## Reflex Sensor

with Background Suppression

## P1NH301



## - Condition monitoring

- IO-Link 1.1
- Low switching distance deviation for black/white
- Reliably detect objects against any background

The reflex sensor with background suppression works with red light according to the angle measurement principle and is suitable for the detection of objects against any background. The sensor always has the same switching distance, regardless of the color, shape and surface of the objects. Minimal height differences can be detected with the sensors and, for example, various parts can be reliably differentiated from each other. The IO-Link interface can be used to configure the reflex sensors (PNP/NPN, NC/NO), as well as for reading out switching statuses.



## Complementary Products

## Dust Extraction Tube STAUBTUBUS-03

## IO-Link Master

Set Protective Housing Z1NS001
Software


## Ctrl. Panel


$05=$ Switching Distance Adjuster
$30=$ Switching Status/Contamination Warning 68 = Supply Voltage Indicator

Table 1

| Detection Range | 60 mm | 250 mm | 500 mm |
| :--- | ---: | ---: | ---: |
| Light Spot Diameter | 11 mm | 13 mm | 15 mm |

## Switching Distance Deviation

Typical characteristic curve based on white, $90 \%$ remission


