

## FHDK 14P6901/S14

Diffuse sensors with background suppression - standard

Article number: 11001179

### Overview

- background suppression
- 40 ... 200 mm
- pulsed red LED
- PNP
- Teach-in
- connector M12 4 pin
- -25 ... 65 °C
- IP 67



Picture similar



### Technical data

#### General data

Type	Background suppression
Light source	Pulsed red LED
Sensing distance $T_w$	40 ... 200 mm
Sensing range $T_b$ (at $T_w$ max.)	20 ... 200 mm
Sensing range $T_b$ (at $T_w$ min.)	12 ... 40 mm
Alignment / soiled lens indicator	Flashing light indicator
Light indicator	LED green
Output indicator	LED yellow
Sensing distance adjustment	Teach-in
Wave length	660 nm
Suppression of reciprocal influence	Yes

#### Electrical data

Response time / release time	< 0.5 ms
Voltage supply range +Vs	10 ... 30 VDC

#### Electrical data

Current consumption max. (no load)	40 mA
Current consumption typ.	35 mA
Voltage drop $V_d$	< 1.8 VDC
Output function	Light / dark operate
Output circuit	PNP
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

#### Mechanical data

Width / diameter	14.8 mm
Height / length	43 mm
Depth	31 mm
Type	Rectangular
Housing material	Plastic (ASA, MABS)
Front (optics)	PMMA
Connection types	Connector M12 4 pin

#### Ambient conditions

Protection class	IP 67
Operating temperature	-25 ... +65 °C

### Remarks

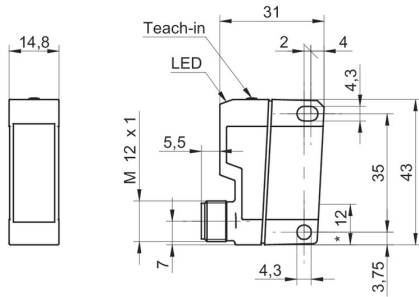
- Sensitivity adjustable: via Teach-in button or Teach-in wire input

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## Dimension drawing



- \* emitter axis

## Connection diagram

