

## FHDK 10P5150

Diffuse sensors with background suppression - miniature

Article number: 10163202

### Overview

- background suppression
- 20 ... 80 mm
- pulsed red LED
- PNP
- mechanical, 5 turn
- cable 4 pin, 2 m
- -25 ... 65 °C
- IP 65



Picture similar



### Technical data

#### General data

Type	Background suppression
Version	Line beam
Light source	Pulsed red LED
Sensing distance $T_w$	20 ... 80 mm
Sensing range $T_b$ (at $T_w$ max.)	5 ... 80 mm
Sensing range $T_b$ (at $T_w$ min.)	5 ... 20 mm
Alignment / soiled lens indicator	Flashing light indicator
Light indicator	LED yellow
Sensing distance adjustment	Mechanical, 5 turn
Wave length	660 nm
Suppression of reciprocal influence	Yes

#### Electrical data

Response time / release time	< 1 ms
Voltage supply range +Vs	10 ... 30 VDC

#### Electrical data

Current consumption max. (no load)	30 mA
Current consumption typ.	20 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	10.4 mm
Height / length	27 mm
Depth	14 mm
Type	Rectangular
Housing material	Plastic (ASA)
Front (optics)	PMMA
Connection types	Cable 4 pin, 2 m

#### Ambient conditions

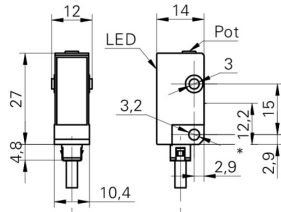
Protection class	IP 65
Operating temperature	-25 ... +65 °C

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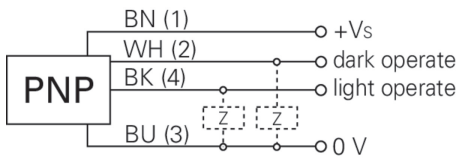
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## Dimension drawing



- \* emitter axis

## Connection diagram



## Beam characteristic (typically)

