

FHDK 10P5110

Diffuse sensors with background suppression - miniature

Article number: 10159972

Overview

- background suppression
- 25 ... 120 mm
- pulsed PinPoint LED
- PNP
- mechanical, 5 turn
- cable 4 pin, 2 m
- -25 ... 65 °C
- IP 65



Picture similar



Technical data

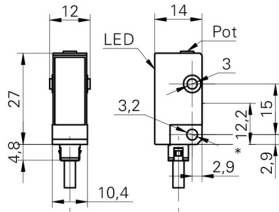
General data		Electrical data	
Type	Background suppression	Current consumption max. (no load)	30 mA
Light source	Pulsed PinPoint LED	Current consumption typ.	20 mA
Sensing distance Tw	25 ... 120 mm	Voltage drop Vd	< 1.8 VDC
Sensing range Tb (at Tw max.)	5 ... 120 mm	Output function	Light / dark operate
Sensing range Tb (at Tw min.)	5 ... 25 mm	Output circuit	PNP
Alignment / soiled lens indicator	Flashing light indicator	Output current	< 100 mA
Light indicator	LED yellow	Short circuit protection	Yes
Sensing distance adjustment	Mechanical, 5 turn	Reverse polarity protection	Yes
Distance to focus	35 ... 45 mm	Mechanical data	
Wave length	660 nm	Width / diameter	10.4 mm
Beam diameter	2 mm at focus	Height / length	27 mm
Suppression of reciprocal influence	Yes	Depth	14 mm
Electrical data		Type	Rectangular
Response time / release time	< 1 ms	Housing material	Plastic (ASA)
Voltage supply range +Vs	10 ... 30 VDC	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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Dimension drawing



- * emitter axis

Connection diagram

