

FHDK 10N5101

Diffuse sensors with background suppression - miniature

Article number: 10139965

Overview

- background suppression
- 20 ... 120 mm
- pulsed red LED
- NPN
- mechanical, 5 turn
- cable 4 pin, 2 m
- -25 ... 65 °C
- IP 65



Picture similar



Technical data

General data

Type	Background suppression
Light source	Pulsed red LED
Sensing distance Tw	20 ... 120 mm
Sensing range Tb (at Tw max.)	5 ... 120 mm
Sensing range Tb (at Tw min.)	5 ... 20 mm
Alignment / soiled lens indicator	Flashing light indicator
Light indicator	LED yellow
Sensing distance adjustment	Mechanical, 5 turn
Distance to focus	35 ... 45 mm
Wave length	660 nm
Beam diameter	4 mm at focus
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 Vd	< 1.8 VDC
Output function	Light / dark operate
Output circuit	NPN
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

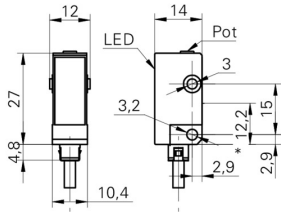
Protection class	IP 65
Operating temperature	-25 ... +65 °C

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Dimension drawing



- * emitter axis

Connection diagram

