

FZDK 10P5101

Diffuse sensors with intensity difference - miniature

Article number: 10139961

Overview

- intensity difference
- 5 ... 200 mm
- pulsed red LED
- PNP
- potentiometer, 270°
- cable 4 pin, 2 m
- -25 ... 65 °C
- IP 65



Picture similar



Technical data

General data

| | |
|-------------------------------------|--------------------------|
| Type | Intensity difference |
| Light source | Pulsed red LED |
| Sensing distance Tw | 5 ... 200 mm |
| Alignment / soiled lens indicator | Flashing light indicator |
| Light indicator | LED yellow |
| Sensitivity adjustment | Potentiometer, 270° |
| Wave length | 660 nm |
| Suppression of reciprocal influence | Yes |

Electrical data

| | |
|------------------------------------|---------------|
| Response time / release time | < 1 ms |
| Voltage supply range +Vs | 10 ... 30 VDC |
| Current consumption max. (no load) | 30 mA |
| Current consumption typ. | 20 mA |

Electrical data

| | |
|-----------------------------|----------------------|
| Voltage drop Vd | < 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

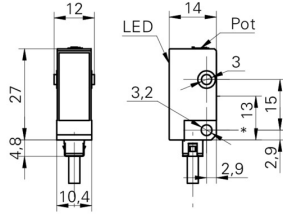
| | |
|-----------------------|----------------|
| Protection class | IP 65 |
| Operating temperature | -25 ... +65 °C |

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Dimension drawing



- * emitter axis

Connection diagram

