

## FZAM 18P1155

Diffuse sensors with intensity difference

Article number: 10127711

### Overview

- intensity difference
- 20 ... 150 mm
- pulsed infrared diode
- PNP
- potentiometer, 15 turn
- cable 3 pin, 2 m
- -25 ... 55 °C
- IP 65



Picture similar



### Technical data

#### General data

|                                           |                          |
|-------------------------------------------|--------------------------|
| Type                                      | Intensity difference     |
| Light source                              | Pulsed infrared diode    |
| Sensing distance Tw                       | 20 ... 150 mm            |
| Sensing distance Tw (with doubling lense) | 30 ... 280 mm            |
| Alignment / soiled lens indicator         | Flashing light indicator |
| Light indicator                           | LED yellow               |
| Sensitivity adjustment                    | Potentiometer, 15 turn   |
| Wave length                               | 880 nm                   |
| Suppression of reciprocal influence       | Yes                      |

#### Electrical data

|                                    |               |
|------------------------------------|---------------|
| Response time / release time       | < 0.5 ms      |
| Voltage supply range +Vs           | 10 ... 30 VDC |
| Current consumption max. (no load) | 45 mA         |

#### Electrical data

|                             |               |
|-----------------------------|---------------|
| Current consumption typ.    | 30 mA         |
| Voltage drop Vd             | < 1.8 VDC     |
| Output function             | Light operate |
| Output circuit              | PNP           |
| Output current              | < 200 mA      |
| Short circuit protection    | Yes           |
| Reverse polarity protection | Yes           |

#### Mechanical data

|                  |                          |
|------------------|--------------------------|
| Width / diameter | 18 mm                    |
| Height / length  | 50 mm                    |
| Type             | Cylindrical threaded     |
| Housing material | Brass nickel plated / PC |
| Front (optics)   | PC                       |
| Connection types | Cable 3 pin, 2 m         |

#### Ambient conditions

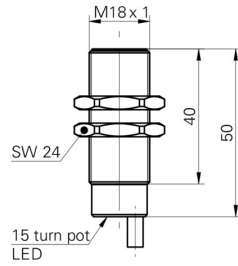
|                       |                |
|-----------------------|----------------|
| Protection class      | IP 65          |
| Operating temperature | -25 ... +55 °C |

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### Dimension drawing



### Connection diagram

