

# FZAM 18P1155

Fiber optic sensors

Article number: 10127711

## Overview

- 60 mm
- 310 mm
- pulsed infrared diode
- PNP
- potentiometer, 15 turn
- cable 3 pin, 2 m
- -25 ... 55 °C
- IP 65



Picture similar



## Technical data

### General data

|                                     |                        |
|-------------------------------------|------------------------|
| Light source                        | Pulsed infrared diode  |
| Light indicator                     | LED yellow             |
| Alignment / soiled lens indicator   | LED, flashing          |
| 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         |
| Current consumption typ.           | 30 mA         |

### Electrical data

|                             |               |
|-----------------------------|---------------|
| 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           |

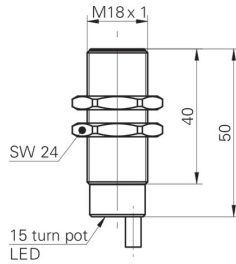
### Mechanical data

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

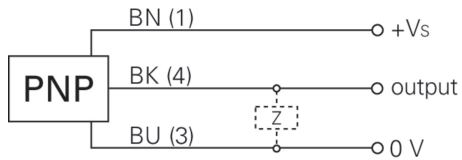
### Ambient conditions

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

## Dimension drawing



## Connection diagram



## Accessories

### Mounting accessories

|          |   |
|----------|---|
| 10151658 | Sensofix series 18                                |
| 11707685 | Mounting rod with mounting plate holder 200 mm    |
| 11707686 | Mounting rod with mounting plate holder 300 mm    |
| 11707688 | Mounting rod 200 mm                               |
| 11707697 | Mounting rod 250 mm                               |
| 11707698 | Mounting rod with mounting plate holder 250 mm    |
| 11707687 | Mounting rod 300 mm                               |
| 11707699 | Mounting plate series 500 and $\varnothing$ 18 mm |
| 11707702 | Mounting base                                     |
| 11707703 | Two-way connector                                 |

### Lenses and components

|          |   |
|----------|---|
| 10101958 | Adjusting plate series 18                       |
| 10101480 | Replacements cap nut for fiber optics series 18 |