

FZAM 18N1155

Fiber optic sensors

Article number: 10129023

Overview

- 60 mm
- 310 mm
- pulsed infrared diode
- NPN
- 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 | NPN |
| Output current | 200 mA |
| Short circuit protection | Yes |
| Reverse polarity protection | Yes |

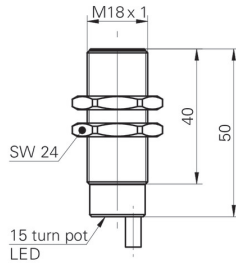
Mechanical data

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

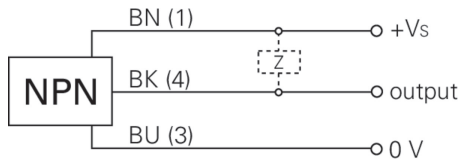
Ambient conditions

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