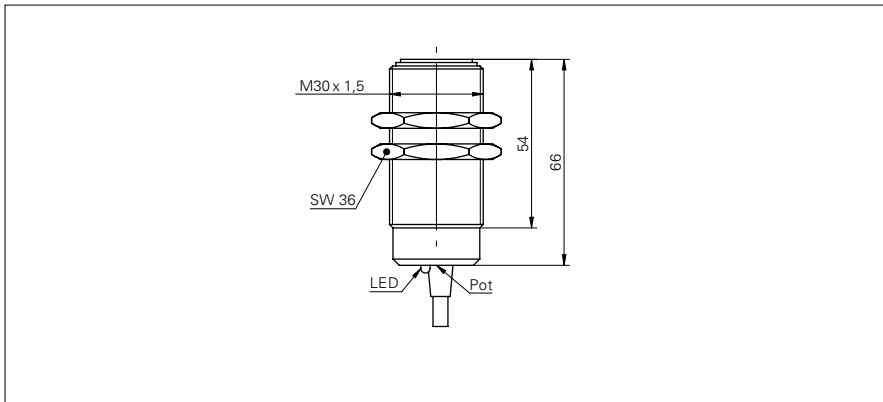


Fiber optic sensors & cables

FZAM 30

sample drawing



general data

| | |
|-----------------------------------|------------------------|
| light source | pulsed infrared diode |
| light indicator | LED yellow |
| alignment / soiled lens indicator | LED, flashing |
| adjustment | potentiometer, 20 turn |
| wave length | 880 nm |

electrical data

| | |
|-----------------------------|----------------------|
| voltage supply range +Vs | 10 ... 30 VDC |
| voltage drop Vd | < 2,5 VDC |
| output function | light / dark operate |
| output current | < 100 mA |
| short circuit protection | yes |
| reverse polarity protection | yes |

mechanical data

| | |
|------------------|----------------------|
| width / diameter | 30 mm |
| height / length | 66 mm |
| type | cylindrical threaded |
| housing material | brass nickel plated |
| connection types | cable 4 pin, 2 m |

ambient conditions

| | |
|-----------------------|--------------|
| operating temperature | 0 ... +65 °C |
| protection class | IP 65 |

sample picture



| order reference | actual range Sb | sensing distance Tw | response time / release time | current consumption max. (no load) | current consumption typ. | output circuit |
|---------------------|-----------------|---------------------|------------------------------|------------------------------------|--------------------------|----------------|
| FZAM 30N5004 | 1400 mm | 230 mm | < 2,5 ms | 50 mA | 33 mA | NPN |
| FZAM 30P5001 | 600 mm | 110 mm | < 0,25 ms | 40 mA | 30 mA | PNP |
| FZAM 30P5004 | 1400 mm | 230 mm | < 2,5 ms | 50 mA | 33 mA | PNP |