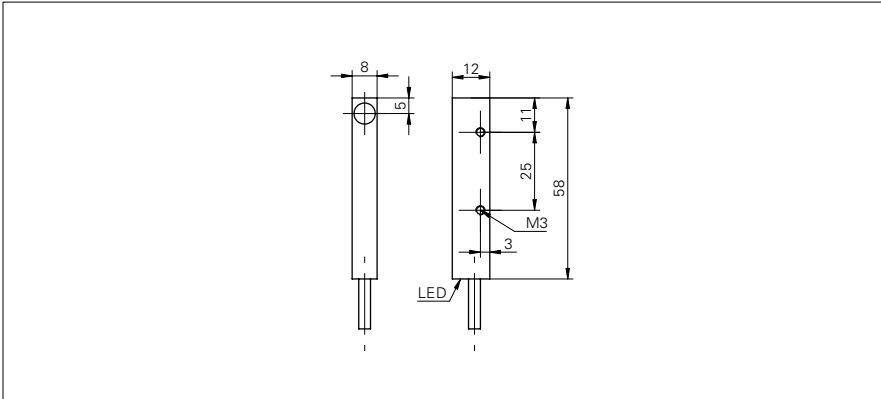


**Diffuse sensors with intensity difference**

**FZDM 08P1001**

**dimension drawing**



**general data**

|                                     |                          |
|-------------------------------------|--------------------------|
| type                                | intensity difference     |
| light source                        | pulsed infrared diode    |
| sensing distance Tw                 | < 40 mm                  |
| alignment / soiled lens indicator   | flashing light indicator |
| light indicator                     | LED red                  |
| sensitivity adjustment              | no                       |
| wave length                         | 880 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) | 42 mA         |
| current consumption typ.           | 20 mA         |
| voltage drop Vd                    | < 2 VDC       |
| output function                    | light operate |
| output circuit                     | PNP           |
| output current                     | < 100 mA      |
| short circuit protection           | yes           |
| reverse polarity protection        | yes           |

**mechanical data**

|                  |                   |
|------------------|-------------------|
| width / diameter | 8 mm              |
| height / length  | 58 mm             |
| depth            | 12 mm             |
| type             | rectangular       |
| housing material | aluminum anodized |
| front (optics)   | PC                |
| connection types | cable 3 pin, 2 m  |

**ambient conditions**

|                       |                |
|-----------------------|----------------|
| operating temperature | -25 ... +65 °C |
| protection class      | IP 65          |

**photo**



**connection diagram**

