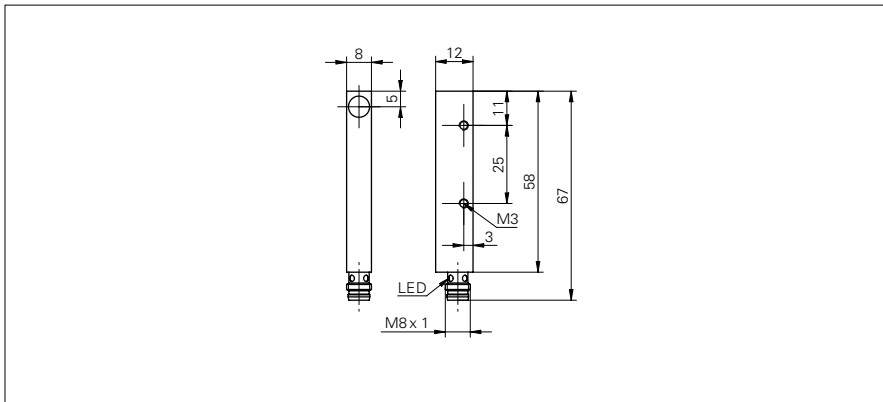


Diffuse sensors with intensity difference

FZDM 08P3002/S35L

dimension drawing



general data

| | |
|-------------------------------------|--------------------------|
| type | intensity difference |
| light source | pulsed infrared diode |
| sensing distance Tw | < 80 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 | dark 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 | connector M8, 3 pin |

ambient conditions

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

photo



connection diagram

