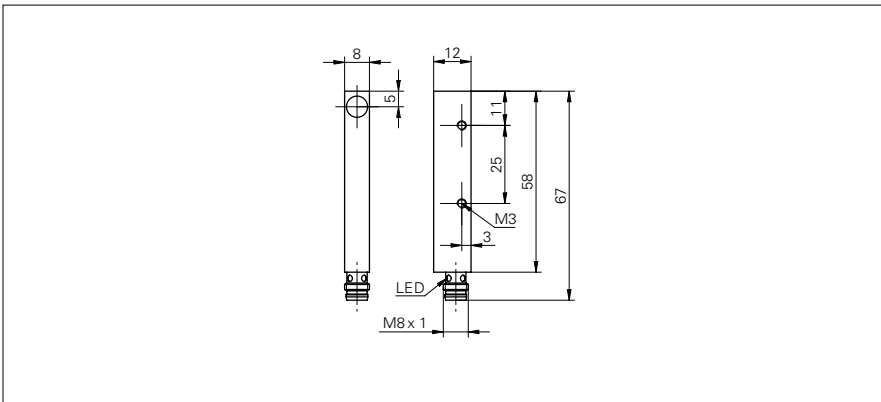


**Diffuse sensors with intensity difference**

**FZDM 08P1002/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	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	connector M8, 3 pin

**ambient conditions**

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

**photo**



**connection diagram**

