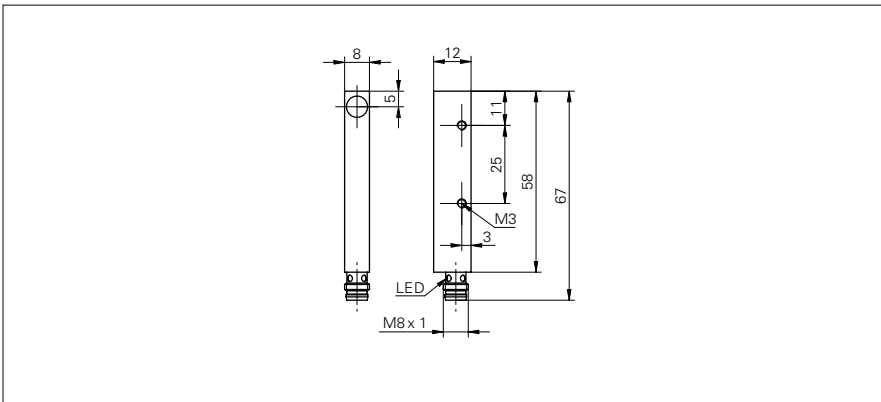


# Diffuse sensors with intensity difference

**FZDM 08**

**sample drawing**



**general data**

type	intensity difference
light source	pulsed infrared diode
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 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

**ambient conditions**

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

**sample picture**



## Diffuse sensors with intensity difference

## FZDM 08

order reference	sensing distance Tw	connection types	output function
FZDM 08P1001	< 40 mm	cable 3 pin, 2 m	light operate
FZDM 08P1001/S35L	< 40 mm	connector M8, 3 pin	light operate
FZDM 08P1002	< 80 mm	cable 3 pin, 2 m	light operate
FZDM 08P1002/S35L	< 80 mm	connector M8, 3 pin	light operate
FZDM 08P3001	< 40 mm	cable 3 pin, 2 m	dark operate
FZDM 08P3001/S35L	< 40 mm	connector M8, 3 pin	dark operate
FZDM 08P3002	< 80 mm	cable 3 pin, 2 m	dark operate
FZDM 08P3002/S35L	< 80 mm	connector M8, 3 pin	dark operate