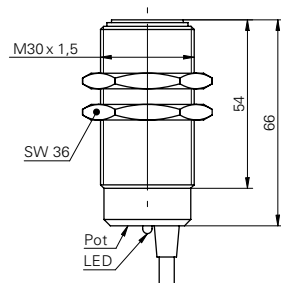


## Diffuse sensors with intensity difference

### FZAM 30

#### sample drawing



#### general data

type	intensity difference
light source	pulsed infrared diode
alignment / soiled lens indicator	flashing light indicator
light indicator	LED yellow
sensitivity adjustment	potentiometer, 15 turn
wave length	880 nm

#### electrical data

voltage supply range +Vs	10 ... 30 VDC
current consumption max.	60 mA
current consumption typ.	50 mA
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
housing material	brass nickel plated
front (optics)	PC
connection types	cable 4 pin, 2 m

#### ambient conditions

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

#### sample picture



order reference	sensing distance Tw	output circuit	response time / release time
<b>FZAM 30N5002</b>	300 ... 1500 mm	NPN	< 2,5 ms
<b>FZAM 30N5003</b>	100 ... 700 mm	NPN	< 0,25 ms
<b>FZAM 30P5002</b>	300 ... 1500 mm	PNP	< 2,5 ms
<b>FZAM 30P5003</b>	100 ... 700 mm	PNP	< 0,25 ms