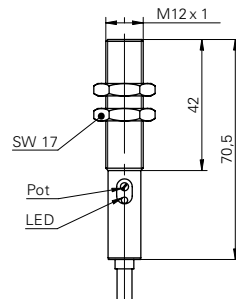


## Diffuse sensors with intensity difference

### FZAM 12N3104

#### dimension drawing



#### general data

type	intensity difference
light source	pulsed infrared diode
sensing distance Tw	30 ... 200 mm
alignment / soiled lens indicator	flashing light indicator
light indicator	LED yellow
sensitivity adjustment	potentiometer, 270°
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.	24 mA
voltage drop Vd	< 1,8 VDC
output function	dark operate
output circuit	NPN
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes

#### mechanical data

width / diameter	12 mm
height / length	70 mm
type	cylindrical
housing material	brass nickel plated
front (optics)	PC
connection types	cable 3 pin, 2 m

#### ambient conditions

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

#### photo



#### connection diagram

