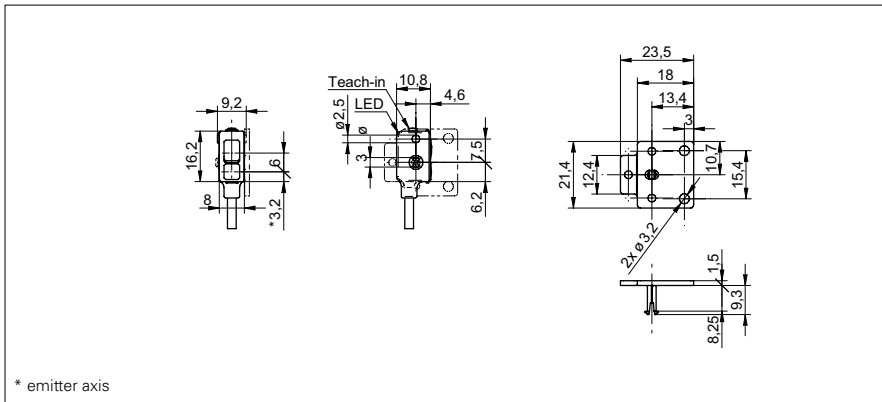


# Diffuse sensors with intensity difference

FZDK 07

**sample drawing**



\* emitter axis

**general data**

type	intensity difference
light source	pulsed red LED
sensing distance Tw	20 ... 150 mm
alignment / soiled lens indicator	flashing light indicator
light indicator	LED green
output indicator	LED yellow
sensitivity adjustment	Teach-in
wave length	660 nm
suppression of reciprocal influence	yes

**electrical data**

response time / release time	< 0,5 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	25 mA
current consumption typ.	20 mA
voltage drop Vd	< 1,8 VDC
output function	light / dark operate
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

**mechanical data**

width / diameter	8 mm
height / length	16,2 mm
depth	10,8 mm
type	rectangular
housing material	plastic (PMMA, MABS, PA)
front (optics)	PMMA

**ambient conditions**

operating temperature	-20 ... +50 °C
protection class	IP 65

**sample picture**



## Diffuse sensors with intensity difference

## FZDK 07

order reference	connection types	output circuit
FZDK 07N6901	cable bottom side, 2 m	NPN
FZDK 07N6901/KS35A	flylead connector M8 4 pin, L=200 mm	NPN
FZDK 07P6901	cable bottom side, 2 m	PNP
FZDK 07P6901/KS35A	flylead connector M8 4 pin, L=200 mm	PNP