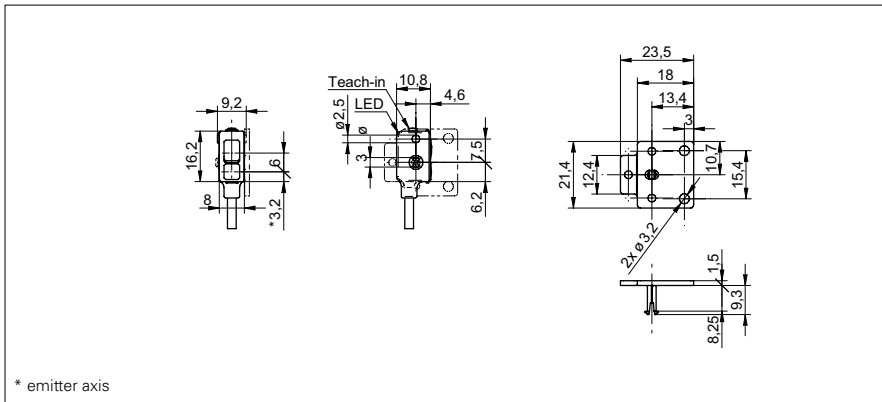


Diffuse sensors with background suppression

FHDK 07P6901

dimension drawing



general data

type	background suppression
light source	pulsed red LED
sensing distance Tw	10 ... 60 mm
sensing range Tb (at Tw max.)	2 ... 60 mm
sensing range Tb (at Tw min.)	5 ... 10 mm
alignment / soiled lens indicator	flashing light indicator
light indicator	LED green
output indicator	LED yellow
sensing distance adjustment	Teach-in
wave length	660 nm
suppression of reciprocal influence	yes

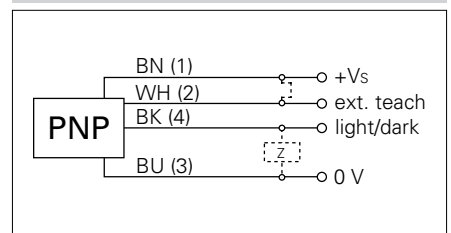
photo



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 circuit	PNP
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

connection diagram



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
connection types	cable bottom side, 2 m

ambient conditions

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



- sensitivity adjustable: via Teach-in button or Teach-in wire input