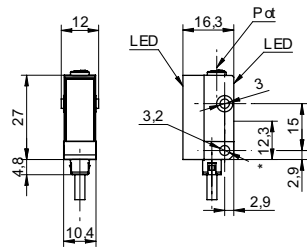


**Retro-reflective sensors**

**FDPK 10N5135**

**dimension drawing**



\* emitter axis

**general data**

type	retro-reflective sensor
light source	pulsed red LED
actual range $S_b$	3,5 m
nominal range $S_n$	4 m
polarization filter	yes
alignment / soiled lens indicator	flashing light indicator
light indicator	LED yellow
sensitivity adjustment	potentiometer, 240°
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 circuit	NPN
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

**mechanical data**

width / diameter	10,4 mm
height / length	27 mm
depth	16,3 mm
type	rectangular
housing material	plastic (ASA)
front (optics)	PMMA
connection types	cable 4 pin, 2 m

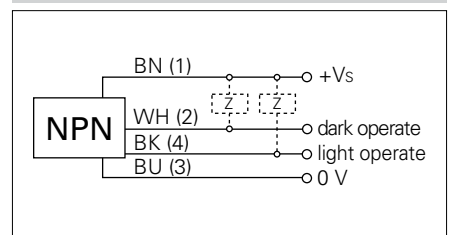
**ambient conditions**

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

**photo**



**connection diagram**



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