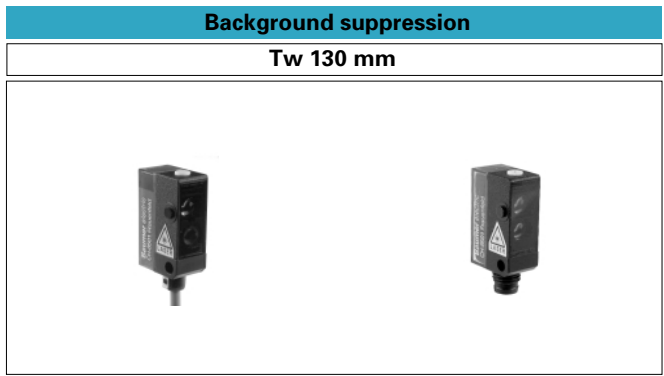


# Diffuse laser sensors

## Series 10



<b>PNP</b>	light operate
	dark operate
	light/dark operate
<b>NPN</b>	light operate
	dark operate
	light/dark operate

cable
<b>OHDK 10P5101</b>
<b>OHDK 10N5101</b>

connector
<b>OHDK 10P5101/S35A</b>
<b>OHDK 10N5101/S35A</b>

technical data
sensing distance adjustable Tw
sensing distance Tw (on Kodak white)
beam focal point
repeatability (lateral approach)
output indicator
power indicator
light source
wave length
laser class
voltage supply range
max. supply current average value / peak value
max. switching current
voltage drop
response time / release time
sensitivity adjustment
short circuit protection
reverse polarity protection
temperature range
housing material
protection class

20...130 mm
3...130 mm
40 mm
< 0,2 mm at laser focus
yellow LED
green LED
pulsed red laser diode
675 nm
2
10 - 30 VDC
40 mA / 50 mA
100 mA
≤ 1,8 VDC
≤ 0,5 ms
5 turn mechanical adjustment
yes
yes
-10...+50 °C
Acrylnitril / Styrol / Acrylester (ASA)
IP 65

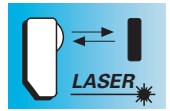
20...130 mm
3...130 mm
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yellow LED
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pulsed red laser diode
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10 - 30 VDC
40 mA / 50 mA
100 mA
≤ 1,8 VDC
≤ 0,5 ms
5 turn mechanical adjustment
yes
yes
-10...+50 °C
Acrylnitril / Styrol / Acrylester (ASA)
IP 67









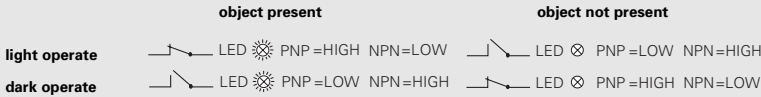
# Series 10

- Subminiature design
- High repeatability
- Sensing point < 0,2 mm at 40 mm
- Visible red light
- Fully adjustable sensing distance

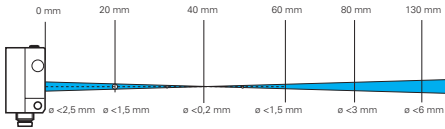
### connection diagrams



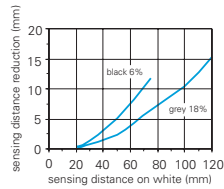
### output state



### beam diameter chart



### sensing distance diagram



### connectors

ESW 31AH0200	4 pin	2 m PUR halogen-free
ESG 32AH0200	4 pin	2 m PUR halogen-free

### accessories (included)

mounting bracket (cable type)	114501
mounting bracket (connector type)	133792

Tw adjustable up to 130 mm

Background suppression

Visible red light

**CAUTION**

LASER RADIATION

DO NOT STARE INTO BEAM

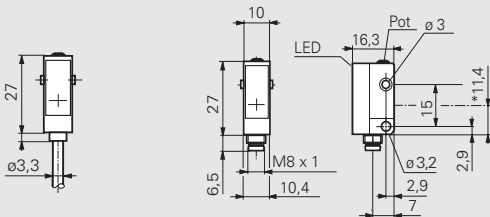
LASERDIODE

Typical range: 200 - 650 nm  
Peak output: 1 mW

Class 2 LASER Product

**IEC 825-1/1996  
21CFR 1040.10**

for details see accessories section



\*emitter axis