

Diffuse laser
sensors
Series 10

Background suppression

Tw 130 mm



PNP	light operate
	dark operate
	light/dark operate
NPN	light operate
	dark operate
	light/dark operate

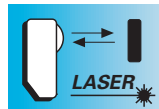
cable
OHDK 10P5101
OHDK 10N5101

connector
OHDK 10P5101/S35A
OHDK 10N5101/S35A

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

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IP 67



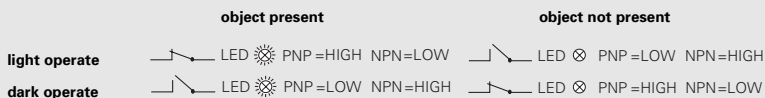
Series 10

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

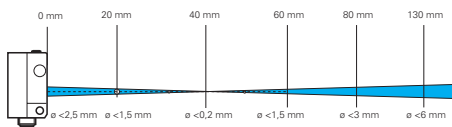
connection diagrams



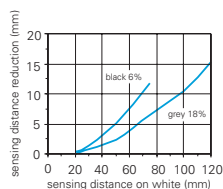
output state



beam diameter chart



sensing distance diagram



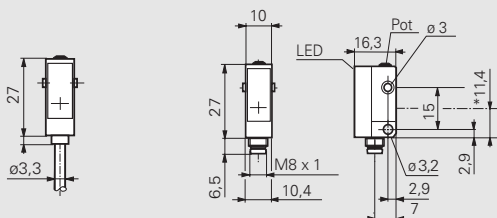
connectors

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

for details see accessories section



*emitter axis

Tw adjustable
up to 130 mm

Background
suppression

Visible red
light



IEC 825-1/1996
21CFR 1040.10