

Diffuse laser sensors Series 16

Foreground suppression

Tv 200 mm



PNP	light operate
	dark operate
	light/dark operate

technical data	
sensing distance adjustable Tv	25...200 mm
sensing range on Kodak white	25...min. 45 / 200...min. 500
beam focal point	80 mm
characteristics	-
repeatability (lateral approach)	< 0,1 mm at focal point
output indicator	yellow LED
power indicator	green LED
light source	pulsed red laser diode
wave length	675 nm
laser class	2
voltage supply range	10 - 30 VDC
max. supply current average value / peak value	65 mA / 80 mA
max. switching current	200 mA
voltage drop	≤ 1,8 VDC
response time / release time	≤ 0,6 ms
sensitivity adjustment	8 turn mechanical pot
short circuit protection	yes
reverse polarity protection	yes
temperature range	-10...+50 °C
housing material	die-cast zinc
protection class	IP 67

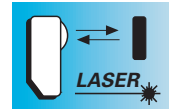
Options	alarm output dark	PNP
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cable	connector
ONDM 16P5101	ONDM 16P5101/S14

cable	connector
ONDM 16P3401	ONDM 16P3401/S14

cable	connector
ONDM 16P3401	ONDM 16P3401/S14

- High repeatability
- Laser spot < 0,1 mm
- Ideal for dull, frosted and shiny surfaces
- Sensing distance can be adjusted continuously
- Alignment aid / soiled lens indicator (LED)



Series 16

Tv adjustable up to 200 mm

Foreground suppression

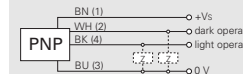
Visible red light

Metal housing

CAUTION
LASER RADIATION
DO NOT STARE INTO BEAM
LASERDIODE
Wavelength: 635 - 680 nm
Max. Output: 1 mW
Class 2 LASER Product

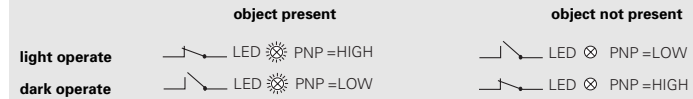
IEC 825-1/1996
21CFR 1040.10

connection diagram

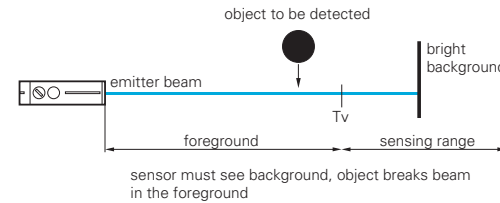


(*) alarm output where applicable

output state



working principle



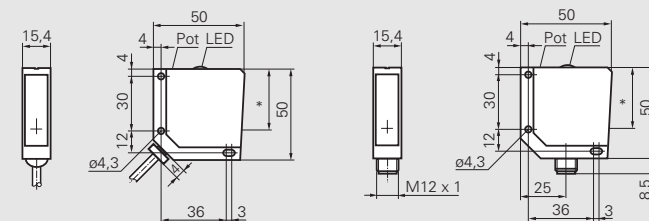
connectors

ES 14		
ES 24		
ESW 33AH0200	4 pin	2 m PUR halogen-free
ESG 34AH0200	4 pin	2 m PUR halogen-free

accessories

mounting bracket	113917
lens cleaning	
air nozzle bracket	116407

for details see accessories section



* emitter axis 34,5 mm



VYDAS INTERNATIONAL MARKETING
Swan House PBC Lynchborough Rd
Passfield Hampshire GU30 7SB UK

Tel: 44 (0)1428 751822 Fax: 44 (0)1428 751833
Email: info@vydas.co.uk Web: www.vydas.co.uk