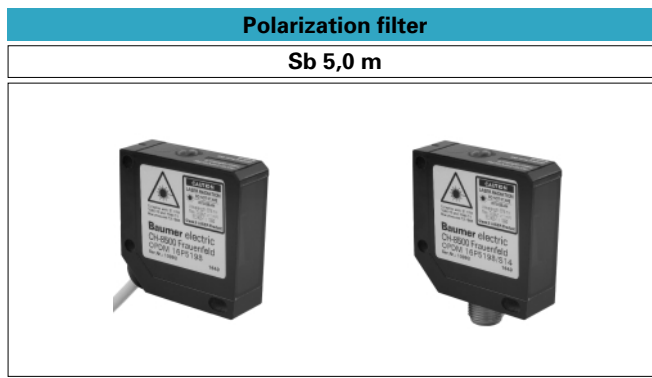


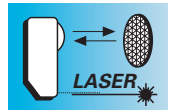
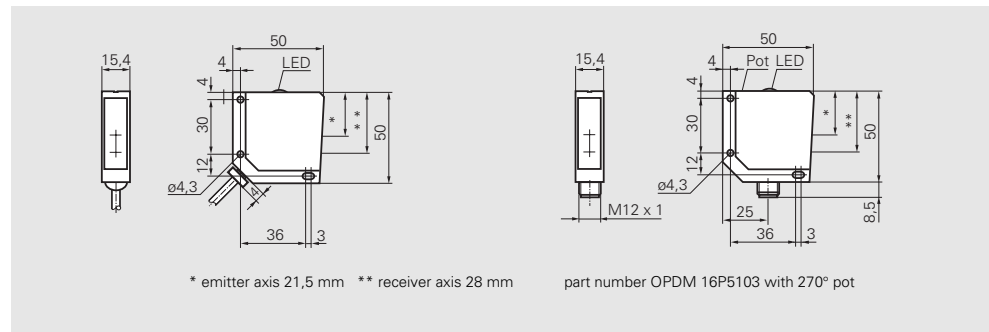
Retro-reflective laser sensors Series 16



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

cable		connector	
OPDM 16P5102	OPDM 16P5103	OPDM 16P5102/S14	OPDM 16P5103/S14

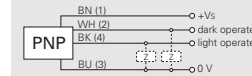
technical data	OPDM 16P5102	OPDM 16P5103
nominal range Sn	5,5 m	1,3 m
actual range Sb	5,0 m	1,0 m
beam focal point	400 mm	80 mm
repeatability (lateral approach)	< 1,5 mm at 0...0,5 m	< 0,1mm at laser focus
output indicator	yellow LED	yellow LED
alignment aid / soiled lens indicator	flashing yellow LED	flashing yellow LED
power indicator	green LED	green LED
light source	pulsed red laser diode	pulsed red laser diode
wave length	675 nm	675 nm
laser class (IEC 825-1/1996) for Europe	1	1
laser class (21CFR 1040.1) for USA	2	2
voltage supply range	10 - 30 VDC	10 - 30 VDC
max. supply current average value / peak value	60 mA / 70 mA	60 mA / 70 mA
max. switching current	200 mA	200 mA
voltage drop	≤ 1,8 VDC	≤ 1,8 VDC
response time / release time	≤ 0,1 ms	≤ 0,1 ms
sensitivity adjustment	-	pot 270°
short circuit protection	yes	yes
reverse polarity protection	yes	yes
temperature range	-10...+50 °C	-10...+50 °C
housing material	die-cast zinc	die-cast zinc
protection class	IP 67	IP 67



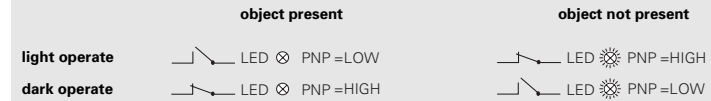
Series 16

- Laser beam for precise detection tasks
- Polarization filter to detect shiny objects
- Alignment aid / soiled lens indicator (LED)
- Sensitivity adjustable (OPDM 16P5103)
- Rugged metal housing

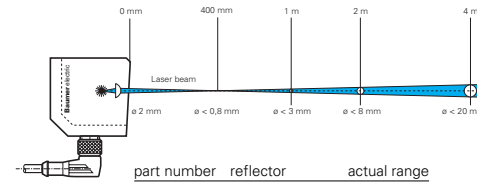
connection diagram



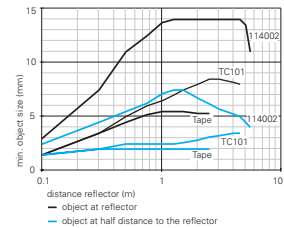
output state



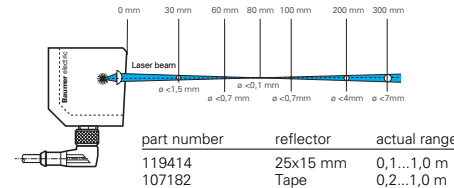
beam diameter chart OPDM 16P5102



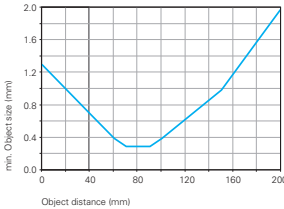
object size diagram



beam diameter chart OPDM 16P5103



object size diagram



connectors 4-pin

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

for details see accessories section

accessory

mounting bracket



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 Email:info@vydas.co.uk Web: www.vydas.co.uk

Sb 5,0 m

Polarization filter

Visible red light

Class 1 LASER Product

IEC 825-1/1996

