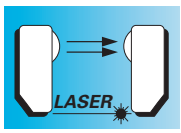
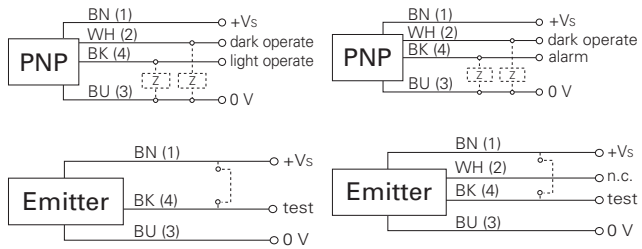


Sb = 8 m

- long range
- short response time

general data	
type	through beam laser sensor
actual range Sb	8 m
receiver	
nominal range Sn	10 m
alignment / soiled lens indicator	LED green
output indicator	LED yellow
sensitivity adjustment	Pot, 270°
emitter	
light source	pulsed red laser diode
repeatability	< 0,4 mm at laser focus
laser class	1
distance to laser focus	400 mm
wave length	675 nm
electrical data	
voltage supply range +Vs	10 ... 30 VDC
reverse polarity protection	yes
receiver	
response time / release time	< 0,1 ms
current consumption max.	30 mA
current consumption typ.	30 mA
voltage drop Vd	< 1,8 VDC
output circuit	PNP
output current	< 200 mA
short circuit protection	yes
emitter	
current consumption max.	75 mA
current consumption typ.	60 mA
mechanical data	
width / diameter	15,4 mm
height / length	50 mm
depth	50 mm
type	rectangular
housing material	die-cast zinc
front (optics)	glass
ambient conditions	
protection class	IP 67
receiver	
operating temperature	-25 ... +65 °C
emitter	
operating temperature	10 ... +50 °C

connection diagrams



connectors		
ESG 34AH0200	4 pin	2 m straight
ESW 33AH0200	4 pin	2 m angular
additional cable connectors and field wireable connectors, see accessories		

accessories	
SENSOFIX mounting kit	151721
mounting bracket emitter	119373
mounting bracket receiver	113917
lens cleaning air nozzle bracket	116407
for details, see accessories section	

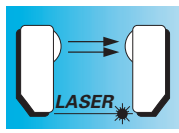
laser warning

CLASS 1 LASER PRODUCT

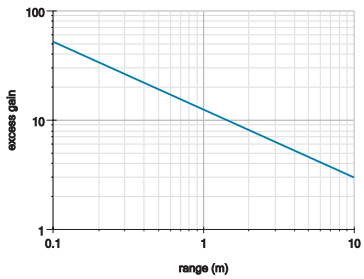
Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated July 26.2001

Complies with EN60825-1:2001

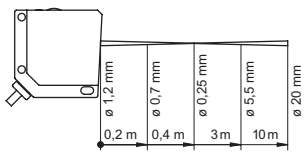
order reference	emitter / receiver	connection types	output function
OEDM 16P3401	receiver	cable 4 pin	alarm output dark
OEDM 16P3401/S14	receiver	connector M12, 4 pin	alarm output dark
OEDM 16P5101	receiver	cable 4 pin	light / dark operate
OEDM 16P5101/S14	receiver	connector M12, 4 pin	light / dark operate
OSDM 16D9601	emitter	cable 3 pin	-
OSDM 16D9601/S14	emitter	connector M12, 4 pin	-



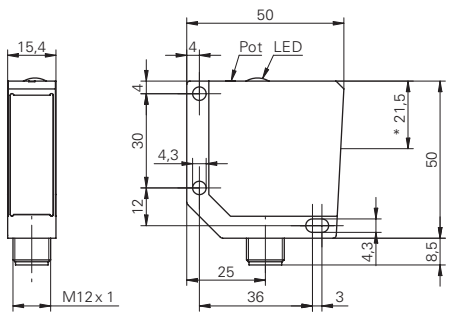
excess gain curve



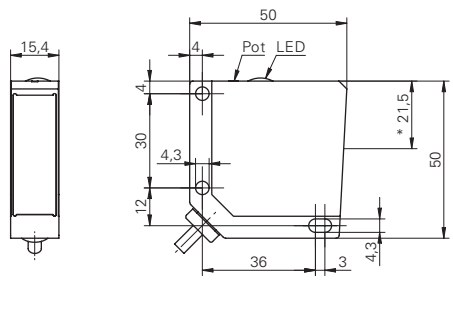
beam characteristic



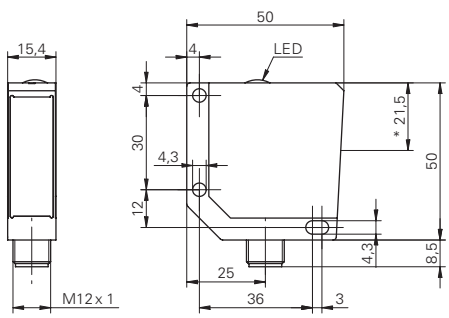
dimension drawings



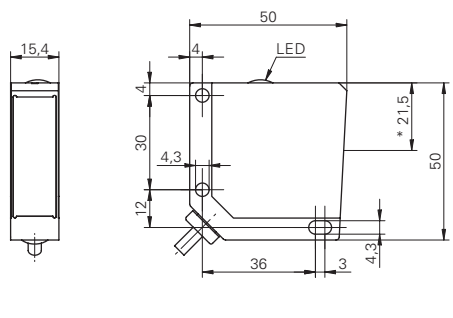
* receiver axis



* receiver axis



* emitter axis



* emitter axis