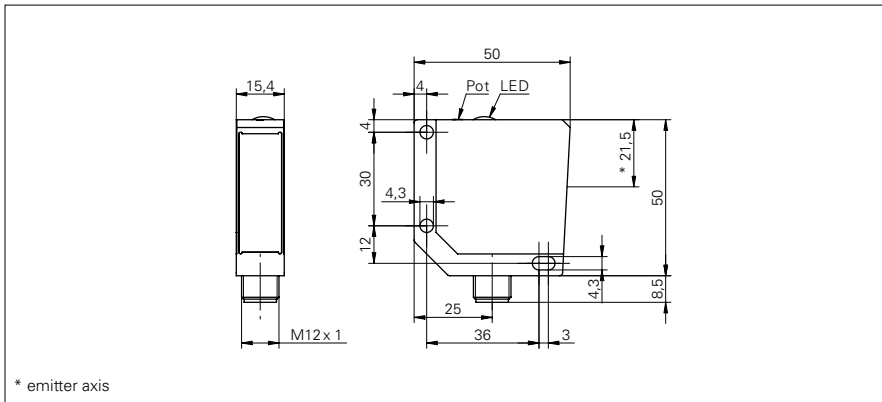


**Retro-reflective sensors**

**OPDM 16P5103/S14**

**dimension drawing**



**general data**

type	retro-reflective laser sensor
light source	pulsed red laser diode
actual range Sb	7,5 m
nominal range Sn	8,3 m
repeat accuracy	< 0,1 mm at laser focus
polarization filter	yes
alignment / soiled lens indicator	flashing light indicator
light indicator	LED yellow
sensitivity adjustment	potentiometer, 270°
laser class	1
distance to focus	80 mm
wave length	650 nm

**electrical data**

response time / release time	< 0,1 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	70 mA
current consumption typ.	60 mA
voltage drop Vd	< 2 VDC
output function	light / dark operate
output circuit	PNP
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes

**mechanical data**

width / diameter	15,4 mm
height / length	50 mm
depth	50 mm
type	rectangular
housing material	die-cast zinc
front (optics)	glass
connection types	connector M12 4 pin

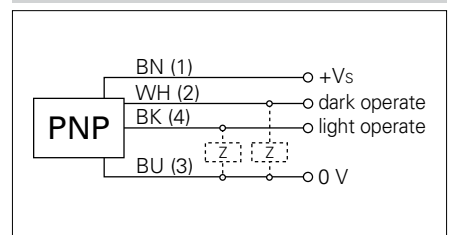
**ambient conditions**

operating temperature	-10 ... +50 °C
protection class	IP 67

**photo**



**connection diagram**



**laser warning**

