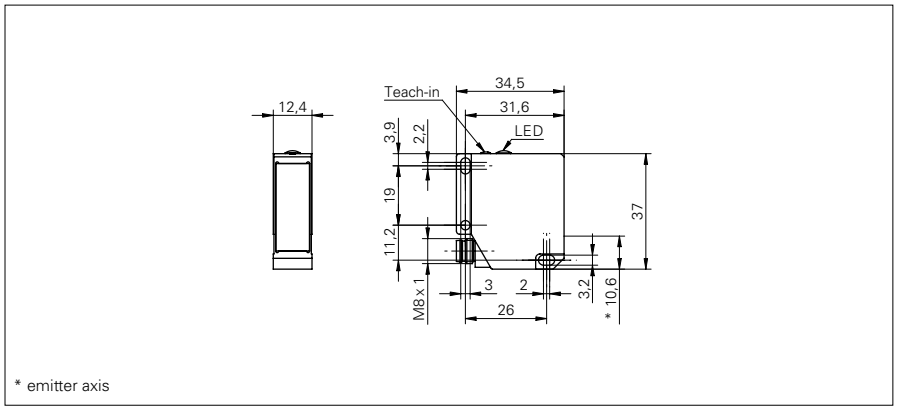
Diffuse sensors with background suppression

OHDM 12P6901/S35A

dimension drawing



* emitter axis

general data

type	background suppression
light source	pulsed red laser diode
sensing distance Tw	17 ... 120 mm
sensing range Tb (at Tw max.)	16 ... 120 mm
sensing range Tb (at Tw min.)	16 ... 17 mm
power on indication	LED green
light indicator	LED red
sensing distance adjustment	Teach-in
laser class	2
wave length	675 nm
beam diameter	0,9 ... 0,5 mm

electrical data

response time	< 1 ms
release time	< 2,7 ms
voltage supply range +Vs	12 ... 28 VDC
current consumption max. (no load)	80 mA
current consumption typ.	40 mA
voltage drop Vd	< 2,8 VDC
output function	light / dark operate
output circuit	PNP
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

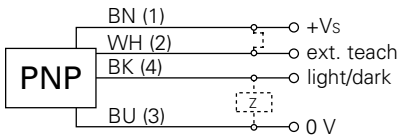
mechanical data

width / diameter	12,4 mm
height / length	37 mm
depth	34,5 mm
type	rectangular
housing material	die-cast zinc
front (optics)	glass
connection types	connector M8 4 pin

photo



connection diagram



laser warning



Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to laser notice No. 50, dated June 24, 2007

Diffuse sensors with background suppression

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ambient conditions	
operating temperature	0 ... +50 °C
protection class	IP 67