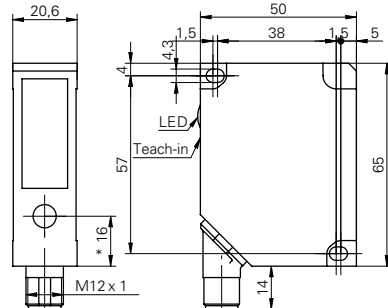


Diffuse sensors with background suppression

OHDM 20P6990/S14C

dimension drawing



* emitter axis

general data

type	background suppression
light source	pulsed red laser diode
sensing distance T_w	210 ... 1500 mm
sensing range T_b (at T_w max.)	200 ... 1500 mm
sensing range T_b (at T_w min.)	200 ... 210 mm
power on indication	LED green
light indicator	LED red
sensing distance adjustment	Teach-in
laser class	2
wave length	650 nm
beam diameter	2 mm

electrical data

response time	< 6 ms
release time	< 18 ms
voltage supply range +Vs	12 ... 28 VDC
current consumption max. (no load)	100 mA
voltage drop V_d	< 5 VDC
output function	light / dark operate
output circuit	PNP
output current	< 20 mA
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

mechanical data

width / diameter	20,6 mm
height / length	65 mm
depth	50 mm
type	rectangular
housing material	die-cast zinc
front (optics)	glass
connection types	connector M12 5 pin

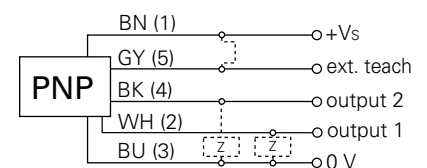
ambient conditions

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

photo



connection diagram



laser warning



LASER RADIATION
DO NOT STARE INTO BEAM
Wavelength: 620...680nm
Max. av. Output: < 1mW
IEC 60825-1, Ed. 2, 2007
CLASS 2 LASER PRODUCT

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

