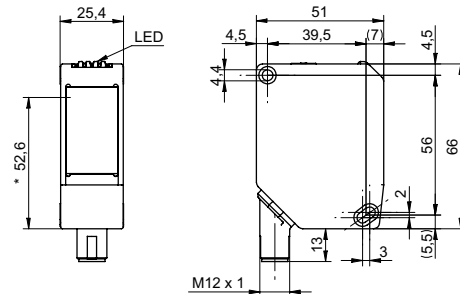


Distance sensors

OADM 260I1101/S14C

dimension drawing



* emitter axis

general data

measuring distance Sd	200 ... 13000 mm
measuring distance Sd (white 90%)	200 ... 13000 mm
measuring distance Sd (grey 18%)	200 ... 9000 mm
measuring distance Sd (black 6%)	200 ... 4000 mm
adjustment	Teach-in: button / external
Teach-in range min.	> 100 mm
power on indication	LED green
soiled lens indicator	LED red
resolution	5 mm
linearity	± 15 mm
repeatability	± 15 mm (with 40 kLux ambient light)
light source	pulsed red laser diode
wave length	660 nm
laser class	2
beam type	point
beam diameter	5 ... 50 mm

electrical data

measuring rate	10 ms
voltage supply range +Vs	15 ... 28 VDC
current consumption max. (no load)	250 mA (typ. 110 mA @ 24V)
output circuit	analog
output signal	4 ... 20 mA
load resistance (analog I)	< (+Vs - 6 V) / 0,02 A
output current	< 100 mA
alarm output	push-pull
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

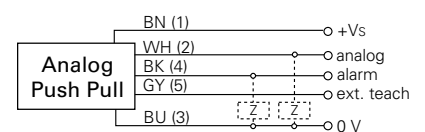
mechanical data

width / diameter	25,4 mm
height / length	66 mm
depth	51 mm
type	rectangular
housing material	aluminum
front (optics)	glass
connection types	connector M12 5 pin, rotatable

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



Distance sensors**OADM 260I1101/S14C****ambient conditions**

ambient light immunity	< 40 kLux
operating temperature	-25 ... +50 °C
protection class	IP 67
typ. temp. coefficient	0,4 mm /°C