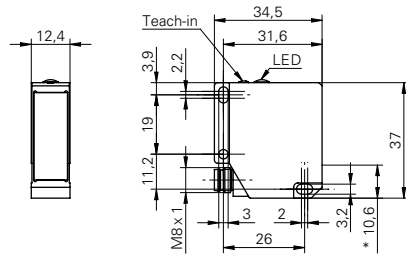


Distance sensors

OADM 12I6460/S35A

dimension drawing



* emitter axis

general data

measuring distance Sd	16 ... 120 mm
adjustment	Teach-in: button / external
Teach-in range min.	> 2 mm
power on indication	LED green
soiled lens indicator	LED red
resolution	0,002 ... 0,12 mm
linearity error	± 0,015 ... ± 0,35 mm
light source	pulsed red laser diode
wave length	650 nm
laser class	2
beam type	point
beam diameter	0,9 ... 0,5 mm
interference suppression	< 30 ms
temperature drift	< 0,06 % Sde/K

electrical data

response time / release time	< 0,9 ms
voltage supply range +Vs	12 ... 28 VDC
current consumption max. (no load)	100 mA
output circuit	analog
output signal	4 ... 20 mA
load resistance	< (+Vs - 6 V) / 0,02 A
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

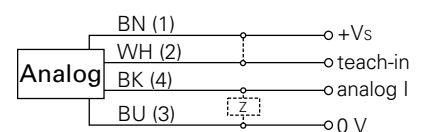
mechanical data

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



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 12I6460/S35A**

ambient conditions	
ambient light immunity	< 30 kLux
operating temperature	0 ... +50 °C
protection class	IP 67