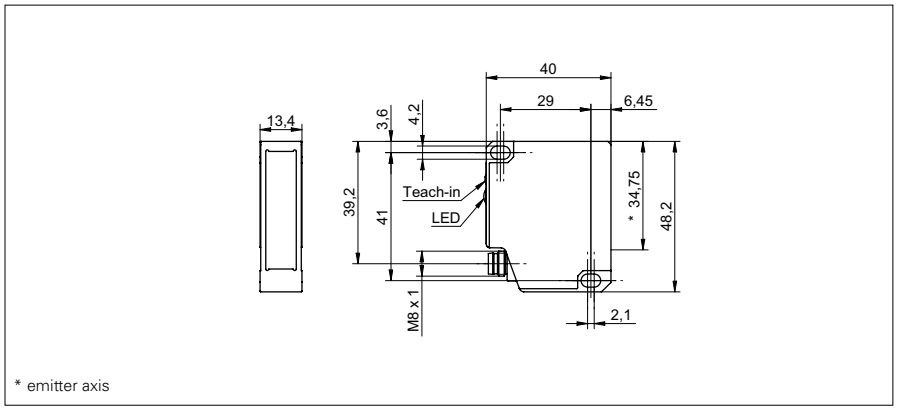
Distance sensors

OADM 13I7480/S35A

dimension drawing



* emitter axis

general data	
measuring distance Sd	50 ... 550 mm
adjustment	Teach-in: button / external
Teach-in range min.	> 10 mm
power on indication	LED green
soiled lens indicator	LED red
resolution	0,01 ... 1,15 mm
linearity error	± 0,08 ... ± 3,5 mm
light source	pulsed red laser diode
wave length	650 nm
laser class	2
beam type	point
beam diameter	1 mm
interference suppression	< 30 ms
temperature drift	< 0,07 % Sde/K

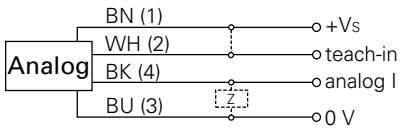
electrical data	
response time / release time	< 2 ms
voltage supply range +Vs	12 ... 28 VDC
current consumption max. (no load)	100 mA
output circuit	analog
output signal	4 ... 20 mA
load resistance	< (+Vs - 6 V) / 0,02 A
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

mechanical data	
width / diameter	13,4 mm
height / length	48,2 mm
depth	40 mm
type	rectangular
housing material	aluminum
front (optics)	glass
connection types	connector M8 4 pin

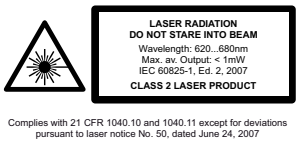
photo



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

Distance sensors

OADM 13I7480/S35A

ambient conditions	
ambient light immunity	< 40 kLux
operating temperature	0 ... +50 °C
protection class	IP 67