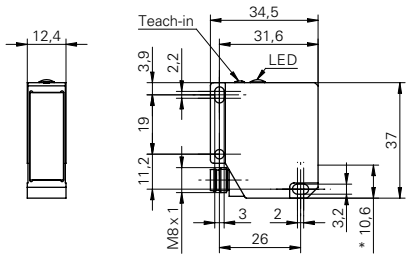
Distance sensors

OADM 12U6430/S35A

dimension drawing



* emitter axis

general data

measuring distance Sd	16 ... 26 mm
adjustment	Teach-in: button / external
Teach-in range min.	> 1 mm
power on indication	LED green
soiled lens indicator	LED red
resolution	0,002 ... 0,005 mm
linearity error	± 0,006 ... ± 0,015 mm
light source	pulsed red laser diode
wave length	650 nm
laser class	2
beam type	point
beam diameter	0,5 ... 0,2 mm
interference suppression	< 30 ms
temperature drift	< 0,04 % 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	0 ... 10 VDC
load resistance	> 100 kOhm
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

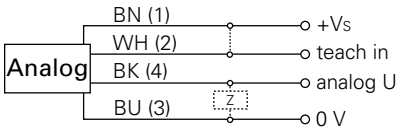
mechanical data

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

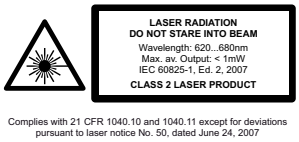
photo



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

Distance sensors

OADM 12U6430/S35A

ambient conditions	
ambient light immunity	< 100 kLux
operating temperature	0 ... +50 °C
protection class	IP 67