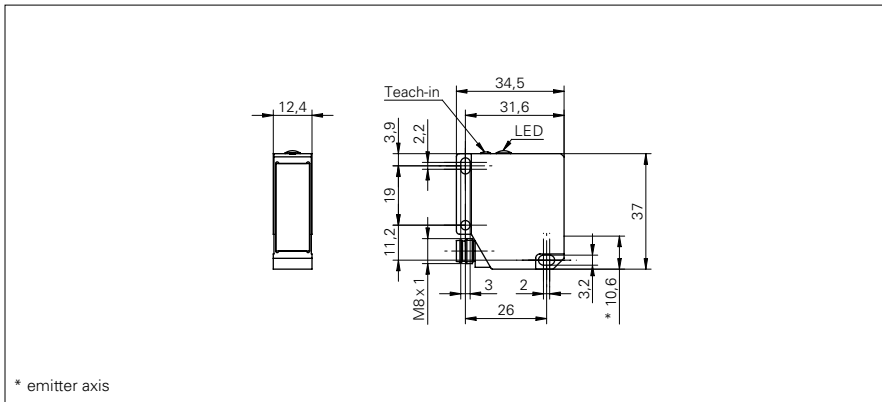


**Distance sensors**

**OADM 12U7430/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	± 0,013 ... ± 0,025 mm
light source	pulsed red laser diode
wave length	650 nm
laser class	1
beam type	point
beam diameter	0,5 ... 0,2 mm
interference suppression	< 30 ms
temperature drift	< 0,04 % Sde/K

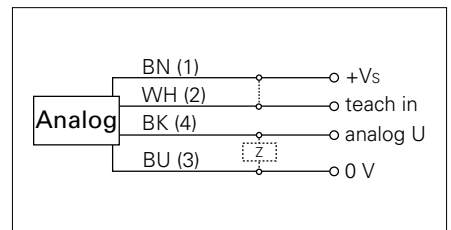
**photo**



**electrical data**

response time / release time	2 ... 3 ms
voltage supply range +Vs	12 ... 28 VDC
current consumption max. (no load)	80 mA
output circuit	analog
output signal	0 ... 10 VDC
load resistance	> 100 kOhm
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

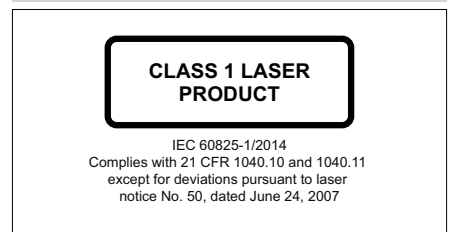
**connection diagram**



**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

**laser warning**



**Distance sensors****OADM 12U7430/S35A****ambient conditions**

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