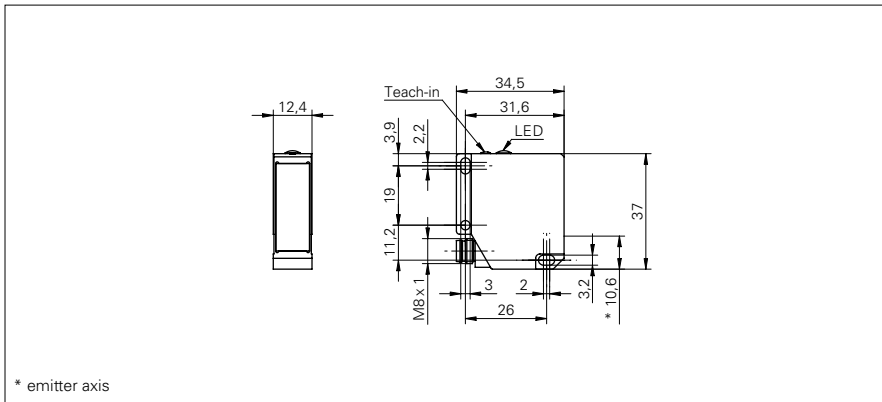


Distance sensors

OADM 12I7460/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	1
beam type	point
beam diameter	0,9 ... 0,5 mm
interference suppression	< 30 ms
temperature drift	< 0,06 % Sde/K

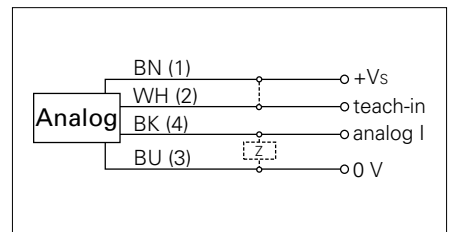
photo



electrical data

response time / release time	2 ... 3 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

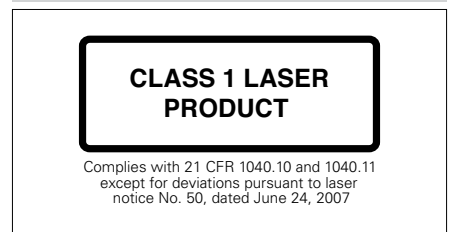
connection diagram



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 12I7460/S35A****ambient conditions**

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