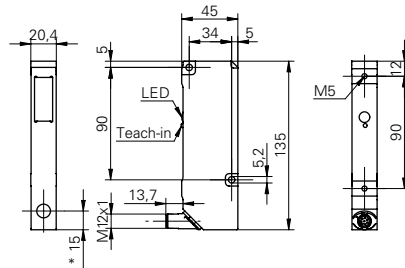


Distance sensors

OADM 21 (Laser)

sample drawing



* emitter axis

general data

sensing element	photoelectric array
measuring distance Sd	200 ... 1000 mm
adjustment	Teach-in: button / external
Teach-in range min.	> 10 mm
power on indication	LED green
soiled lens indicator	LED red / LED red blinking
resolution	0,02 ... 0,5 mm
linearity error	$\pm 0,08 \dots \pm 2$ mm
light source	pulsed red laser diode
wave length	675 nm
laser class	2

electrical data

response time / release time	< 10 ms
voltage supply range +Vs	12 ... 28 VDC
current consumption max.	120 mA
output circuit	analog
output signal	4 ... 20 mA / 0 ... 10 VDC
load resistance (analog I)	< $(+Vs - 6 V) / 0,02 A$
load resistance (analog U)	> 100 kOhm
output current	< 100 mA
alarm output	PNP
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

mechanical data

width / diameter	20,4 mm
height / length	135 mm
depth	45 mm
housing material	aluminum
front (optics)	glass
connection types	connector M12, 8 pin, rotatable

ambient conditions

operating temperature	0 ... +50 °C
protection class	IP 67

sample picture



Distance sensors**OADM 21 (Laser)**

order reference	beam type	beam width	beam height	beam diameter
OADM 21I6481/S14F	point	-	-	2 mm
OADM 21I6581/S14F	line	2,5 mm	6 ... 20 mm	-