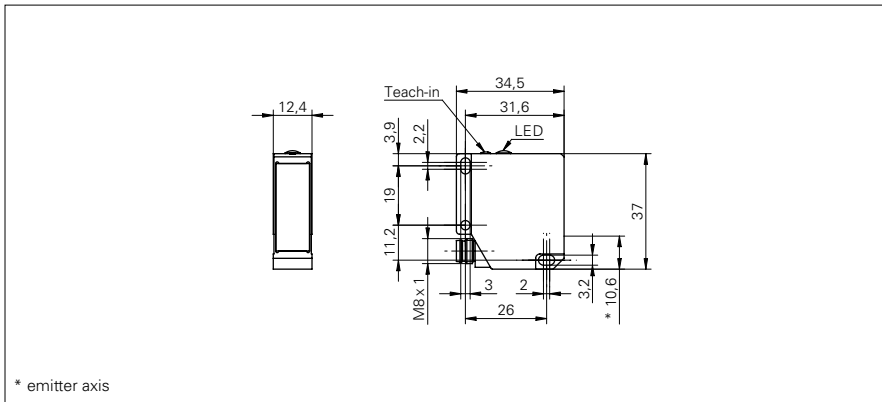


## Difference sensors

## OBDM 12 (min./max. analysis)

## sample drawing



## general data

type	min./max. analysis
sensing distance $T_w$	16 ... 120 mm
Teach-in range min.	> 0,3 mm
adjustment	Teach-in
power on indication	LED green
output indicator	LED red
light source	pulsed red laser diode
laser class	2
wave length	650 nm
beam diameter	0,5 ... 0,2

## electrical data

response time	< 1 ms
voltage supply range +Vs	12 ... 28 VDC
current consumption max.	80 mA
current consumption typ.	40 mA
output current	< 100 mA
voltage drop $V_d$	< 2,8 VDC
reverse polarity protection	yes, Vs to GND
short circuit protection	yes

## mechanical data

width / diameter	12,4 mm
height / length	37 mm
depth	34,5 mm
type	rectangular
front (optics)	glass
housing material	die-cast zinc
connection types	connector M8 4 pin

## ambient conditions

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

## order reference

OBDM 12N6920/S35A
OBDM 12P6920/S35A

## output circuit

NPN
PNP

## sample picture



## laser warning

