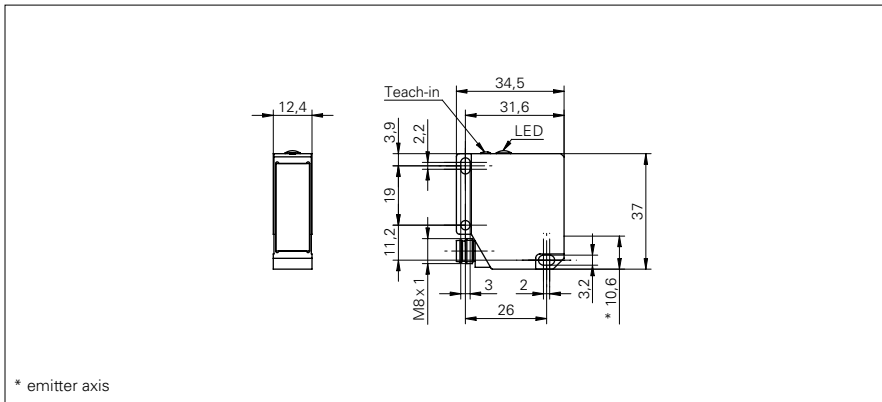


**Difference sensors**

**OBDM 12N6940/S35A**

**dimension drawing**



**general data**

type	window analysis
sensing distance $T_w$	16 ... 120 mm
Teach-in range min.	> 0,4 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 mm

**electrical data**

response time	< 1 ms
voltage supply range +Vs	12 ... 28 VDC
current consumption max. (no load)	80 mA
current consumption typ.	40 mA
output circuit	NPN
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

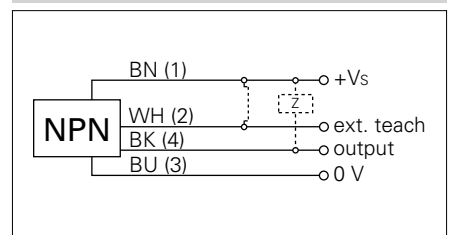
**ambient conditions**

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

**photo**



**connection diagram**



**laser warning**

