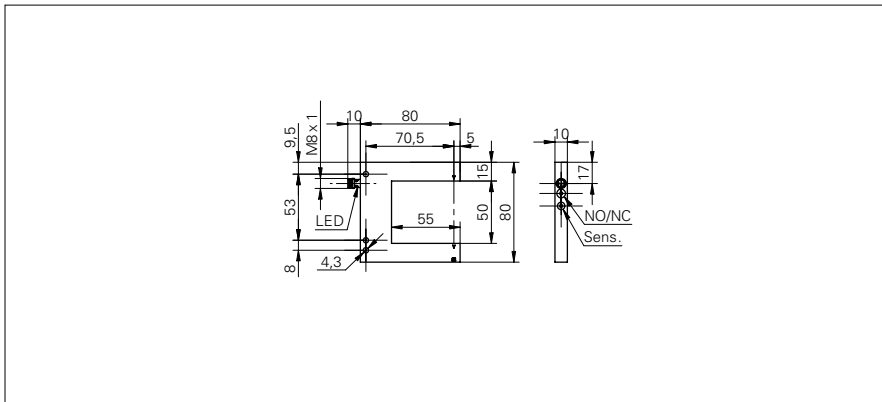


**Fork and angle sensors**

**OGUM (Laser)**

**sample drawing**



**general data**

type	through beam sensor
object size	> 0,05 mm
repeat accuracy	< 0,01 mm
hysteresis	< 0,02 mm
ambient light immunity	< 100 kLux
sensitivity adjustment	potentiometer, 270°
light source	pulsed red laser diode
wave length	670 nm
laser class	1
light indicator	LED yellow

**electrical data**

response time / release time	< 0,166 ms
switching frequency	< 3 kHz
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	30 mA
output function	light / dark operate switchable
output circuit	PNP
voltage drop Vd	< 2,8 VDC
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes

**mechanical data**

type	U profile
housing material	aluminum anodized
connection types	connector M8, 3 pin

**ambient conditions**

operating temperature	5 ... +45 °C
protection class	IP 67

order reference	fork width Sb	penetration depth	width / diameter	height / length	depth
<b>OGUM 030P8001/S35L</b>	30 mm	35 mm	60 mm	60 mm	10 mm
<b>OGUM 050P8001/S35L</b>	50 mm	55 mm	80 mm	80 mm	10 mm
<b>OGUM 080P8001/S35L</b>	80 mm	55 mm	110 mm	80 mm	10 mm
<b>OGUM 120P8001/S35L</b>	120 mm	60 mm	150 mm	90 mm	12 mm

**sample picture**



**laser warning**

**CLASS 1 LASER PRODUCT**

IEC 60825-1/2014  
Complies with 21 CFR 1040.10 and 1040.11  
except for deviations pursuant to laser  
notice No. 50, dated June 24, 2007