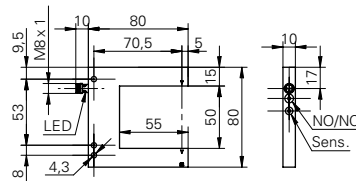


Fork and angle sensors

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	2
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.	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

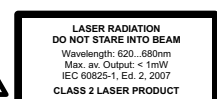
ambient conditions

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

sample picture



laser warning



Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to laser notice No. 50, dated June 24, 2007

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