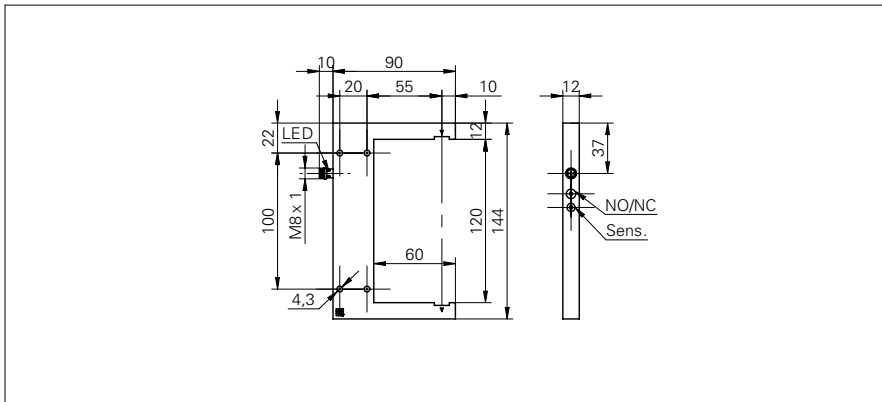


Fork and angle sensors

OGUM 120P8002/S35L

dimension drawing



general data

type	through beam sensor
object size	> 0,2 mm
repeat accuracy	< 0,02 mm
hysteresis	< 0,05 mm
ambient light immunity	< 5 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

width / diameter	144 mm
fork width Sb	120 mm
height / length	90 mm
penetration depth	60 mm
depth	12 mm
type	U profile
housing material	die-cast zinc
connection types	connector M8, 3 pin

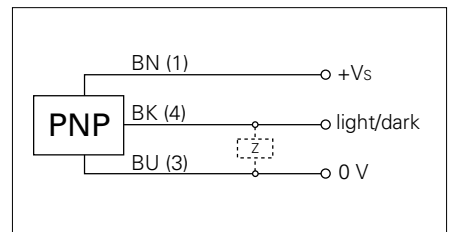
ambient conditions

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

photo



connection diagram



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



• accessories: PNP/NPN - converter