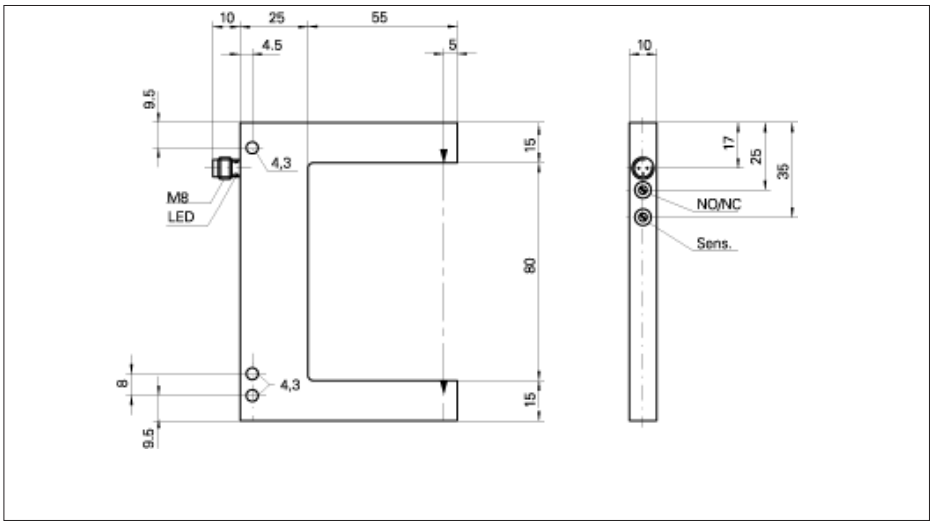
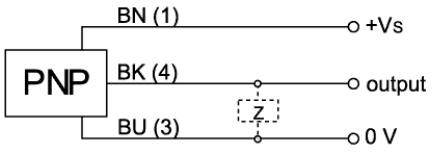
Laser fork sensor, U profile

OGUM 080P8001/S35L



Technical Data	
function	through beam sensor
Fork opening	80 mm
scan depth	55 mm
repeatability	0,01 mm
smallest recognizable object	0,05 mm
switching hysteresis	< 0,02 mm
response time / release time	< 0,166 ms
output	PNP
output state	light/dark operate switchable
switching current	< 200 mA
short circuit protection	yes
voltage drop	< 2,8 VDC
output indicator	LED yellow
voltage supply range +Vs	10 - 30 VDC
reverse polarity protection	yes
supply current average/peak value	30 / 30 mA
light source	pulsed red laser diode
wave length	670 nm
laser class (norm)	2
sensitivity adjustable	yes
Ambient light immunity	100 kLux
housing material	aluminum anodized
housing style	U profile
width /diameter	110 mm
height	80 mm
depth	10 mm
temperature range	+5 ... +45 °C
protection class	IP 67
connection	connector
connectors	ES 8.2P, ES 9.2P, ESW 31S, ESG32S

connection diagram