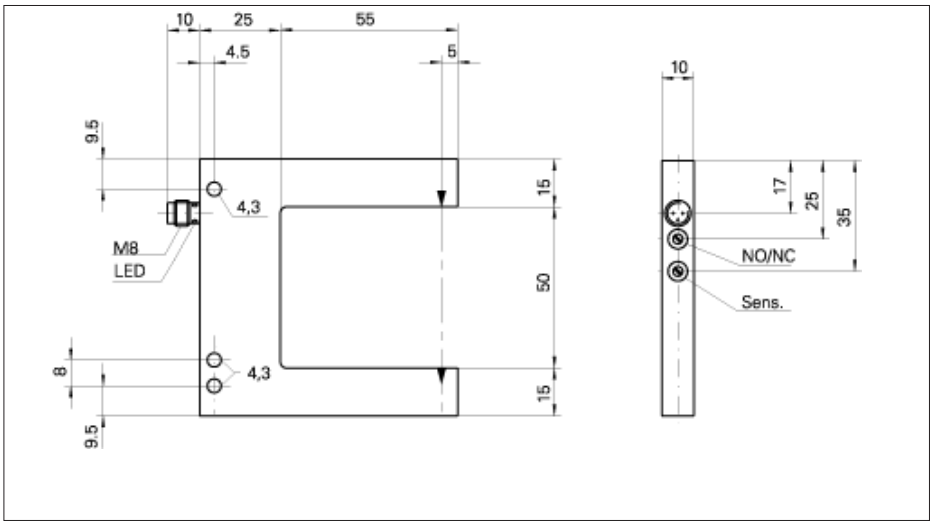
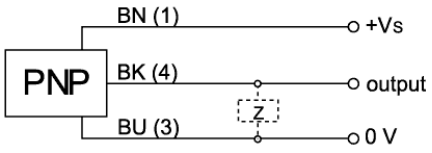
# Laser fork sensor, U profile

# OGUM 050P8001/S35L




| Technical Data | |
|---|---|
| function | through beam sensor |
| Fork opening | 50 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 | 80 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**