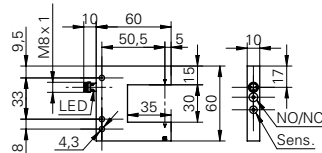


Fork and angle sensors

OGUM 030P8001/S35L

dimension 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 |

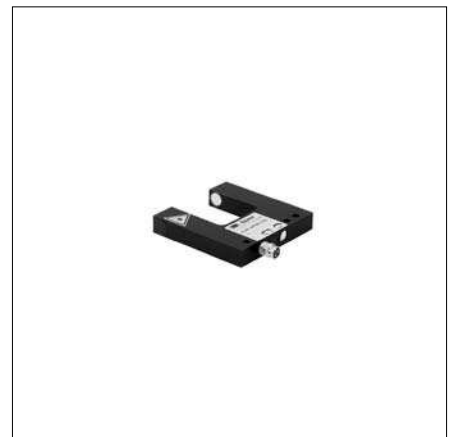
mechanical data

| | |
|-------------------|---------------------|
| width / diameter | 60 mm |
| fork width Sb | 30 mm |
| height / length | 60 mm |
| penetration depth | 35 mm |
| depth | 10 mm |
| type | U profile |
| housing material | aluminum anodized |
| connection types | connector M8, 3 pin |

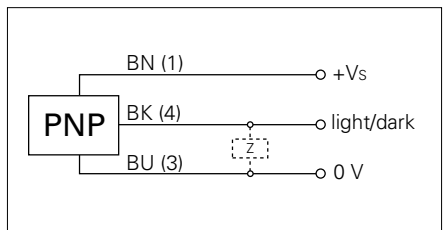
ambient conditions

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

photo



connection diagram



laser warning

**CLASS 1 LASER
PRODUCT**

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