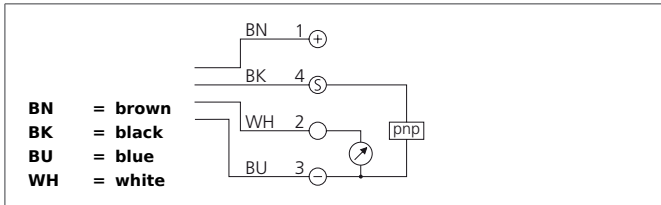


OGU 050/20 IP3K-IBS

Fork Light Barrier, analog

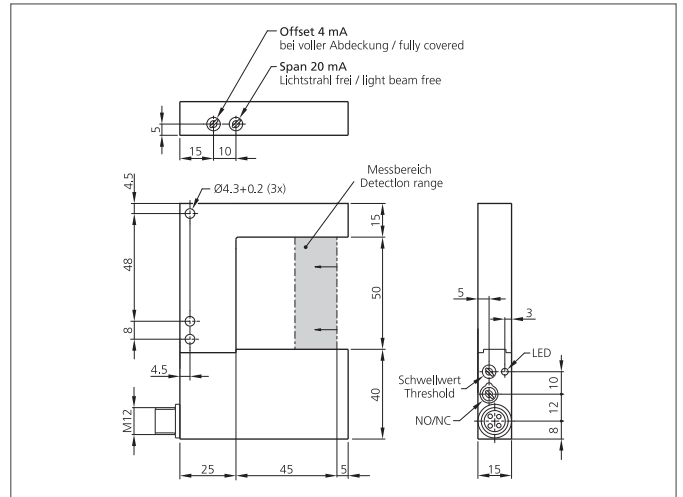


- Analog output
- IR-light
- Metal casing
- LED integrated in housing



Safety instructions

The Instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments.
 These instruments shall exclusively be used by qualified personnel.



| TECHNICAL INFORMATION (typ.) | +20°C, 24V DC |
|--------------------------------|---|
| Operating principle | Optical |
| Evaluation | analog |
| Size | 105 x 75 x 15 mm (Dimensions) |
| Design | fork |
| Fork opening | 50 mm |
| Branch length inside | 50 mm |
| Emitted light | Infrared, clocked |
| Service voltage | 15 ... 35 V DC (Supply Class 2) |
| No-load current | < 80 mA |
| Detection range | 20 mm |
| Resolution | Ø 0,5 mm |
| Sensitivity adjustment | potentiometer |
| Switching output | pnp, 200 mA, NO/NC, switchable |
| Switching hysteresis | < 10 % |
| Analog output | 4 ... 20 mA |
| Voltage drop | < 2,8 V |
| Switching frequency | 2000 Hz, (depending on the threshold value set) |
| Reproducibility | 0,05 mm |
| Linearity error | 5% |
| Ambient temperature, operation | +5 ... +50 °C |
| Ambient light immunity | 10 kLx |
| Insulation voltage endurance | 500 V |
| Protection class | IP 67 |

OGU 050/20 IP3K-IBS

Fork Light Barrier, analog



| TECHNICAL INFORMATION (typ.) | +20°C, 24V DC |
|-------------------------------------|--|
| Protection degree | III, operation on protective low voltage |
| Casing material | Aluminium black anodized |
| Connection | Connector, M12, 4-poled |
| Note | For a proper function we recommend to use shielded connecting cables, the shielding has to be connected to PE. |