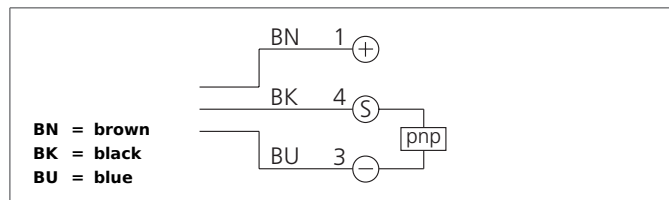


LGL 081 P3K-TSSL

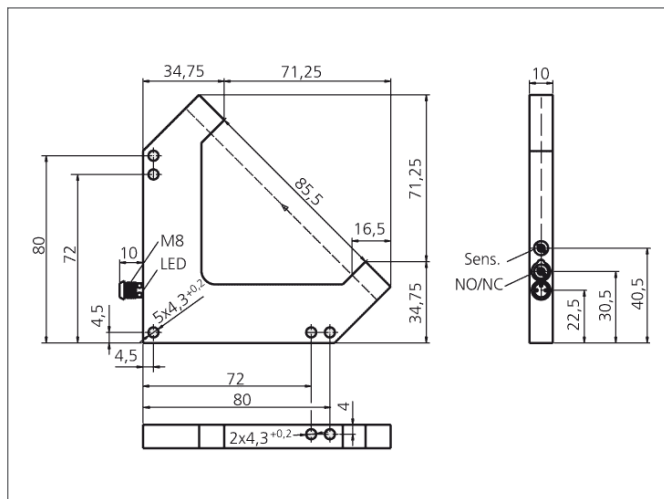
Laser Angled Light Barrier

- Very high resolution
- Mountable side by side
- Optical axis approachable in x-, y- and z-direction
- Visible laser spot
- High operating frequency
- Light/dark switching
- Laser class 1
- Bright ring LED



Safety instructions

Inproper use may result in hazardous radiation exposure. Pay attention to accident prevention rules and laser class. 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. Repair only by di-soric.



| TECHNICAL INFORMATION | | +20°C, 24V DC |
|------------------------------|----------------------------------|---------------|
| Design | Angle | |
| Branch length | 80 mm | |
| Emitted light | Red light laser, 670 nm, clocked | |
| Service voltage | 10 ... 35 V DC | |
| Transmitter / receiver | transmitter + receiver | |
| Laser class | 1 (IEC 60825-1) | |
| Output | pnp, 200 mA, NO/NC, switchable | |
| Sensitivity adjustment | potentiometer | |
| Internal power consumption | < 30 mA | |
| Operating frequency | 3.000 Hz | |
| Resolution | 50 µm | |
| Switching hysteresis | < 20 µm | |
| Reproducibility | 10 µm | |
| Laser power | < 100 µW | |
| Ambient temperature | +5 ... +45 °C | |
| Ambient light immunity | > 100 kLx | |
| Insulation voltage endurance | 250 V | |
| Protection class | IP 67 | |
| Casing material | Aluminium black anodized | |
| Connection | Connector, M8, 3-poled | |
| Signal input | < 2,8 V | |