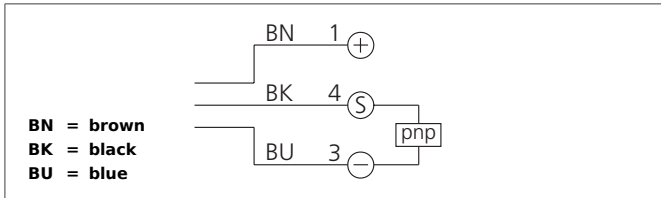


LGU 051 P3K-TSSL

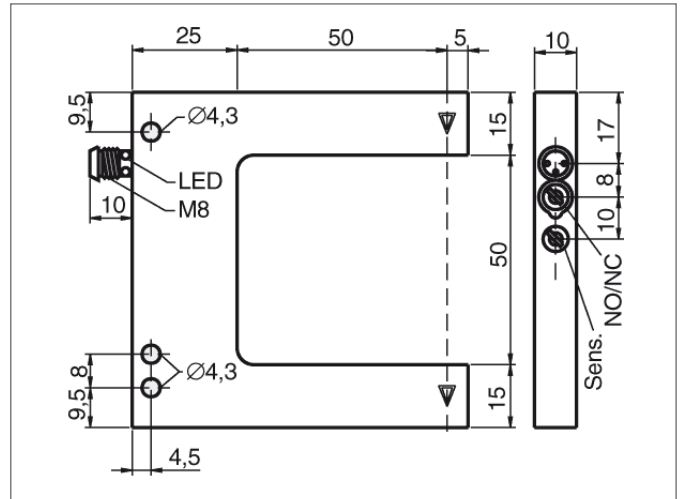
Laser Fork Light Barrier

- Extremely high resolution
- Reproducibility 0,01 mm
- Mountable side by side
- Visible laser spot
- High operating frequency
- Light / dark switching
- Metal casing
- Laser class 1
- High protection class
- Extremely 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
Evaluation		digital
Size		80 x 80 x 10 mm (Dimensions)
Design		fork
Fork opening		50 mm
Emitted light		Red light laser, 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		Ø 0,05 mm
Switching hysteresis		< 0,02 mm
Reproducibility		0,01 mm
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