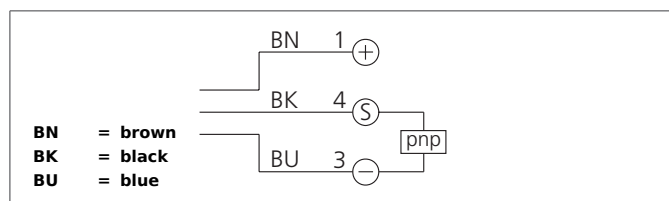


LGL 051 P3K-TSSL

Laser Angled Light Barrier

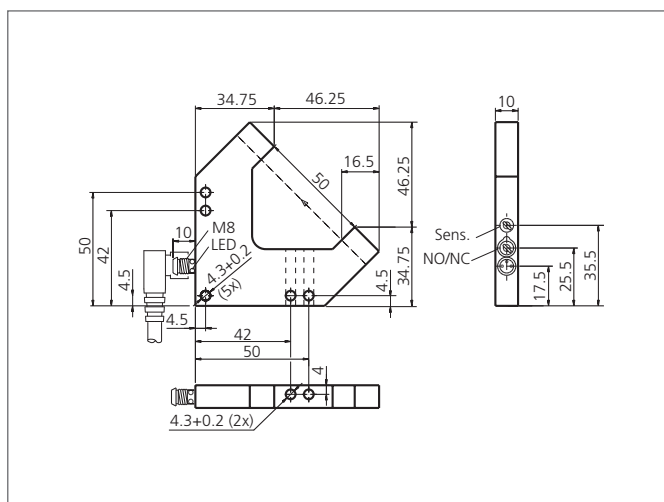


- Very high resolution
- Mountable side by side
- Optical axis approachable in x-, y- and z-direction
- Visible laser spot
- High operating frequency
- Light/dark switching
- Laser class 1
- Bright ring LED
- 5-year warranty



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.



TECHNICAL INFORMATION (typ.)	
Operating principle	+20°C, 24V DC
Evaluation	Optical
Size	digital
Design	81 x 81 x 10 mm (Dimensions)
Branch length	Angle
Emitted light	50/50 mm
Laser class	Red light laser, 650 nm, clocked
Service voltage	1 (IEC 60825-1)
Internal power consumption	10 ... 35 V DC (Supply Class 2)
Operating distance	< 30 mA
Resolution	50 mm (optical axis)
Sensitivity adjustment	50 µm
Switching output	potentiometer
Switching hysteresis	pnp, 200 mA, NO/NC, switchable
Voltage drop	< 20 µm
Switching frequency	< 2,8 V
Reproducibility	3.000 Hz
Laser power	10 µm
Ambient temperature	< 100 µW
Ambient light immunity	+5 ... +45 °C
Insulation voltage endurance	100 kLx
Protection class	250 V
Protection degree	IP 67
	III, operation on protective low voltage

LGL 051 P3K-TSSL

Laser Angled Light Barrier



TECHNICAL INFORMATION (typ.)	
Casing material	Aluminium black anodized
Connection	Connector, M8, 3-poled
Connecting cable	TK ...