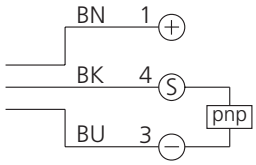
LGUP 051 P3K-TSSL
Laser Fork Light Barrier

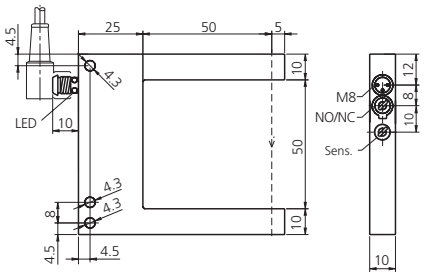
- Resolution 0,1 mm
- Visible laser spot
- High operating frequency
- Light / dark switching
- Metal casing
- Laser class 1
- High protection class
- Extremely bright ring LED
- 5-year warranty



BN = **brown**
BK = **black**
BU = **blue**

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.)	+20°C, 24V DC
Operating principle	Optical
Evaluation	digital
Size	70 x 80 x 10 mm (Dimensions)
Design	fork
Fork opening	50 mm
Branch length	55 mm
Emitted light	Red light laser, clocked
Laser class	1 (IEC 60825-1)
Service voltage	10 ... 35 V DC (Supply Class 2)
Internal power consumption	< 30 mA
Resolution	Ø 0,1 mm
Sensitivity adjustment	potentiometer
Switching output	pnp, 200 mA, NO/NC, switchable
Switching hysteresis	< 0,05 mm
Voltage drop	< 2,8 V
Switching frequency	3.000 Hz
Reproducibility	0,02 mm
Laser power	< 100 µW
Ambient temperature	0 ... +50 °C
Ambient light immunity	5 kLx
Insulation voltage endurance	500 V
Protection class	IP 67
Protection degree	III, operation on protective low voltage

TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
Casing material	Die-cast zinc black lacquered finish
Connection	Connector, M8, 3-poled
Connecting cable	TK ...