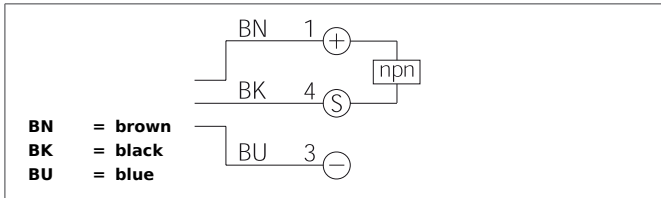


# ODG 50 N3K-TSSL

## Differential Fork Light Barrier

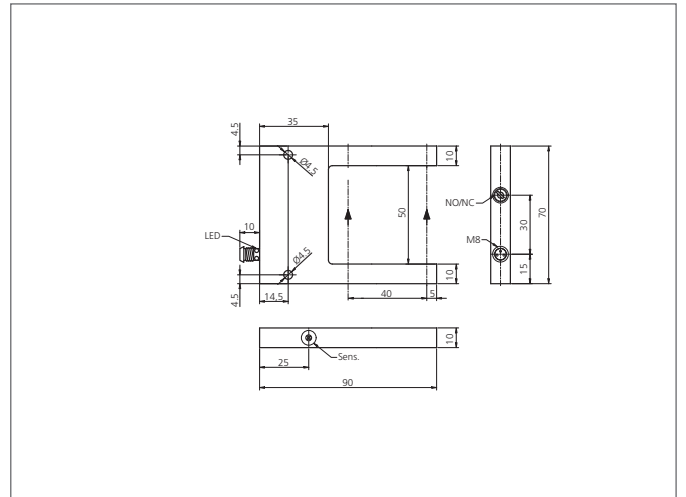
- High resolution
- Metal casing
- Integrated electronic module
- Differential evaluation
- Sensitivity adjustable
- High operating frequency
- Light / dark switching
- Bright ring LED
- 5-year warranty



### 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		digital, difference
Size		70 x 90 x 10 mm (Dimensions)
Design		fork
Fork opening		50 mm
Branch length		55 mm
Emitted light		Infrared, non-clocked
Service voltage		12 ... 35 V DC
Internal power consumption		< 35 mA
Resolution		Ø 0,1 mm
Sensitivity adjustment		potentiometer
Switching output		npn, 200 mA, NO/NC, switchable
Switching hysteresis		< 0,2 mm
Voltage drop		2,5 V
Switching frequency		5.000 Hz
Reproducibility		0,01 mm
Ambient temperature		0 ... +60 °C
Ambient light immunity		5 kLx
Insulation voltage endurance		500 V
Protection class		IP 67
Protection degree		III, operation on protective low voltage
Casing material		Aluminium black anodized
Connection		Connector, M8, 3-poled

**ODG 50 N3K-TSSL**  
**Differential Fork Light Barrier**



**TECHNICAL INFORMATION (typ.)**

**+20°C, 24V DC**

Connecting cable

TK ...