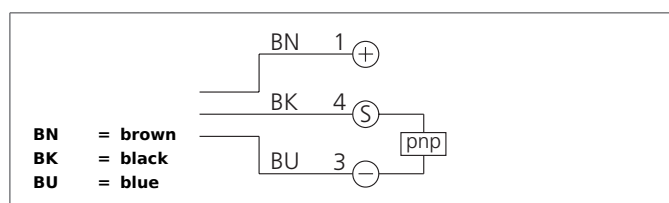


# ODG 90 P3K-TSSL

## Differential Fork Light Barrier

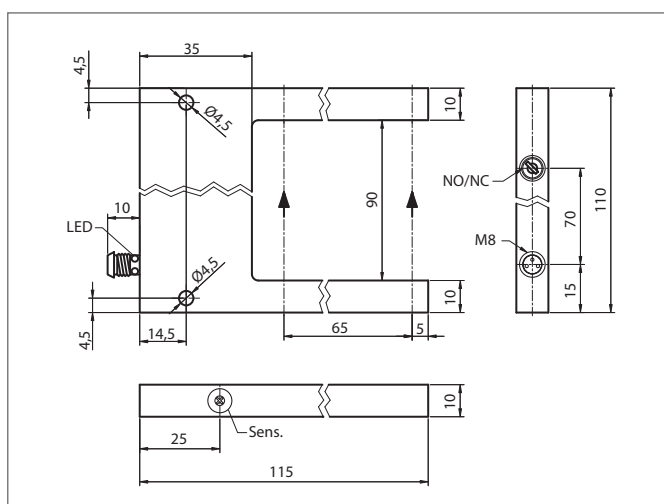
- Light/dark switching
- High resolution
- Metal casing
- Integrated electronic module
- Differential evaluation
- Sensitivity adjustable
- High operating frequency
- Bright ring LED
- 5-year warranty



### 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		110 x 115 x 10 mm (Dimensions)
Design		fork
Fork opening		90 mm
Branch length inside		80 mm
Emitted light		Infrared, non-clocked
Service voltage		12 ... 35 V DC
No-load current		< 35 mA
Resolution		Ø 0,25 mm
Sensitivity adjustment		potentiometer
Switching output		pnp, 200 mA, NO/NC, switchable
Switching hysteresis		< 0,2 mm
Shock-/vibration load		10 ... 55 Hz / 1,0 mm / 30 g
Voltage drop		< 2,5 V
Switching frequency		5000 Hz
Reproducibility		0,01 mm
Ambient temperature, operation		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

# ODG 90 P3K-TSSL

## Differential Fork Light Barrier



TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
Connection	Connector, M8, 3-poled
Connecting cable	TK ...