

ODG 50 P3K-TSSL

Differential Fork Light Barrier

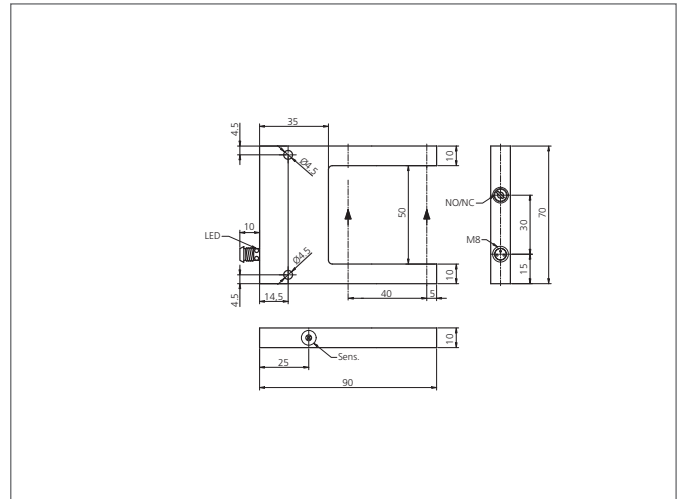
- Light/dark switching
- High resolution
- Metal casing
- Integrated electronic module
- Differential evaluation
- Sensitivity adjustable
- High operating frequency
- Bright ring LED
- 5-year warranty



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	70 x 90 x 10 mm (Dimensions)
Design	fork
Fork opening	50 mm
Branch length inside	55 mm
Emitted light	Infrared, non-clocked
Service voltage	12 ... 35 V DC
No-load current	< 35 mA
Resolution	Ø 0,1 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

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