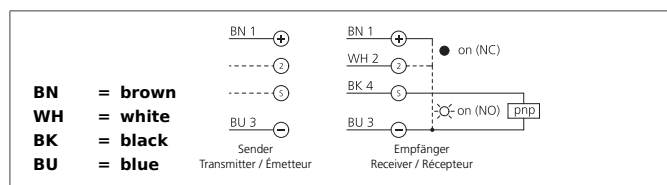


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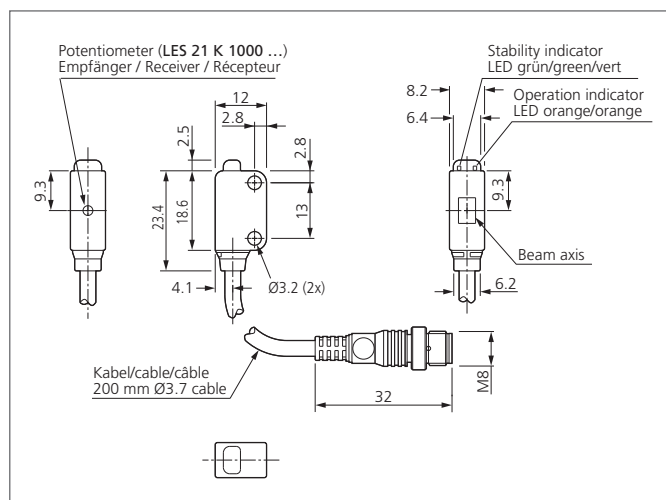
Laser Through Beam Sensor, Transmitter and Receiver

- High operating distances with a small design
- High resolution
- Visible red light with small light spot
- Sensitivity adjustable
- LED indicator for output state
- Set consisting of transmitter and receiver



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		Through beam sensor
Evaluation		digital
Size		22 x 13 x 8.5 mm (Dimensions)
Design		cuboid design
Emitted light		Red light laser, 655 nm, clocked
Laser class		1 (IEC 60825-1)
Service voltage		10,8 ... 26,4 V DC
Internal power consumption		10 mA
Operating distance		0 ... 1.000 mm
Resolution		6 x 4 mm (at operating distance 1.000 mm)
Smallest detectable object		Ø 0,3 mm
Sensitivity adjustment		potentiometer
Switching output		pnp, 50 mA, NO/NC
Switching hysteresis		20 %
Switching frequency		1.000 Hz
Response-/release time		0,5 ms
Ambient temperature		-10 ... +55 °C
Vibration/Shock resistance		10 ... 500 Hz / 1,5 mm / 10 G
Ambient light immunity		3 kLx
Insulation voltage endurance		1.000 V
Protection class		IP 67
Protection degree		III, operation on protective low voltage
Casing material		plastics

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Laser Through Beam Sensor, Transmitter and Receiver



TECHNICAL INFORMATION (typ.)	
Material	Acrylic (Window)
Connection	Cable, Connector, M8, 200 mm, 4-poled
Connecting cable	TK ... /4