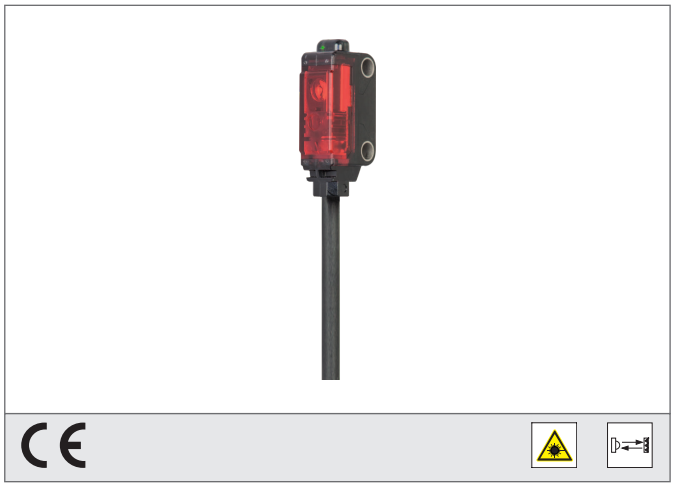
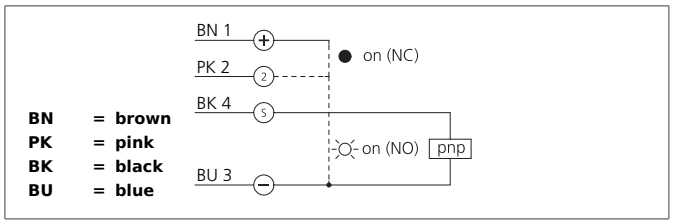
LR 21 K 4000 P3
Laser Retroreflective Sensor

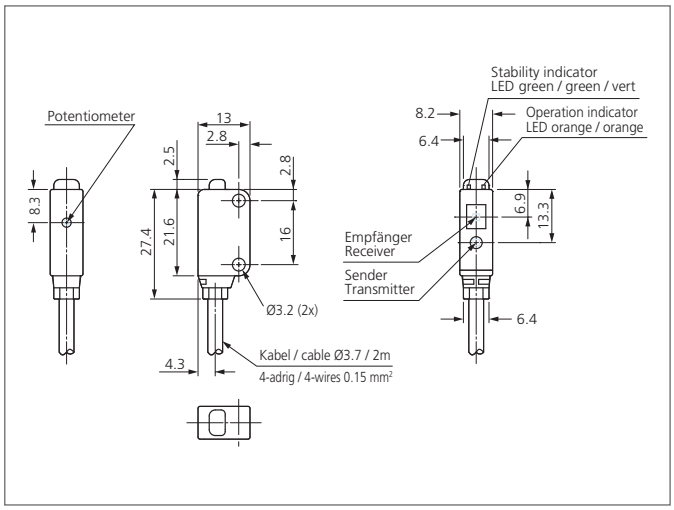
- High operating distances with a small design
- High resolution
- Visible red light with small light spot
- Sensitivity adjustable
- LED indicatior for output state
- Reflector included





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	Retroreflective 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)
Operating distance	0 ... 4.000 mm
Service voltage	10,8 ... 26,4 V DC
Internal power consumption	15 mA
Resolution	6 x 4 mm (at operating distance 1.000 mm)
Smallest detectable object	Ø 25 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

LR 21 K 4000 P3
Laser Retroreflective Sensor

TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
Material	Acrylic (Window)
Connection	Cable, 2 m, 4-poled, flying leads