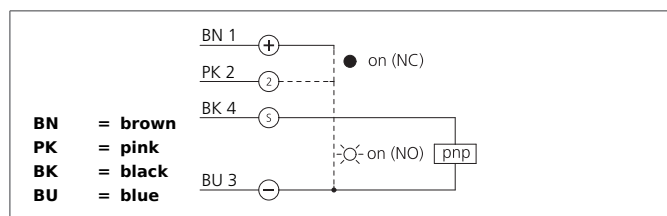


LR 21 K 4000 P3

Laser Retroreflective Sensor

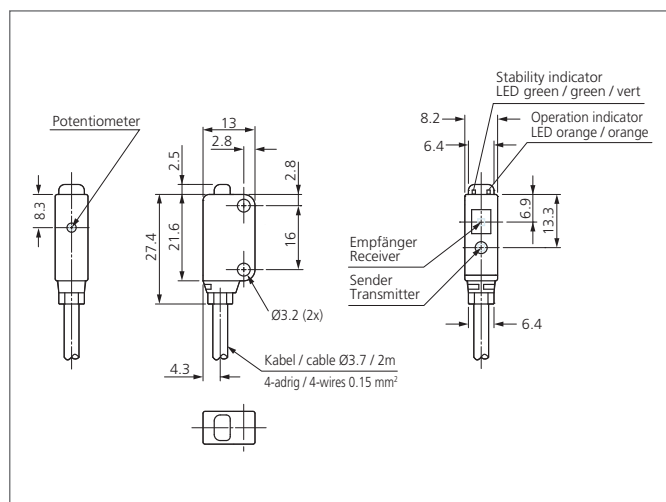


- High operating distances with a small design
- High resolution
- Visible red light with small light spot
- Sensitivity adjustable
- LED indicator for output state
- Reflector included



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 ... 4000 mm
Service voltage		10,8 ... 26,4 V DC
No-load current		15 mA
Resolution		6 x 4 mm (at operating distance 1000 mm)
Smallest detectable object		Ø 25 mm
Sensitivity adjustment		potentiometer
Switching output		pnp, 50 mA, NO/NC
Switching hysteresis		20 %
Shock/vibration load		10 ... 55 Hz / 1,0 mm / 30 g
Switching frequency		1000 Hz
Response-/release time		0,50 ms
Ambient temperature, operation		-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

LR 21 K 4000 P3

Laser Retroreflective Sensor



TECHNICAL INFORMATION (typ.)	
Casing material	plastics
Material	Acrylic (Window)
Connection	Cable, 2,0 m, 4-poled, flying leads

+20°C, 24V DC