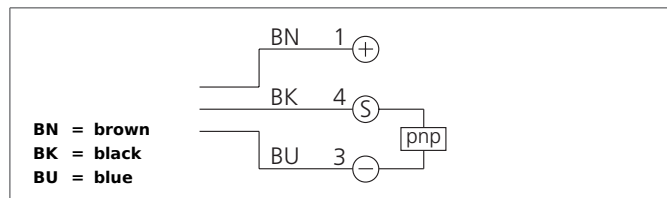


LRV 51 M 1000 P3K-TSSL

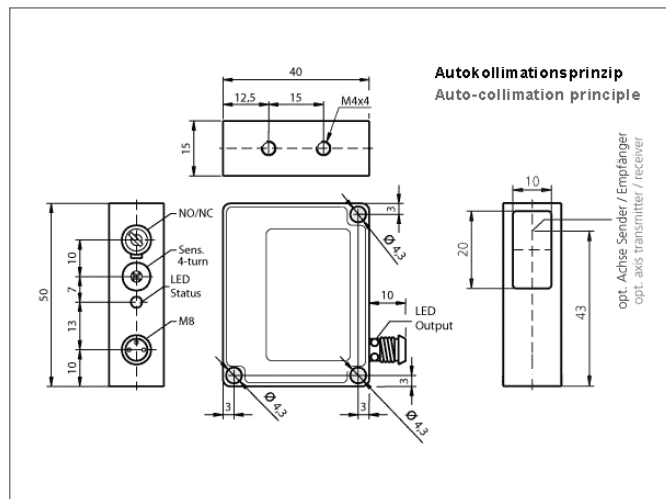
Laser Retroreflective Sensor

- Collimated red light laser, clocked
- Small laser spot and small reflector
- 4-turn potentiometer
- Polarized filter
- High operating frequency
- Bright LED, Connector M8 with ring LED
- Light/dark switching
- Functional reserve indicator/contamination indicator
- Robust metal casing



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. Repair only by di-soric.



TECHNICAL INFORMATION		+20°C, 24V DC
Evaluation		digital
Size		50 x 40 x 15 mm (Dimensions)
Design		cuboid design
Emitted light		Red light laser, 650 nm, clocked
Operating distance		1.000 mm
Service voltage		10 ... 35 V DC
Laser class		2 (EN 60825-1)
Referring reflector		RL 13 x 17 mm
Output		pnp, 200 mA, NO/NC, switchable
Sensitivity adjustment		potentiometer
Internal power consumption		< 40 mA
Voltage drop		< 2,8 V
Operating frequency		2.000 Hz
Resolution		Ø 0,2 mm
Response-/release time		< 2,5 ms / < 2,5 ms
Switching hysteresis		200 µm
Reproducibility		0,1 mm
Ambient temperature		0 ... +50 °C
Ambient light immunity		5 kLx
Insulation voltage endurance		500 V
Protection class		IP 67
Casing material		die-cast zinc lacquered finish
Material		polymethyl methacrylate (Window)

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Laser Retroreflective Sensor

TECHNICAL INFORMATION

Connection

+20°C, 24V DC

Connector, M8, 3-poled