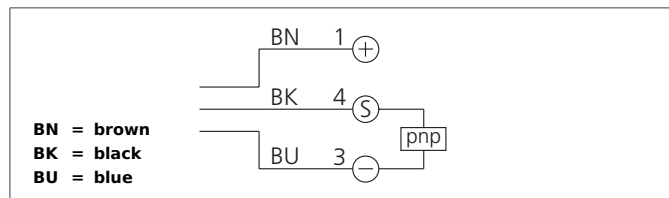


LRV 51 M 1000 P3K-IBS

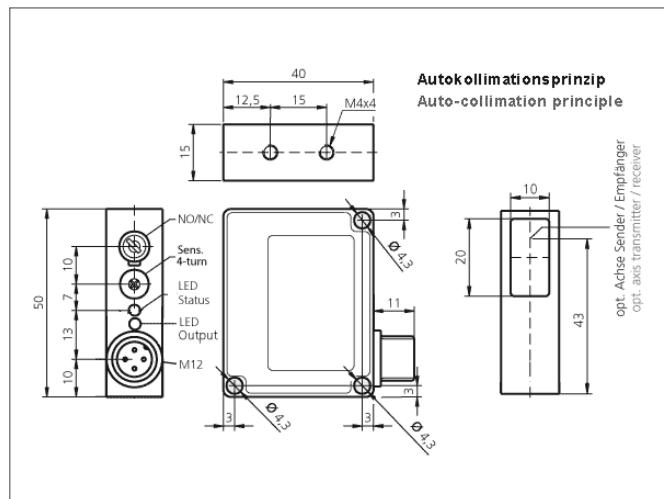
Laser Retroreflective Sensor

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



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	
Evaluation	+20°C, 24V DC 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, M12, 3-poled