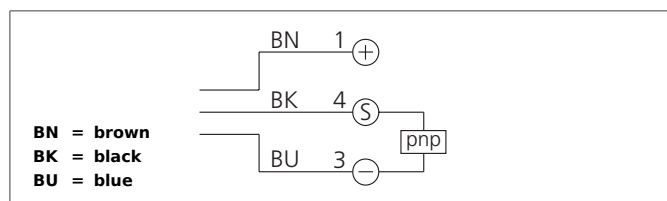


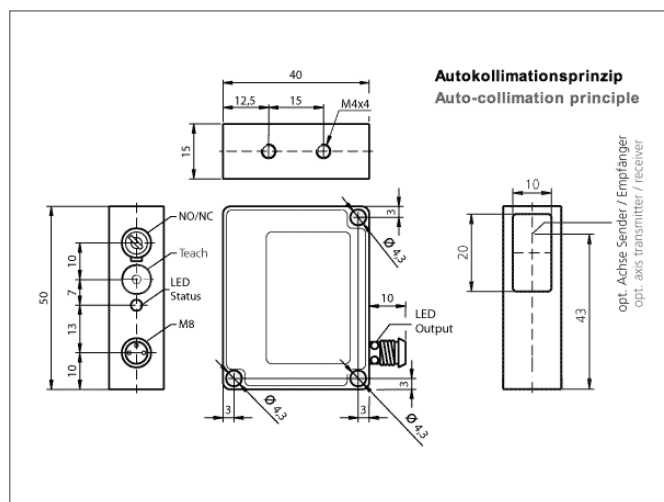
**LRVTI 51 M 1000 P3K-TSSL**  
**Laser Retroreflective Sensor**

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



## Safety instructions

Improper 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, (included)
Output		pnp, 200 mA, NO/NC, switchable
Sensitivity adjustment		teach button
Internal power consumption		< 40 mA
Voltage drop		< 2,8 V
Operating frequency		2.000 Hz
Resolution		Ø 0,2 mm
Switching hysteresis		< 0,1 mm
Reproducibility		0,05 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)
Connection		Connector, M8, 3-poled