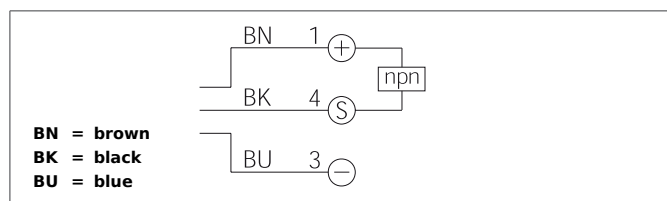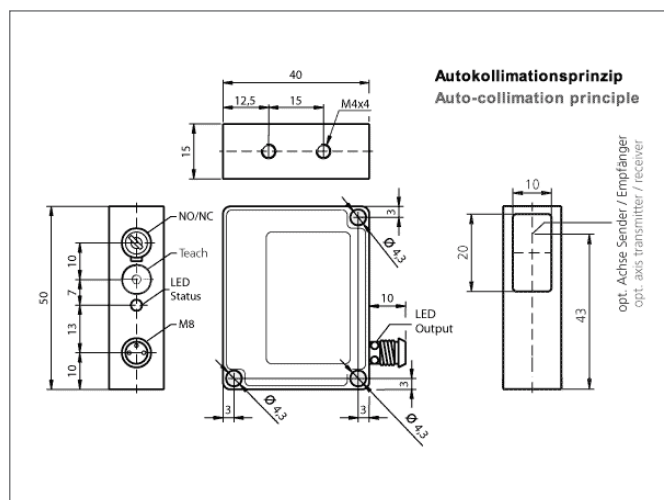# LRVTI 51 M 1000 N3K-TSSL
Laser Retroreflective Sensor

- 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

BN = brown
BK = black
BU = blue

Safety instructions

Inproper use may result in hazardous radiation exposure. Pay attention to accident prevenetion 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, clocked
Operating distance	0 ... 1.000 mm
Service voltage	10 ... 35 V DC
Laser class	2 (EN 60825-1)
Referring reflector	RL 13 x 17 mm, (included)
Output	npn, 200 mA, NO/NC, switchable
Sensitivity adjustment	teach button
Internal power consumption	< 40 mA
Operating frequency	2.000 Hz
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

Subject to reasonable modifications due to technical advances.   Printed in Germany

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