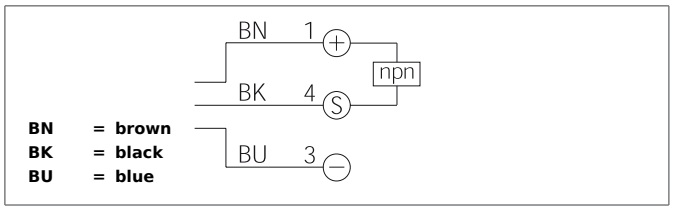
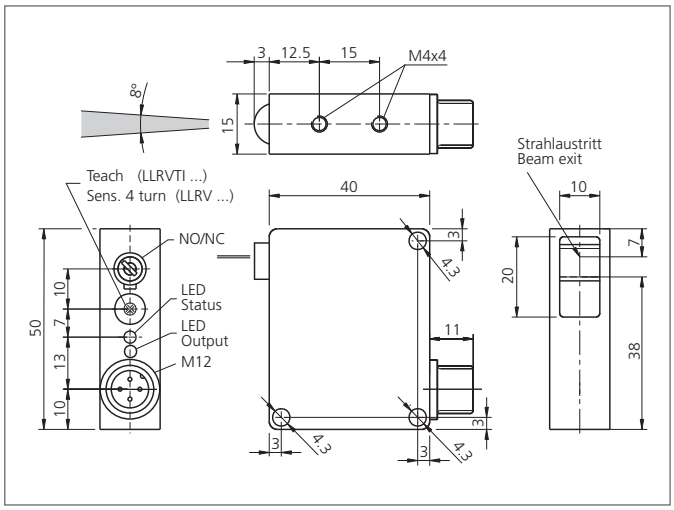
LLRV 51 M 500 N3K-IBS
Laser Line Retroreflective Sensor

- Fan-shaped laser beam with auto-collimation principle
- Detection of smallest parts within the entire active zone
- Red light laser
- 4-turn potentiometer
- 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.



TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
Operating principle	Retroreflective sensor
Evaluation	digital
Size	50 x 40 x 15 mm (Dimensions)
Design	cuboid design
Emitted light	Red light laser, 670 nm, clocked
Laser class	1 (IEC 60825-1)
Operating distance	50 ... 500 mm
Service voltage	10 ... 35 V DC
Internal power consumption	< 30 mA
Resolution	25 ... 100 % covering of laser line
Sensitivity adjustment	potentiometer
Switching output	npn, 200 mA, NO/NC, switchable
Switching frequency	750 Hz
Ambient temperature	+5 ... +50 °C
Ambient light immunity	15 kLx
Insulation voltage endurance	500 V
Protection class	IP 67
Protection degree	III, operation on protective low voltage
Casing material	Die-cast zinc black lacquered finish
Material	polymethyl methacrylate (Window)
Connection	Connector, M12, 4-poled
Connecting cable	VK ...