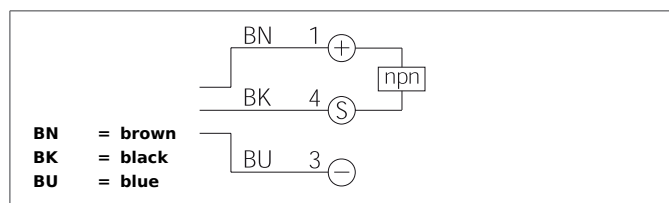


LRVTI 51 M 2000 N3K-IBS

Laser Retroreflective Sensor

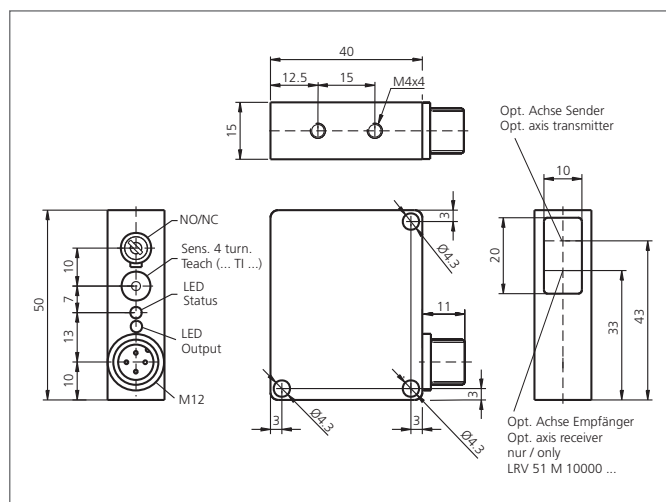


- Teach function
- Collimated red light laser
- Small laser spot and small reflector
- Polarized filter
- High operating frequency
- Robust metal casing
- Bright LED
- Functional reserve indicator/contamination indicator
- Light/dark switching



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.)	
Operating principle	+20°C, 24V DC Retroreflective sensor
Evaluation	digital
Size	50 x 40 x 15 mm (Dimensions)
Design	cuboid design
Emitted light	Red light laser, clocked
Laser class	1 (IEC 60825-1)
Operating distance	0 ... 2000 mm
Service voltage	10 ... 35 V DC
No-load current	< 40 mA
Sensitivity adjustment	Teach key
Referring reflector	RL 13 x 17 mm, (included)
Switching output	npn, 200 mA, NO/NC, switchable
Switching hysteresis	< 0,05 mm
Shock/vibration load	10 ... 55 Hz / 1,0 mm / 30 g
Voltage drop	< 2,8 V
Switching frequency	2000 Hz
Reproducibility	0,05 mm
Ambient temperature, operation	0 ... +50 °C
Ambient light immunity	5 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

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Laser Retroreflective Sensor



TECHNICAL INFORMATION (typ.)	
Material	+20°C, 24V DC polymethyl methacrylate (Window)
Connection	Connector, M12, 3-poled
Connecting cable	VK ...