

LRVTI 51 M 2000 P3K-IBS

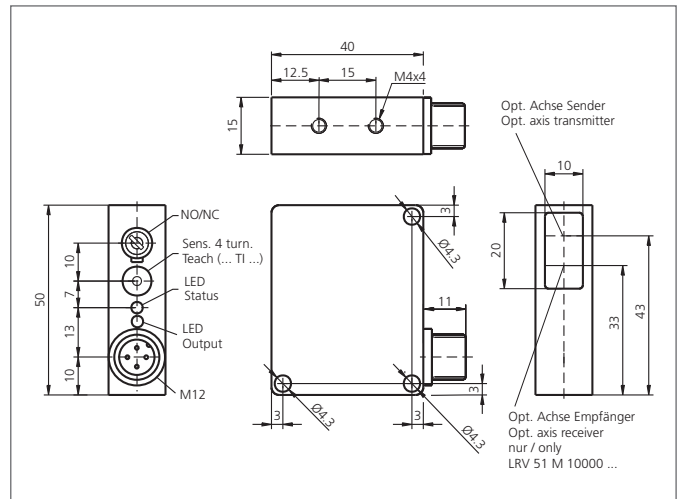
Laser Retroreflective Sensor

- 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.) | | +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, 650 nm, clocked |
| Laser class | | 1 (IEC 60825-1) |
| Operating distance | | 2.000 mm |
| Service voltage | | 10 ... 35 V DC |
| Internal power consumption | | < 40 mA |
| Resolution | | Ø 0,2 mm |
| Sensitivity adjustment | | Teach key |
| Referring reflector | | RL 13 x 17 mm, (included) |
| Switching output | | pnp, 200 mA, NO/NC, switchable |
| Switching hysteresis | | < 0,1 mm |
| Voltage drop | | < 2,8 V |
| Switching frequency | | 2.000 Hz |
| Reproducibility | | 0,05 mm |
| Ambient temperature | | 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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| Material | | polymethyl methacrylate (Window) |
| Connection | | Connector, M12, 3-poled |
| Connecting cable | | VK ... |