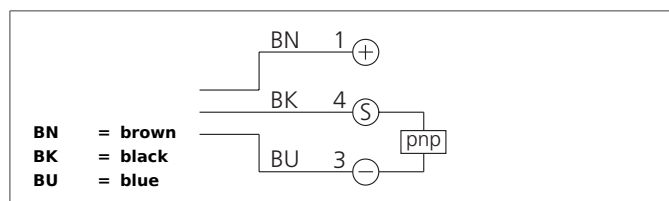


# LRVTI 51 M 2000 P3K-TSSL

## Laser Retroreflective Sensor

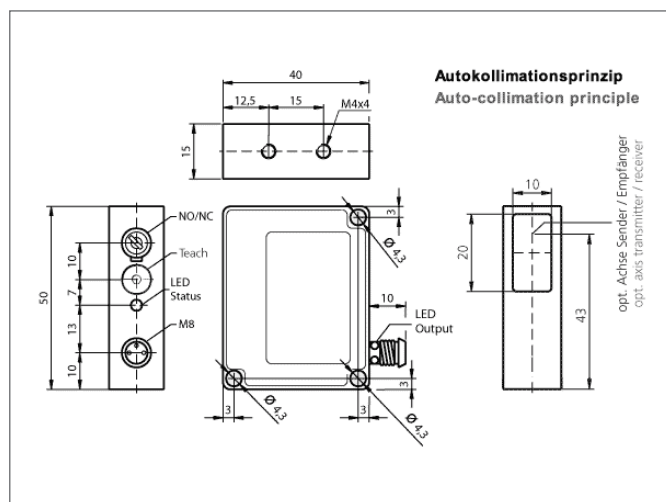


- Teach function
- Collimated red light laser
- Small laser spot and small reflector
- Polarized filter
- High operating frequency
- Robust metal casing
- Bright ring LED
- Functional reserve indicator/contamination indicator
- Light/dark switching



### 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            | 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             | 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               | pnp, 200 mA, NO/NC, switchable           |
| Switching hysteresis           | < 0,1 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     |

## LRVTI 51 M 2000 P3K-TSSL

### Laser Retroreflective Sensor



| TECHNICAL INFORMATION (typ.) |  | +20°C, 24V DC                    |
|------------------------------|--|----------------------------------|
| Material                     |  | polymethyl methacrylate (Window) |
| Connection                   |  | Connector, M8, 3-poled           |
| Connecting cable             |  | TK ...                           |