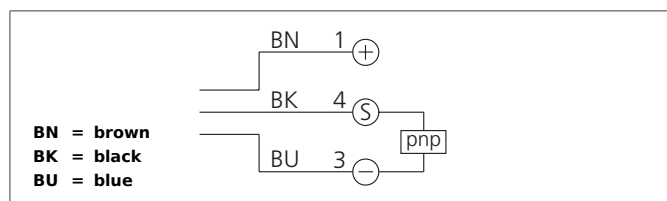


# LRVTI 51 M 1000 P3K-IBS

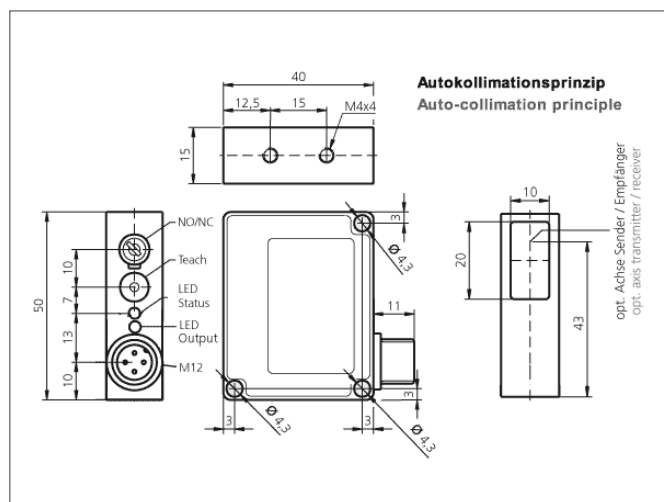
## Laser Retroreflective Sensor

- Teach function
- Collimated red light laser, clocked
- Small laser spot and small reflector
- Polarized filter
- High operating frequency
- Robust metal casing
- Bright LED
- 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. Repair only by di-soric.



| TECHNICAL INFORMATION        |                                  |
|------------------------------|----------------------------------|
| Evaluation                   | digital                          |
| Size                         | 50 x 40 x 15 mm (Dimensions)     |
| Design                       | cuboid design                    |
| Emitted light                | Red light laser, 650 nm, clocked |
| Operating distance           | 1.000 mm                         |
| Service voltage              | 10 ... 35 V DC                   |
| Laser class                  | 2 (EN 60825-1)                   |
| Referring reflector          | RL 13 x 17 mm, (included)        |
| Output                       | pnp, 200 mA, NO/NC, switchable   |
| Sensitivity adjustment       | teach button                     |
| Internal power consumption   | < 40 mA                          |
| Voltage drop                 | < 2,8 V                          |
| Operating frequency          | 2.000 Hz                         |
| Resolution                   | Ø 0,2 mm                         |
| 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, M12, 3-poled          |