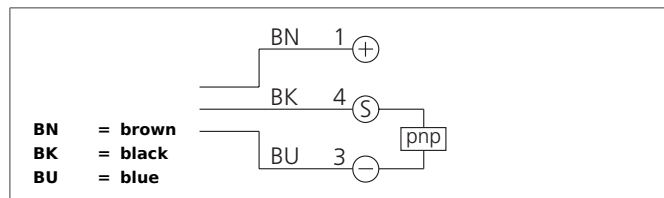


## ORV 51 M 5000 P3K-IBS Retroreflective Sensor

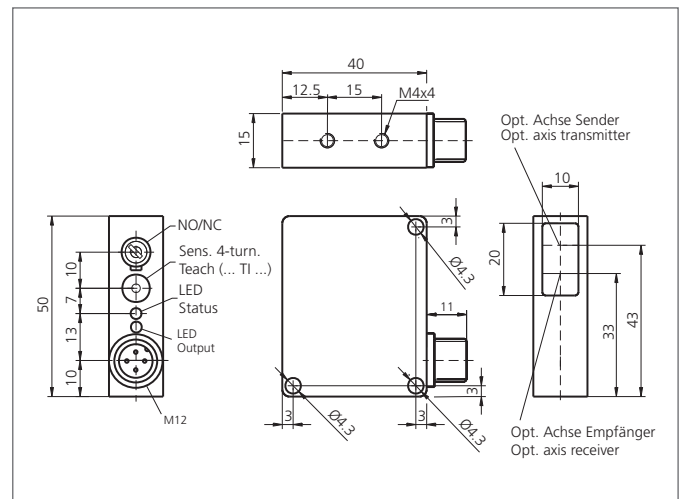


- Red light
- Polarized filter
- 4-turn potentiometer
- High operating frequency
- Bright LED
- Light/dark switching
- Functional reserve indicator/contamination indicator
- Robust metal casing



### Safety instructions

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<br>Retroreflective sensor  |
| Evaluation                   | digital                                  |
| Size                         | 50 x 40 x 15 mm (Dimensions)             |
| Design                       | cuboid design                            |
| Characteristics              | Integrated polarized filter              |
| Emitted light                | Red, 660 nm, clocked                     |
| Operating distance           | 300 ... 5.000 mm adjustable              |
| Service voltage              | 10 ... 35 V DC                           |
| Internal power consumption   | < 40 mA                                  |
| Sensitivity adjustment       | Potentiometer 4-way                      |
| Referring reflector          | 100 x 100 mm                             |
| Switching output             | pnp, 200 mA, NO/NC, switchable           |
| Voltage drop                 | < 2,0 V                                  |
| Switching frequency          | 1.000 Hz                                 |
| Response-/release time       | < 0,5 ms / < 0,5 ms                      |
| Ambient temperature          | -10 ... +60 °C                           |
| Ambient light immunity       | 20 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, 3-poled                  |