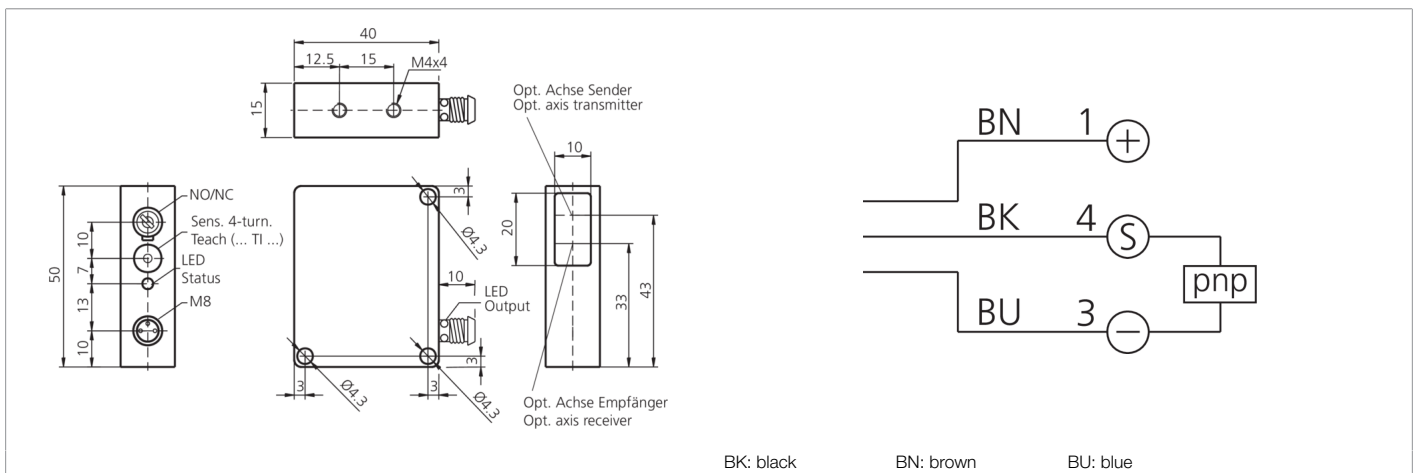




**201492**  
**ORV 51 M 5000 P3K-TSSL**  
**Retroreflective sensor**

- Red light
- Polarization filter
- 4-turn potentiometer
- High switching frequency
- Bright LED, Connector M8 with ring LED
- Light/dark switching
- Functional reserve indicator/contamination indicator
- Robust metal housing



| Function |  |  |  |  |  |  |  |  |  |
|----------|--|--|--|--|--|--|--|--|--|
|          |  |  |  |  |  |  |  |  |  |

| Technical data (typ.)        | +20°C, 24 V DC                           |
|------------------------------|------------------------------------------|
| Service voltage              | 10 ... 35 V DC                           |
| No-load current (max.)       | 40 mA                                    |
| Insulation voltage endurance | 500 V                                    |
| Housing dimensions           | 50 x 40 x 15 mm                          |
| Housing length               | 40 mm                                    |
| Housing height               | 50 mm                                    |
| Housing width                | 15 mm                                    |
| Housing material             | Die-cast zinc (Black, painted)           |
| Material                     | PMMA (Window)                            |
| Protection class             | III, operation on protective low voltage |
| Operating principle          | Retroreflective sensor                   |
| Evaluation                   | digital                                  |
| Design                       | Cuboid design                            |
| Characteristics              | Integrated polarization filter           |
| Switching output             | pnp, 200 mA, NO/NC, switchable           |
| Voltage drop (max.)          | 2 V                                      |
| Light source                 | LED                                      |
| Color                        | Red                                      |
| Wavelength                   | 660 nm                                   |
| Modulation                   | Clocked                                  |
| Ambient light immunity       | 20 kLx                                   |
| Range                        | 300 ... 5000 mm                          |



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|                                       |                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------|
| <b>Technical data (typ.)</b>          | <b>+20°C, 24 V DC</b>                                                                |
| Referring reflector                   | 100 x 100 mm                                                                         |
| Sensitivity adjustment                | Potentiometer (4-turn)                                                               |
| Switching frequency                   | 1000 Hz                                                                              |
| Response time                         | 0.50 ms                                                                              |
| Release time                          | 0.50 ms                                                                              |
| Ambient temperature during operation  | -10 ... +60 °C                                                                       |
| Protection type                       | IP 67                                                                                |
| Connection                            | Connector, M8, 3-pin                                                                 |
| <b>More information / accessories</b> | <b><a href="https://www.di-soric.com/201492">https://www.di-soric.com/201492</a></b> |