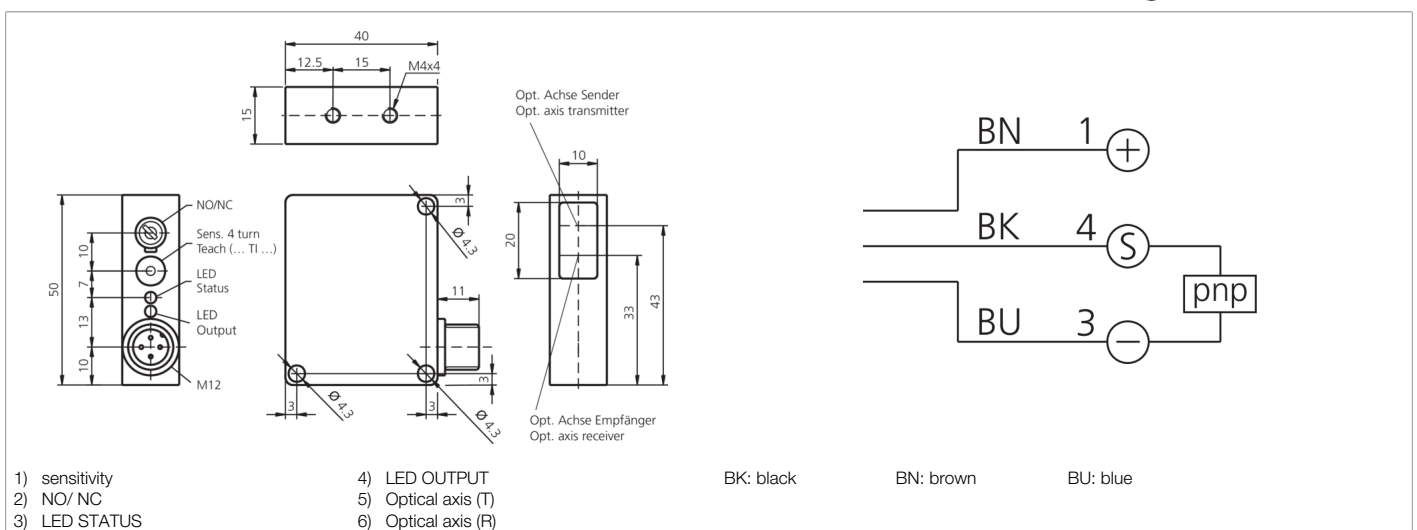




**201568**  
**OTVTI 51 M 500 P3K-IBS**  
**Retroreflective diffuse sensor**

- Red light
- Teach function
- Bright LED
- Light/dark switching, push-pull
- 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                            |
| Operating principle          | Retroreflective diffuse sensor |
| Evaluation                   | digital                        |
| Design                       | Cuboid design                  |
| 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       | 10 kLx                         |



**201568**

**OTVTI 51 M 500 P3K-IBS**

**Retroreflective diffuse sensor**

| <b>Technical data (typ.)</b>         | <b>+20°C, 24 V DC</b> |
|--------------------------------------|-----------------------|
| Scanning range                       | 100 ... 500 mm        |
| Standardized measuring plate         | 200 x 200 mm (white)  |
| Switching hysteresis (max.)          | 12 %                  |
| Reproducibility                      | < 1 %                 |
| Sensitivity adjustment               | Teach button          |
| Switching frequency                  | 1000 Hz               |
| Response time                        | 0.50 ms               |
| Release time                         | 0.50 ms               |
| Ambient temperature during operation | -10 ... +60 °C        |
| Temperature drift                    | 0.3 %/K               |
| Protection type                      | IP 67                 |
| Connection                           | Connector, M12, 3-pin |

| <b>More information / accessories</b> | <b><a href="https://www.di-soric.com/201568">https://www.di-soric.com/201568</a></b> |
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