

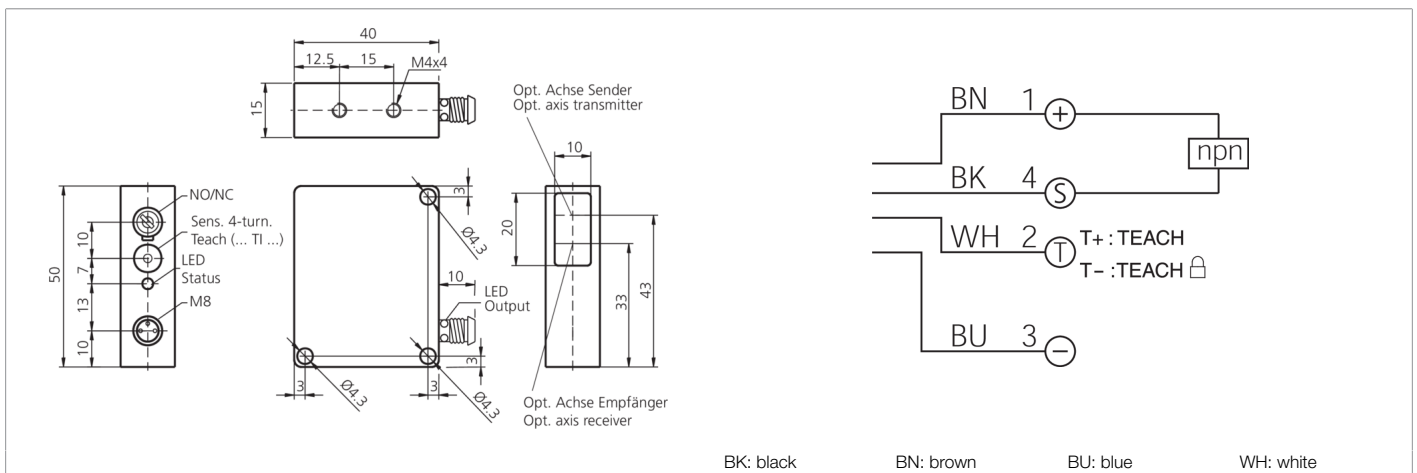


204956

LHTTI 51 M 200 FN3K-TSSL

Laser diffuse sensor with background suppression

- Automatic adjustment of transmitting power
- Red-light laser, with small laser spot
- Teach function
- Remote teach option with key-lock function
- Electronic background suppression
- Functional reserve indicator/contamination indicator
- Bright LED, Connector M8 with ring LED
- Light/dark switching



| Function | | | | | | | | | | | |
|----------|--|--|--|--|--|--|--|--|--|--|--|
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| Technical data (typ.) | +20°C, 24 V DC |
|------------------------------|--|
| Service voltage | 10 ... 35 V DC |
| No-load current (max.) | 25 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 | Diffuse sensor with background suppression |
| Evaluation | digital |
| Design | Cuboid design |
| Switching output | npn, 200 mA, NO/NC, switchable |
| Voltage drop (max.) | 2 V |
| Light source | Laser |
| Laser class | 1 (IEC 60825-1) |
| Color | red |
| Wavelength | 650 nm |
| Modulation | Clocked |
| Background suppression | Yes |
| Light spot size | Ø 1.5 mm |



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|---------------------------------------|--|
| Technical data (typ.) | +20°C, 24 V DC |
| Ambient light immunity | 5 kLx |
| Scanning range | 50 ... 200 mm |
| Switching hysteresis (max.) | 6 % |
| Sensitivity adjustment | Teach button, Remote teach |
| Switching frequency | 500 Hz |
| Ambient temperature during operation | -10 ... +50 °C |
| Protection type | IP 67 |
| Connection | Connector, M8, 4-pin |
| Connection cable | TK ... /4 |
| More information / accessories | https://www.di-soric.com/204956 |