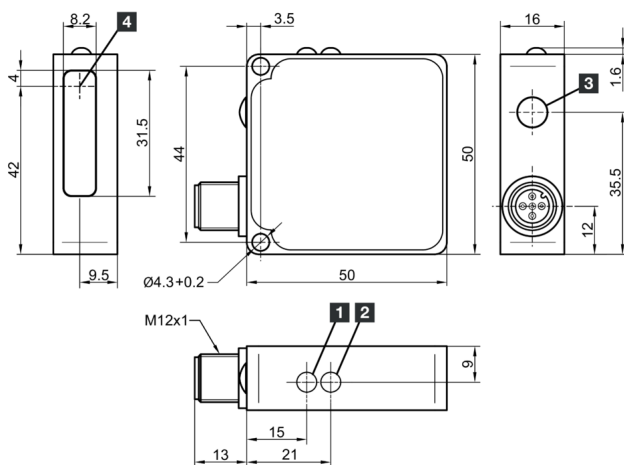




## 206872 LAT 51 M 500 UG3-B5 Laser distance sensors

- Precisely linearized object detection
- Digital and analog output
- Remote teach option
- Key-lock function via remote teach
- Red-light laser, with small laser spot
- Robust metal housing



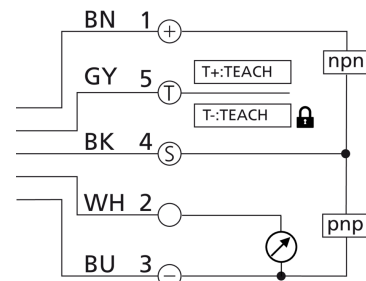
1) LED STATUS  
2) LED OUTPUT

3) TEACH key  
4) Laser beam exit

BK: black  
BN: brown

BU: blue  
GY: grey

WH: white



### Function



### Technical data (typ.)

### +20°C, 24 V DC

|                              |                                          |
|------------------------------|------------------------------------------|
| Service voltage              | 18 ... 30 V DC                           |
| No-load current (max.)       | 60 mA (24 V DC)                          |
| Insulation voltage endurance | 500 V                                    |
| Housing dimensions           | 50 x 50 x 16 mm                          |
| Housing material             | Aluminum (Black, Anodized)               |
| Material window / optics     | PMMA                                     |
| Protection class             | III, operation on protective low voltage |
| Design                       | Cuboid design                            |
| Switching output             | Push-pull (1x), 150 mA, NO/NC            |
| Voltage drop (max.)          | 2 V                                      |
| Analog output                | 0 ... 10 V                               |
| Permissible impedance        | > 1 kΩ                                   |
| Light source                 | Laser                                    |
| Laser class                  | 1 (IEC 60825-1)                          |
| Color                        | red                                      |
| Wavelength                   | 650 nm                                   |
| Light spot size              | Ø 2 mm                                   |
| Ambient light immunity       | 5 kLx                                    |
| Measuring range              | 50 ... 500 mm (90 % remission)           |
| Resolution                   | 50.0 ... 1500 µm                         |

**206872****LAT 51 M 500 UG3-B5****Laser distance sensors****Technical data (typ.)****+20°C, 24 V DC**

|                                      |                                                  |
|--------------------------------------|--------------------------------------------------|
| Switching hysteresis (max.)          | 0.1 %                                            |
| Linearity error                      | 1 %                                              |
| Display                              | LED Green - Operation, yellow - Switching output |
| Measuring frequency                  | 500 Hz                                           |
| Readiness delay (max.)               | 300 ms                                           |
| Ambient temperature during operation | 0 ... +50 °C                                     |
| Protection type                      | IP 67                                            |
| Connection                           | Connector, M12, 5-pin                            |
| Connection cable                     | VK ... /5                                        |

**More information / accessories****<https://www.di-soric.com/206872>**