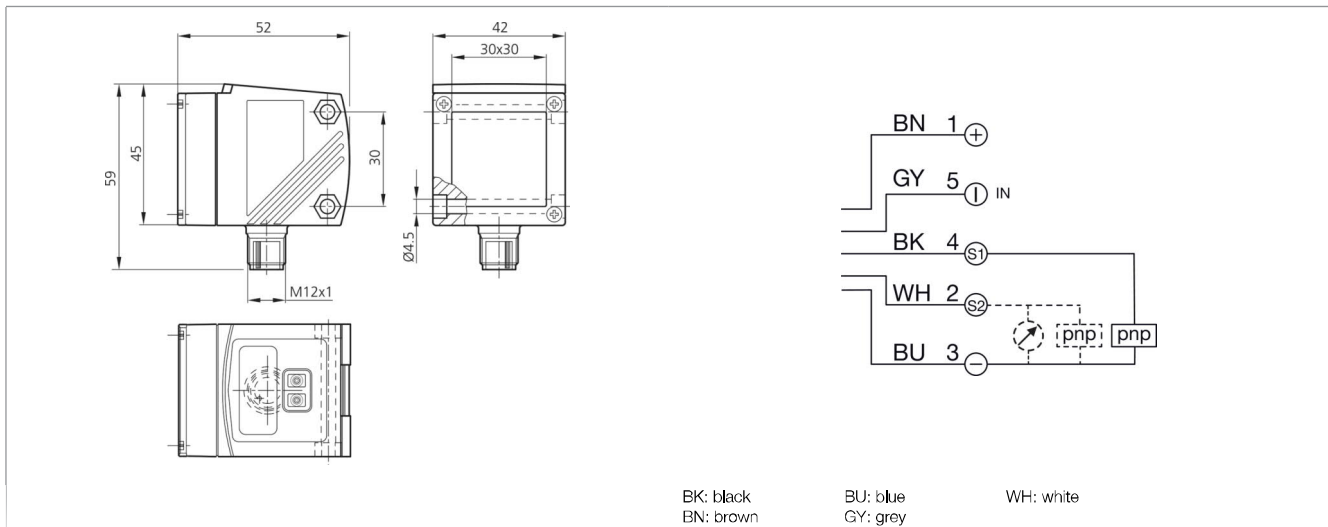


**213002**  
**LAT45-10MIU-B5**  
**Laser distance sensors**

- IO-Link
- Long range
- Very good color and surface independence
- Red-light laser for simple alignment
- Measured values on display
- Easy to operate
- Robust metal housing



**Function**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| Technical data (typ.)    | +20°C, 24 V DC   |
|--------------------------|--|
| Service voltage          | 18 ... 30 V DC (Supply Class 2)  |
| No-load current (max.)   | 150 mA   |
| Housing dimensions       | 45 x 52 x 42 mm  |
| Housing material         | Die-cast zinc (Black, painted)   |
| Material window / optics | Glass  |
| Weight                   | 309 g  |
| Protection class         | III, operation on protective low voltage   |
| Design                   | Cuboid design  |
| Switching output         | pnp (2x), 200 mA, NO/NC, configurable  |
| Analog output            | 0 ... 10 V, 4 ... 20 mA  |
| Interface                | <ul style="list-style-type: none"> <li>■ IO-Link V1.1, COM2</li> <li>■ Smart Sensor Profile</li> </ul> |
| Light source             | Laser  |
| Laser class              | 2 (IEC 60825-1)  |
| Color                    | red  |
| Background suppression   | 10.000 ... 100.000 mm  |
| Light spot size          | Ø 15 mm (at distance of 10 m)  |
| Ambient light immunity   | 100 kLx  |
| Measuring range          | 200 ... 10.000 mm (90 % remission)   |
| Resolution               | 1,0 mm (90% remission, measuring frequency 15 Hz)  |



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**Laser distance sensors**

| <b>Technical data (typ.)</b>          | <b>+20°C, 24 V DC</b>  |
|---------------------------------------|--|
| Reproducibility                       | 4.5 ... 50 mm (90% remission, measuring frequency 15 Hz)                             |
| Linearity error                       | ± 15 mm (90% remission, measuring frequency 15 Hz)                                   |
| Sensitivity adjustment                | Keypad   |
| Display                               | LED Green - Status, yellow - Switching output  |
| Measuring frequency                   | 1,0 ... 33 Hz  |
| Switching frequency                   | 0,30 Hz ... 11 Hz  |
| Ambient temperature during operation  | -10 ... +60 °C   |
| Protection type                       | IP 67  |
| Connection                            | Connector, M12, 5-pin  |
| Connection cable                      | VK ... /5  |
| <b>More information / accessories</b> | <b><a href="https://www.di-soric.com/213002">https://www.di-soric.com/213002</a></b> |