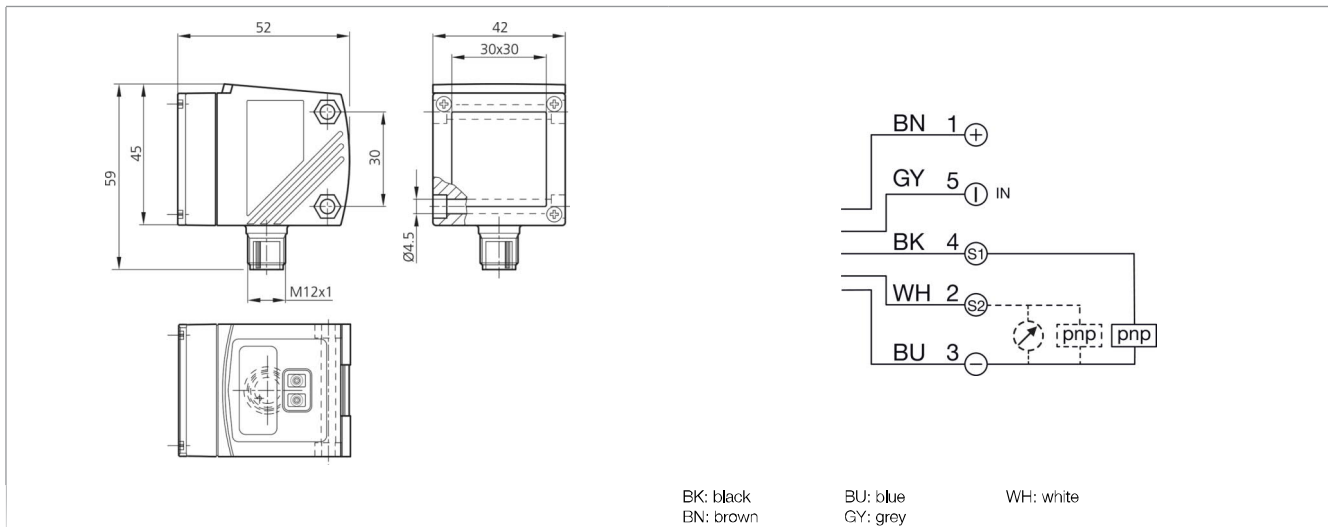


213003
LAT45-6MIU-B5
Laser distance sensors

- 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"> ■ IO-Link V1.1, COM2 ■ Smart Sensor Profile |
| Light source | Laser |
| Laser class | 1 (IEC 60825-1) |
| Color | red |
| Background suppression | 6,000 ... 100,000 mm |
| Light spot size | Ø 8 mm (at 6 m distance) |
| Ambient light immunity | 100 kLx |
| Measuring range | 300 ... 6,000 mm (90 % remission) |
| Resolution | 1,0 mm (90% remission, measuring frequency 15 Hz) |



213003
LAT45-6MIU-B5
Laser distance sensors

| Technical data (typ.) | +20°C, 24 V DC |
|---------------------------------------|--|
| Reproducibility | 11 ... 145 mm (90% remission, measuring frequency 15 Hz) |
| Linearity error | ± 31 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 |
| More information / accessories | https://www.di-soric.com/213003 |