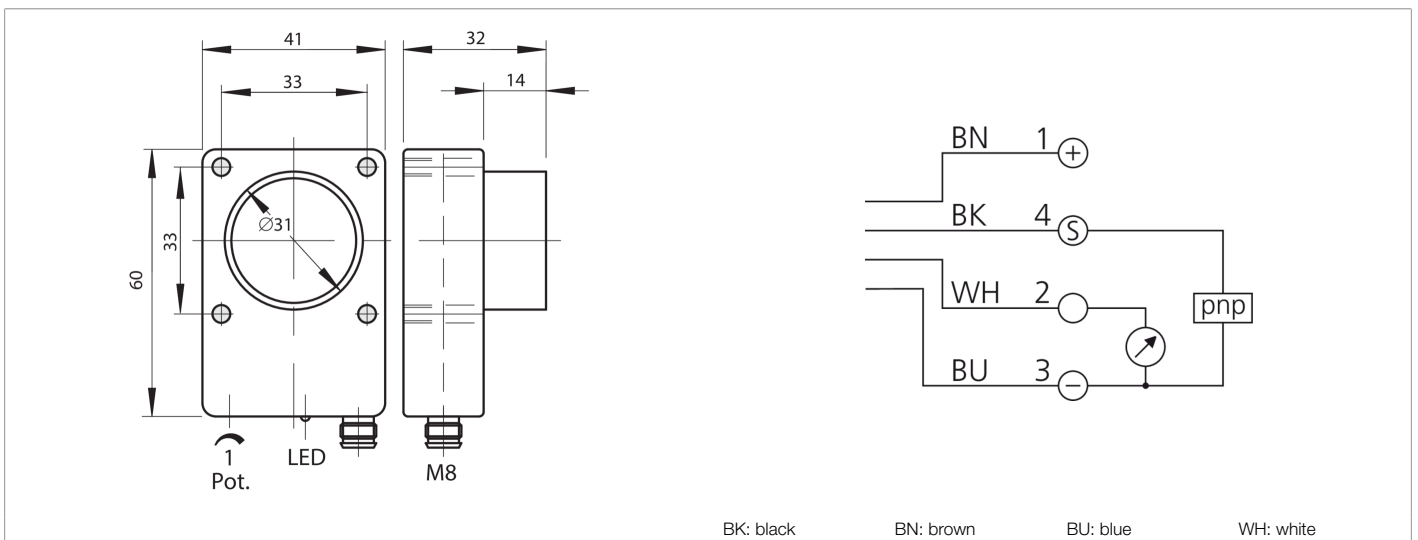





202583
US 60 K 1000 PSA-TSSL
Ultrasonic sensor

- Robust housing
- Compact design
- Working range adjustable
- Resistant to dirt
- Insensitive to ambient noise
- Measuring does not depend on surface
- Switching output and analog output
- High follow-up speed
- High resolution
- Piezo-ceramic composite transducer



| Function | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|---|
|  |  | | | | | | | | |  |

| Technical data (typ.) | +20°C, 24 V DC |
|------------------------------|--|
| Service voltage | 15 ... 30 V DC |
| No-load current (max.) | 60 mA |
| Ripple | 20 mV |
| Insulation voltage endurance | 500 V |
| Housing dimensions | 60 x 41 x 18 mm |
| Housing length | 18 mm |
| Housing height | 60 mm |
| Housing width | 41 mm |
| Housing material | Plastic (PA) |
| Protection class | III, operation on protective low voltage |
| Operating principle | Ultrasonic sensor |
| Evaluation | digital, analog |
| Design | Cuboid design |
| Switching output | pnp, 100 mA, NO |
| Analog output | 0 ... 10 V |
| Analog output linearity | < 0.5 % (Sn max.) |
| Load resistance | > 10000 Ω |
| Switching distance | 135 ... 1000 mm |
| Resolution | 0.2 % (Sn max.) |
| Switching hysteresis (max.) | 25 mm |



202583
US 60 K 1000 PSA-TSSL
Ultrasonic sensor

| Technical data (typ.) | +20°C, 24 V DC |
|---------------------------------------|--|
| Accuracy | < 1 % (Sn max.) |
| Measuring time | 250 ms (95% Sn max.) |
| Ultrasonic frequency | 180 kHz |
| Switching frequency | 5 Hz |
| Response time | 130 ms |
| Release time | 90 ms (50% Sn max.) |
| Ambient temperature during operation | -20 ... +50 °C |
| Temperature drift | 1 %/K (-20 to +50°C) |
| Protection type | IP 67 |
| Connection | Connector, M8, 4-pin |
| Connection cable | TK ... /4 |
| More information / accessories | https://www.di-soric.com/202583 |