

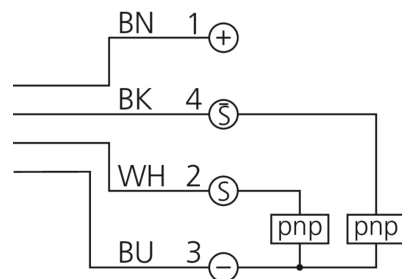
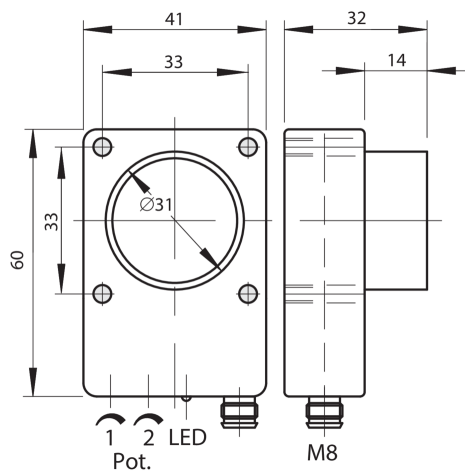


# 202579

## US 60 K 500 PSS-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
- High resolution
- Piezo-ceramic composite transducer



BK: black

BN: brown

BU: blue

WH: white

#### Function



#### Technical data (typ.)

#### +20°C, 24 V DC

|                              |                                          |
|------------------------------|------------------------------------------|
| Service voltage              | 15 ... 30 V DC                           |
| No-load current (max.)       | 60 mA                                    |
| 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                                  |
| Design                       | Cuboid design                            |
| Switching output             | pnp, 100 mA, NO (2x)                     |
| Switching distance           | 80 ... 500 mm                            |
| Resolution                   | 0.2 % (Sn max.)                          |
| Switching hysteresis (max.)  | 15 mm                                    |
| Accuracy                     | < 1 % (Sn max.)                          |
| Ultrasonic frequency         | 180 kHz                                  |
| Switching frequency          | 8 Hz                                     |
| Response time                | 50 ms                                    |



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**Ultrasonic sensor**

**Technical data (typ.)****+20°C, 24 V DC**

|                                      |                      |
|--------------------------------------|----------------------|
| Release time                         | 80 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/202579>