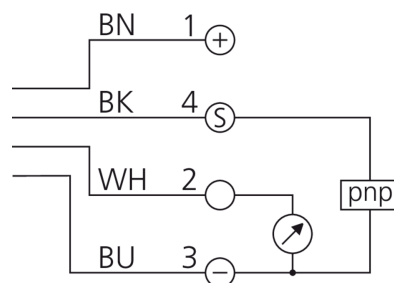
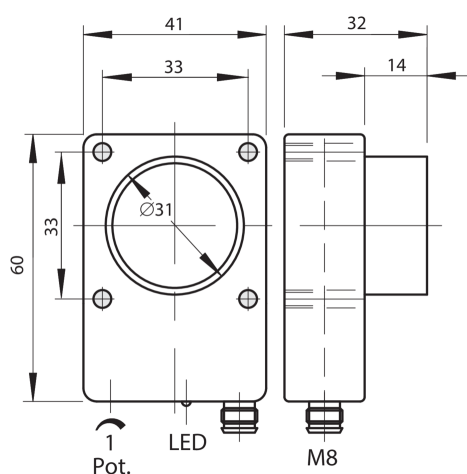



202583
US 60 K 1000 PSA-TSSL
Ultrasonic sensor

- 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



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
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



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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