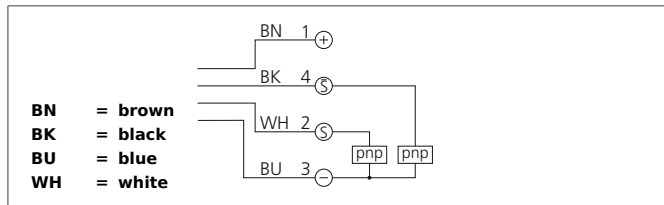


# US 60 K 2500 PSS-TSSL

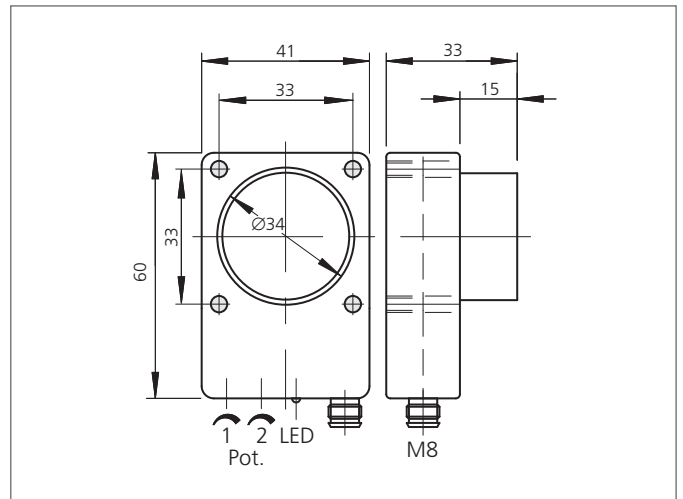
## Ultrasonic Sensor

- Robust casing
- Compact design
- Scanning range adjustable
- Insensitive to dirt
- Insensitive to ambient noise
- Scanning does not depend on surface
- Switching output
- High resolution
- Piezo-ceramic composite transducer



### Safety instructions

The Instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments.  
 These instruments shall exclusively be used by qualified personnel.



TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Operating principle		Ultrasonic sensor
Evaluation		digital
Size		60 x 41 x 33 mm (Dimensions)
Design		cuboid design
Service voltage		15 ... 30 V DC
No-load current		< 60 mA
Operating distance		250 ... 2500 mm
Resolution		0,1 % / Sn max.
Switching output		pnp, 100 mA, NO (2x)
Switching hysteresis		40 mm
Sound frequency		120 kHz
Shock-/vibration load		10 ... 55 Hz / 1,0 mm / 30 g
Switching frequency		3 Hz
Accuracy		< 1 % / Sn max.
Response-/release time		200 ms / 120 ms (50% Sn max.)
Ambient temperature, operation		-20 ... +50 °C
Temperature drift		1 % (-20 ... +50°C)
Insulation voltage endurance		500 V
Protection class		IP 67
Casing material		polyamide
Connection		Connector, M8, 4-poled