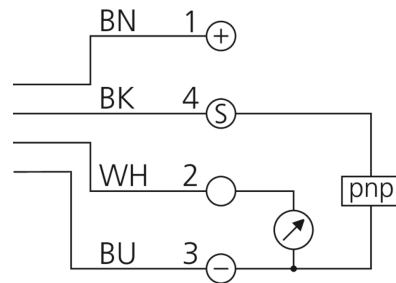
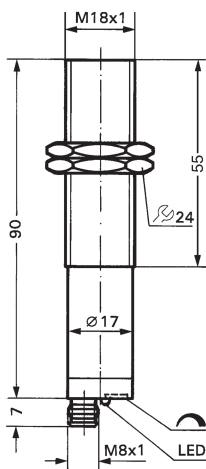




201788
US 18 V 1004 PSAIK-TSSL
Ultrasonic sensor

- Robust housing
- 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



1) LED
 2) Potentiometer

3) Width over flats 24 mm

BK: black

BN: brown

BU: blue

WH: white

Function



Technical data (typ.)

+20°C, 24 V DC

Service voltage	18 ... 33 V DC
No-load current (max.)	35 mA
Insulation voltage endurance	500 V
Thread	M18 x 1
Housing material	Stainless steel (V2A 1.4301 / AISI 304)
Protection class	III, operation on protective low voltage
Operating principle	Ultrasonic sensor
Evaluation	digital, analog
Design	Thread
Switching output	pnp, 100 mA, NO
Analog output	8.2 ... 0 V
Analog output linearity	< 1 % (Sn max.)
Load resistance	> 10000 Ω
Switching distance	180 ... 1000 mm
Switching hysteresis (max.)	30 ... 70 mm
Accuracy	< 2 % (Sn max.)
Ultrasonic frequency	180 kHz
Switching frequency	0.25 Hz (Messfrequenz)
Response time	240 ms
Ambient temperature during operation	-20 ... +50 °C



201788

US 18 V 1004 PSAIK-TSSL

Ultrasonic sensor

Technical data (typ.)

+20°C, 24 V DC

Temperature drift

4 mV/K (Air path), Analog output

Protection type

IP 67

Connection

Connector, M8, 4-pin

Connection cable

TK ... /4

More information / accessories

<https://www.di-soric.com/201788>