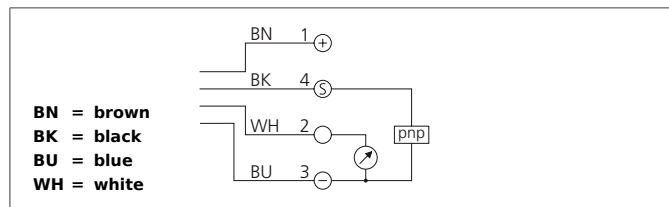


US 18 K 1003 PSAK-TSSL

Ultrasonic Sensor

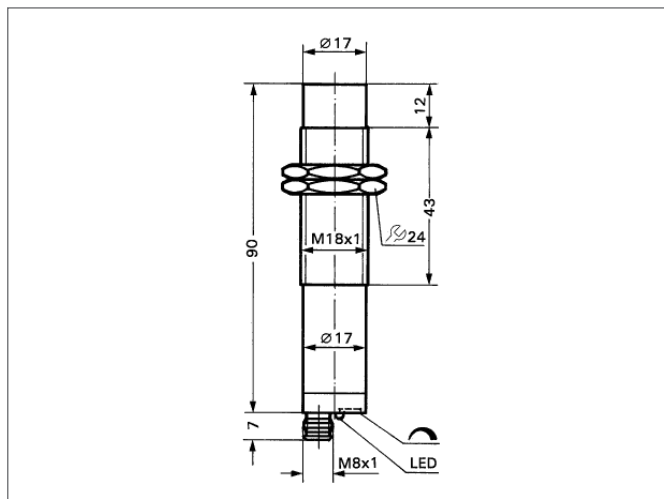
- Compact design
- Scanning range adjustable
- Insensitive to dirt
- Oil-resistant
- Insensitive to ambient noise
- Scanning does not depend on surface
- Switching output and analog output
- High follow-up speed
- High resolution
- Piezo-ceramic composite transducer



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.
Repair only by di-soric.



TECHNICAL INFORMATION		+20°C, 24V DC
Operating principle		Ultrasonic sensor
Size		M18 x 1 (Gewinde)
Design		screw
Service voltage		18 ... 33 V DC
Operating distance		180 ... 1.000 mm
Switching output		Transistor pnp, 100 mA, NO + analog
Analog output		1,6 ... 10 V
Tracking speed		400 ms (95% Sn max.)
Operating frequency		180.000 Hz
Ripple		100 mV
Linearity analog output		< 1 % / Sn max.
Internal power consumption		45 mA
Operating frequency		16 Hz, Measuring frequency
Accuracy		< 2 % / Sn max.
Response-/release time		< 70 ms
Switching hysteresis		30 ... 60 mm
Ambient temperature		-20 ... +50 °C
Temperature drift		-0,17 %/K (air path), +4 mV/K (analog output)
Load resistance		> 10.000 Ω
Insulation voltage endurance		500 V
Protection class		IP 67
Casing material		polyamide
Connection		Connector, M8, 4-poled