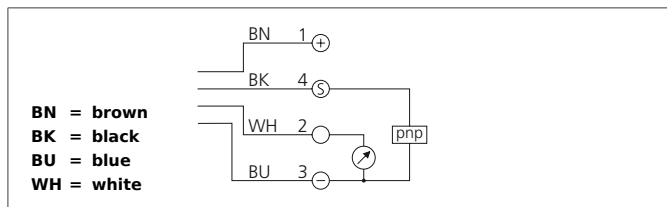


US 18 KR 1000 PSAIK-TSSL Ultrasonic Sensor

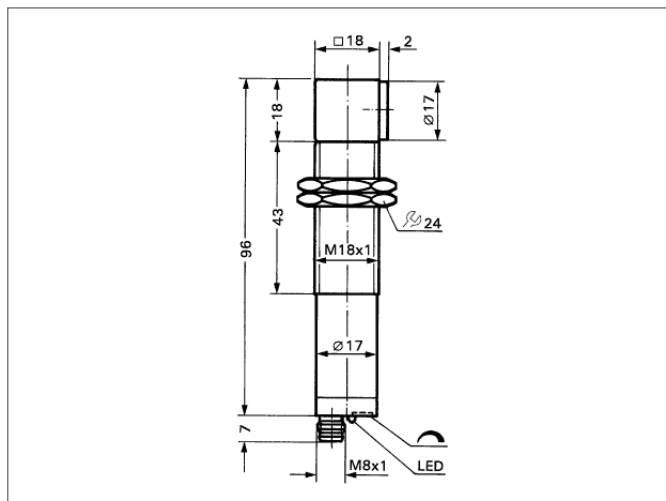
- Compact design
- Scanning range adjustable
- Insensitive to dirt
- Oil-resistant
- Insensitive to ambient noise
- Scanning does not depend on surface
- Switching output and analog output
- High follow-up speed
- High resolution
- Piezo-ceramic composite transducer



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	8,2 ... 0 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	35 mA
Operating frequency	7 Hz, Measuring frequency
Accuracy	< 2 % / Sn max.
Response-/release time	< 100 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