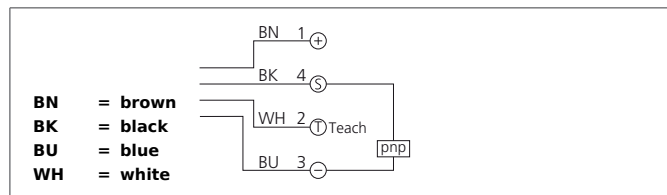


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Ultrasonic sensor



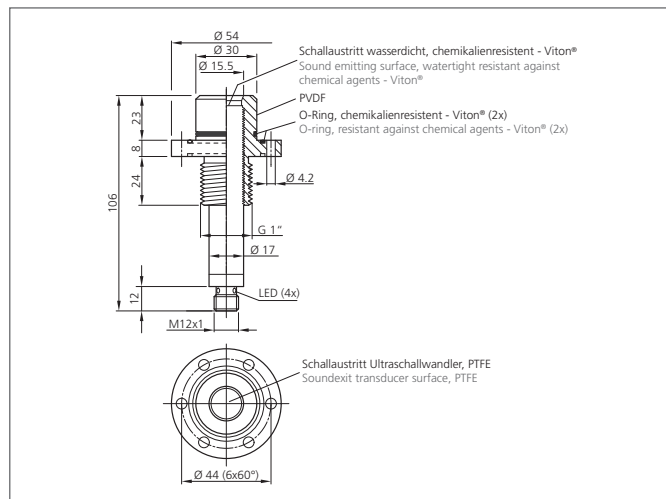
- Housing resistant against aggressive media and gases
- As a ultrasonic sensor or -barrier configurable
- Scanning range adjustable
- Insensitive to dirt
- Insensitive to ambient noise
- Scanning does not depend on surface
- High resolution



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, Ultrasonic barrier
Evaluation		digital
Design		screw
Sending axis		axial
Service voltage		11 ... 30 V DC
No-load current		45 mA
Operating distance		1500 mm
Adjustment range		120 ... 1500 mm
Resolution		0,5 mm
Sensitivity adjustment		Remote teach
Switching output		pnp, 100 mA, NO/NC
Switching hysteresis		2 mm, axial
Sound frequency		180 kHz
Ripple		10 %
Shock/vibration load		10 ... 55 Hz / 1,0 mm / 30 g
Switching frequency		5 Hz
Response-/release time		100 ms
Reproducibility		2 % / Sn max.
Ambient temperature, operation		0 ... +60 °C
Temperature drift		stabilized
Insulation voltage endurance		500 V
Protection class		IP 67
Casing material		PVDF / brass, nickel plated

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Ultrasonic sensor



TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Material		PTFE (Transducer enclosure)
Connection		Connector, M12, 4-poled
Scope of delivery		2 x Viton O-rings