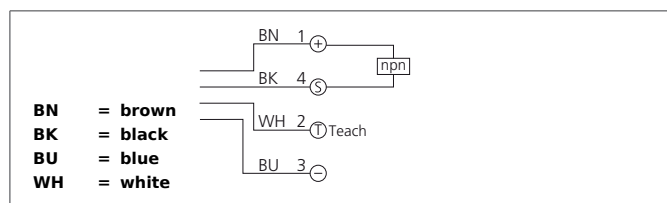


UST 18 MR 1500 N3-B4

Ultrasonic sensor

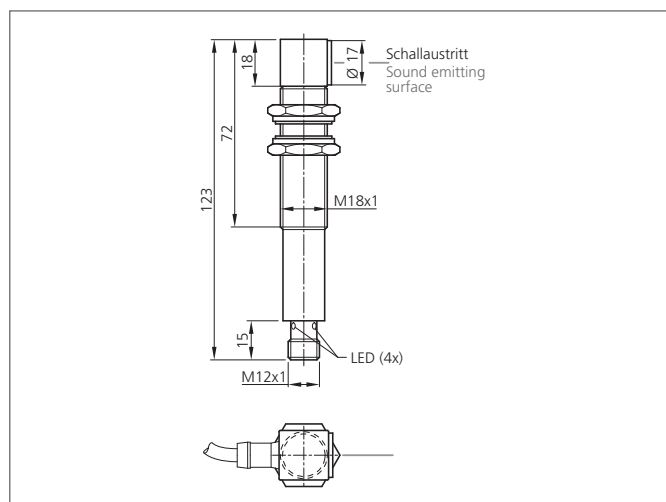


- As a ultrasonic sensor or -barrier configurable
- Scanning range adjustable
- Insensitive to dirt
- Insensitive to ambient noise
- Scanning does not depend on surface
- High resolution



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
Size		M18 x 1 (thread)
Design		screw
Sending axis		radial
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		nnp, 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

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Ultrasonic sensor



TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Casing material		brass nickel plated
Connection		Connector, M12 x 1, 4-poled
Scope of delivery		2 x M18 nuts, 2 x washers, 2 x rubber sleeves