

# US 46 K 500 PSLK Ultrasonic Sensor



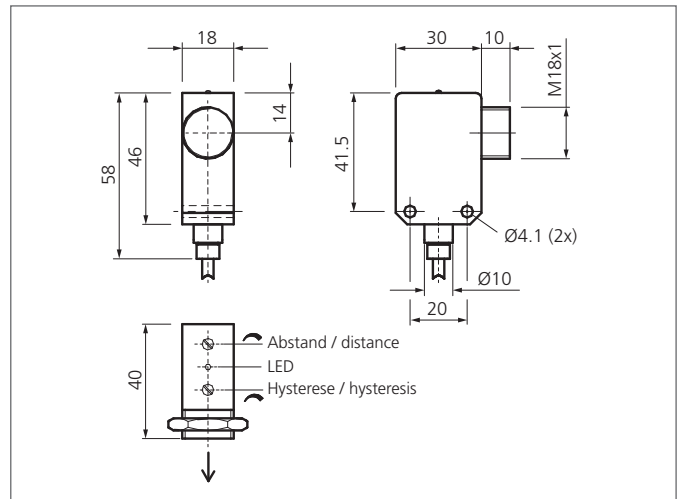
- Short blind zone
- Narrow scanning zone
- Oil-resistant
- No background effects
- Adjustable pulse stretching



## 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
Evaluation		digital
Size		46 x 30 x 18 mm (Dimensions)
Design		cuboid design
Service voltage		12 ... 28 V DC
No-load current		55 mA
Operating distance		120 ... 500 mm
Switching output		pnp, 100 mA, NO
Switching hysteresis		10 %
Sound frequency		175 kHz
Shock-/vibration load		10 ... 55 Hz / 1,0 mm / 30 g
Switching frequency		2 Hz
Response-/release time		10 ms / 400 ... 8.000 ms adjustable
Reproducibility		< 1 % / Sn max.
Ambient temperature, operation		-20 ... +50 °C
Temperature drift		-0,1 %/K (switching output), -0,17 %/K (air path)
Insulation voltage endurance		500 V
Protection class		IP 67
Casing material		stainless steel, plastics V2A (1.4301 / AISI 304), (Polyamide - PA)
Connection		Cable, 2,0 m