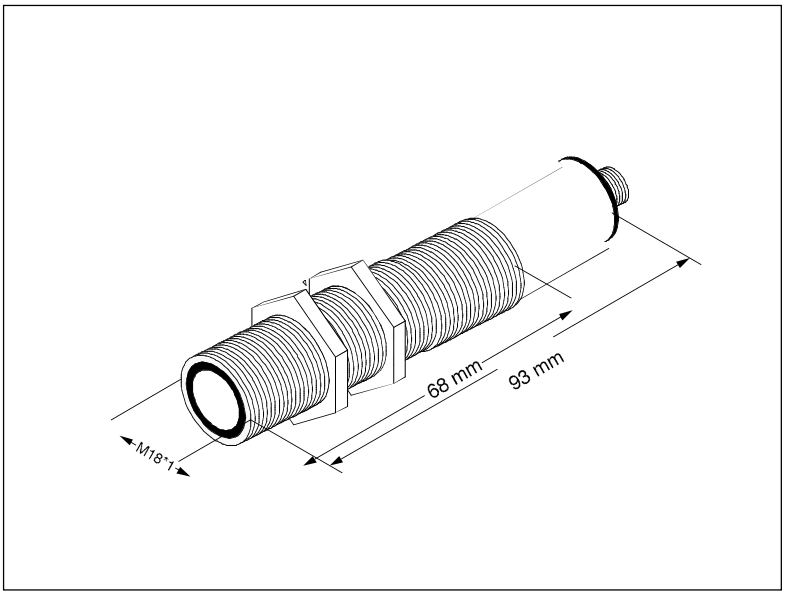
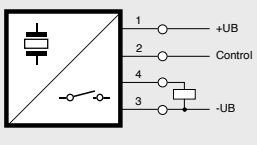


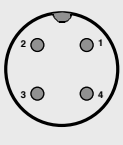
Manual
pico-ust 25/CD/S/HV/M18
pico-usv 25/CD/S/HV/M18

- **0,36 mm resolution**
- **measuring distance 30 - 350 mm**
- **Teach-In of detect point**
- **foreground and background suppression**
- **pnp switched output**
- **reverse polarity protection and short-circuit-proof**
- **high switching frequency**
- **M18 compact form**
- **Option stainless steel housing**

Technical details	
Blind zone	30 mm
Operating range	250 mm
Maximum range	350 mm
Transducer frequency	320 kHz
Resolution, sampling rate	0,36 mm
Reproducibility	± 0,15 %
Accuracy	Temperature drift 0,17 %/K
Operating voltage U_B	10 - 30 V DC, reverse polarity protection
Voltage ripple	±10 %
No-load supply current	30 mA
Housing	Brass sleeve, nickel-plated thread M18*1 [1)] Ultrasonic transducer: polyurethane foam, epoxy resin with glass content
Class of protection to EN60529	IP 65
Type of connection	4-pin M12 initiator plug
Controls	Control input
Indicators	none
Operating temperature	-20°C bis +70°C
Storage temperature	-40°C bis +85°C
Weight	80 g
Switched output	pnp, U_B-2 V, I_{max}= 500 mA, short-circuit-proof, NCC
Switching hysteresis	2 mm
Switching frequency	25 Hz
Response time	24 ms
Time delay before availability	< 300 ms

[1)]To order the stainless steel version please add the suffix **E** to the order no.





Proximity switch pico-ust 25/CD/S/HV/M18

An object should be positioned at the desired distance from the sensor and then pin 2 connected to the positive voltage supply +U_B for two seconds. The sensor measures the distance to the object and saves the value internally as its new detect point. The detect point is also retained after switching off power supply.

The detect point should be verified before mounting the sensor.

Two way reflective barrier sensor pico-usv 25/CD/S/HV/M18

Once the sensor and reflector have been mounted, the teach-in process is used to provide the distance to the reflector via control input. A window with a width of ±8% of the distance is then available symmetrically about the reflector.

CE 89/336/EWG

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