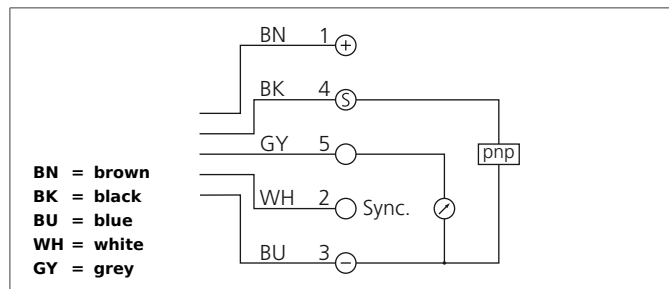


USC 30 M 1300 IO/10PSK-BSL

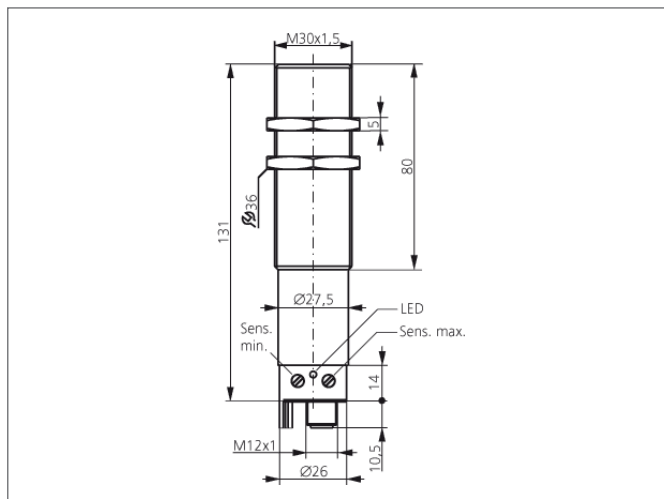
Ultrasonic Sensor

- Integrated temperature compensation
- Operating mode ultrasonic diffuser or ultrasonic barrier settable via PC sensor interface (not included)
- Switching output and analog output
- Synchronisation/release input
- Scanning range adjustable via potentiometer or PC sensor interface
- Insensitive to dirt and ambient noise
- Metal casing
- High protection class



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, Ultrasonic barrier
Size		M30 x 1,5 (Gewinde)
Design		screw
Standardized measuring plate		20 x 20 mm
Service voltage		12 ... 30 V DC
Operating distance		200 ... 1.300 mm
Adjustment range		220 ... 1.300 mm
Switching output		Transistor pnp, 300 mA, NO + analog
Analog output		0 ... 10 V, Load / < 2000 Ω
Operating frequency		200.000 Hz
Sensitivity adjustment		potentiometer
Internal power consumption		< 60 mA
Operating frequency		< 4 Hz
Accuracy		1,5 %
Response-/release time		0,12 s
Switching hysteresis		10 mm
Reproducibility		2 mm
Ambient temperature		-25 ... +70 °C
Insulation voltage endurance		500 V
Protection class		IP 65
Casing material		brass nickel plated
Material		PBTP (Crastin) (Transducer enclosure) epoxy resin (Transducer surface)

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Ultrasonic Sensor

TECHNICAL INFORMATION

Connection

+20°C, 24V DC

Connector, M12, 5-poled