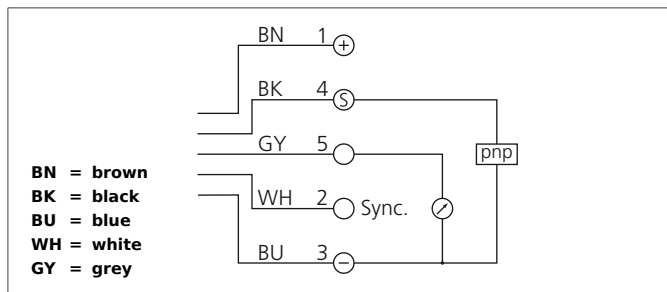


Ultrasonic Sensor

- 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

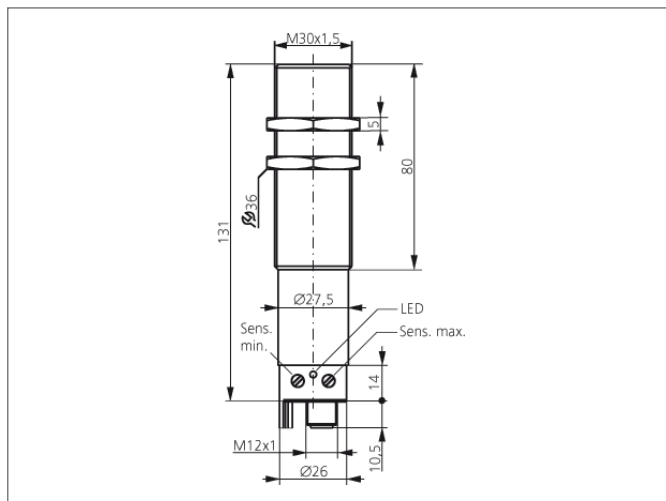


Safety instructions

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	4 ... 20 mA, Load / < 500 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)

USC 30 M 1300 I4/20PSK-BSL

Ultrasonic Sensor

TECHNICAL INFORMATION

Connection

+20°C, 24V DC

Connector, M12, 5-poled