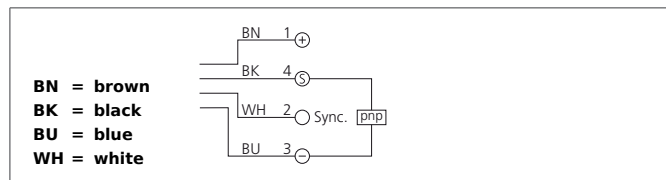


USC 18 M 1000 IPSK-IBSL

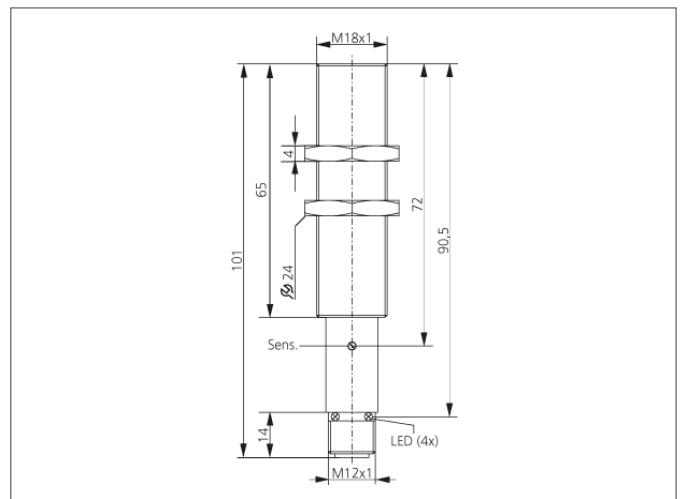
Ultrasonic Sensor

- Operating mode ultrasonic diffuser or ultrasonic barrier settable via PC sensor interface (not included)
- Switching output
- Synchronisation/release input
- Scanning range adjustable via potentiometer or PC sensor interface
- Insensitive to dirt and ambient noise
- Small blind zone
- 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		M18 x 1 (Gewinde)
Design		screw
Standardized measuring plate		20 x 20 mm
Service voltage		12 ... 30 V DC
Operating distance		150 ... 1.000 mm
Adjustment range		170 ... 1.000 mm
Switching output		Transistor pnp, 150 mA, NO
Operating frequency		200.000 Hz
Sensitivity adjustment		potentiometer
Internal power consumption		< 50 mA
Operating frequency		< 4 Hz
Response-/release time		0,12 s
Switching hysteresis		10 mm
Ambient temperature		-25 ... +70 °C
Insulation voltage endurance		500 V
Protection class		IP 67
Casing material		brass nickel plated
Material		PBTP (Crastin) (Transducer enclosure) epoxy resin (Transducer surface)
Connection		Connector, M12, 4-poled