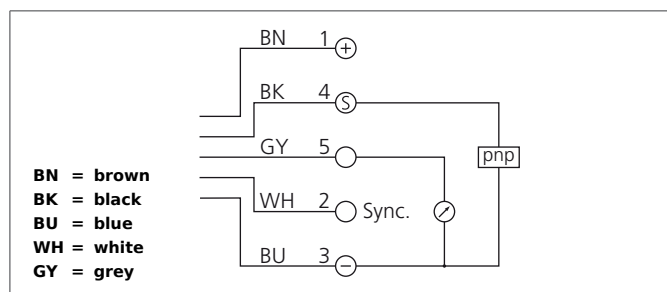
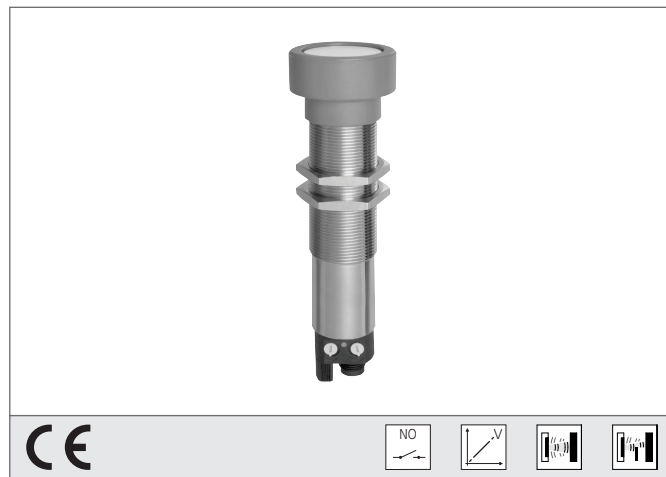


## USC 30 M 3000 IO/10PSK-BSL

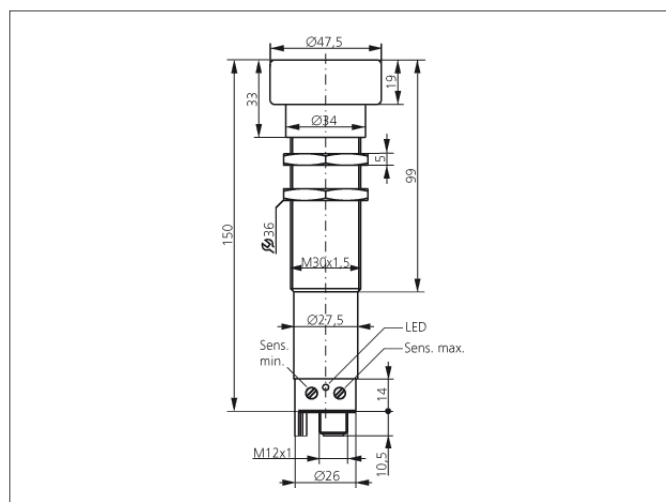
### Ultrasonic Sensor

- 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 |  | 50 x 50 mm                                                                |
| Service voltage              |  | 12 ... 30 V DC                                                            |
| Operating distance           |  | 400 ... 3.000 mm                                                          |
| Adjustment range             |  | 420 ... 3.000 mm                                                          |
| Switching output             |  | Transistor pnp, 300 mA, NO + analog                                       |
| Analog output                |  | 0 ... 10 V, Load / < 2000 Ω                                               |
| Operating frequency          |  | 120.000 Hz                                                                |
| Sensitivity adjustment       |  | potentiometer                                                             |
| Internal power consumption   |  | < 60 mA                                                                   |
| Operating frequency          |  | < 2 Hz                                                                    |
| Accuracy                     |  | 1,5 %                                                                     |
| Response-/release time       |  | 0,2 s                                                                     |
| Switching hysteresis         |  | 20 mm                                                                     |
| Reproducibility              |  | 5 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)<br>epoxy resin (Transducer surface) |

## **USC 30 M 3000 IO/10PSK-BSL**

### **Ultrasonic Sensor**

#### **TECHNICAL INFORMATION**

Connection

**+20°C, 24V DC**

Connector, M12, 5-poled