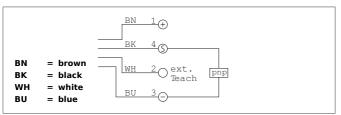
## USCTI 18 MR 200 FPSK-BSL Ultrasonic Sensor



- Ultrasonic diffuser
- Sound outlet radial
- Scanning range adjustable via teach input
- Insensitive to dirt and ambient noise due to a large functional reserve
- Small blind zone
- Metal casing
- Small design
- High protection class

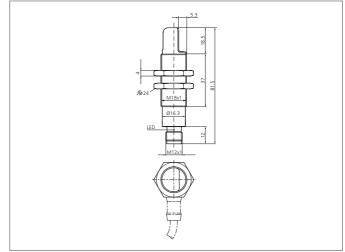




## **Safety instructions**

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.



| TECHNICAL INFORMATION (typ.)   | +20°C, 24V DC  |
|--------------------------------|--|
| Operating principle            | Ultrasonic sensor  |
|                                |  |
| Evaluation                     | digital  |
| Size                           | M18 x 1 (thread)   |
| Design                         | screw  |
| Standardized measuring plate   | 20 x 20 mm   |
| Service voltage                | 20 30 V DC   |
| No-load current                | < 20 mA  |
| Operating distance             | 30 200 mm  |
| Adjustment range               | 50 200 mm  |
| Sensitivity adjustment         | Remote teach   |
| Switching output               | pnp, 150 mA, NO  |
| Switching hysteresis           | 10 mm  |
| Sound frequency                | 400 kHz  |
| Shock-/vibration load          | 10 55 Hz / 1,0 mm / 30 g   |
| Switching frequency            | 10 Hz  |
| Response-/release time         | 50 ms  |
| Ambient temperature, operation | -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  |
|                                |  |