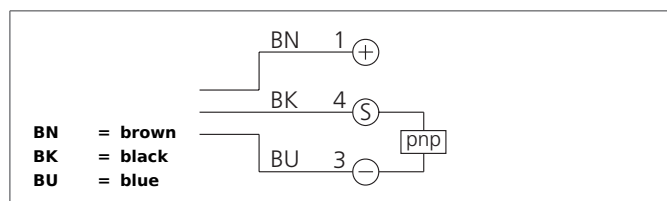


## US 46 K 150 PSLK Ultrasonic Sensor



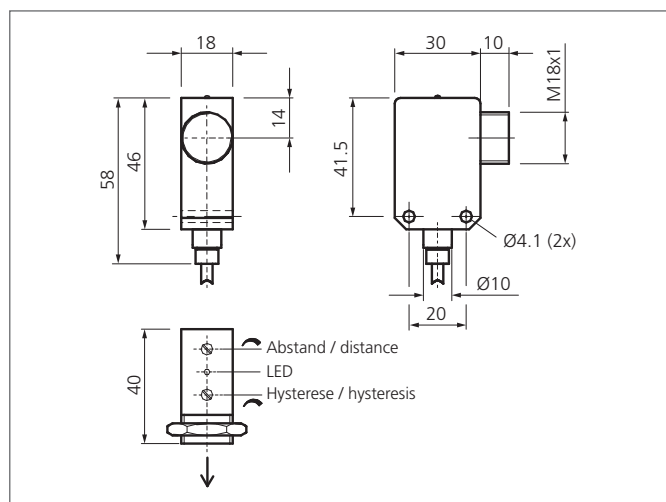
- Short blind zone
- Narrow scanning zone
- Oil-resistant
- No background effects
- Axial hysteresis adjustable



### 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                           |  | 46 x 30 x 18 mm (Dimensions)                                        |
| Design                         |  | cuboid design                                                       |
| Service voltage                |  | 12 ... 28 V DC                                                      |
| No-load current                |  | 45 mA                                                               |
| Operating distance             |  | 60 ... 150 mm                                                       |
| Switching output               |  | pnp, 100 mA, NO                                                     |
| Switching hysteresis           |  | 10 ... 40 %                                                         |
| Sound frequency                |  | 350 kHz                                                             |
| Shock/vibration load           |  | 10 ... 55 Hz / 1,0 mm / 30 g                                        |
| Switching frequency            |  | 15 Hz                                                               |
| Response-/release time         |  | 5,0 ms / 40 ms                                                      |
| Reproducibility                |  | < 1 % / Sn max.                                                     |
| Ambient temperature, operation |  | -20 ... +50 °C                                                      |
| Temperature drift              |  | -0,1 %/K (switching output), -0,17 %/K (air path)                   |
| Insulation voltage endurance   |  | 500 V                                                               |
| Protection class               |  | IP 67                                                               |
| Casing material                |  | stainless steel, plastics V2A (1.4301 / AISI 304), (Polyamide - PA) |
| Connection                     |  | Cable, 2,0 m                                                        |