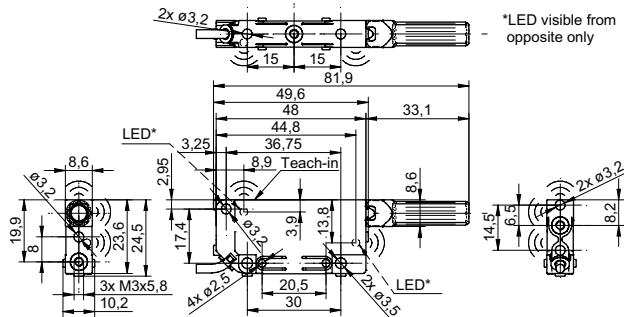


## Ultrasonic distance measuring sensors

**UNCK 09U6914/D1**

### dimension drawing



### general data

|                                |                                |
|--------------------------------|--------------------------------|
| scanning range sd              | 3 ... 150 mm                   |
| scanning range close limit Sdc | 3 ... 150 mm                   |
| scanning range far limit Sde   | 3 ... 150 mm                   |
| repeat accuracy                | < 0,5 mm                       |
| resolution                     | < 0,3 mm                       |
| response time ton              | < 35 ms                        |
| release time toff              | < 35 ms                        |
| temperature drift              | < 2 % of distance to target So |
| sonic frequency                | 380 kHz                        |
| adjustment                     | Teach-in                       |
| alignment aid                  | target indication flashing     |
| light indicator                | yellow LED / red LED           |

### electrical data

|                                    |                         |
|------------------------------------|-------------------------|
| voltage supply range +Vs           | 15 ... 30 VDC           |
| current consumption max. (no load) | 35 mA                   |
| output circuit                     | voltage output          |
| output signal                      | 0 ... 10 V / 10 ... 0 V |
| output current                     | < 15 mA                 |
| residual ripple                    | < 10 % Vs               |
| short circuit protection           | yes                     |
| reverse polarity protection        | yes                     |

### mechanical data

|                            |                         |
|----------------------------|-------------------------|
| type                       | rectangular             |
| housing material           | PA 12                   |
| material (beam columnator) | POM                     |
| width / diameter           | 8,6 mm                  |
| height / length            | 82 mm                   |
| depth                      | 24,5 mm                 |
| connection types           | cable PUR 4 x 0,08, 2 m |

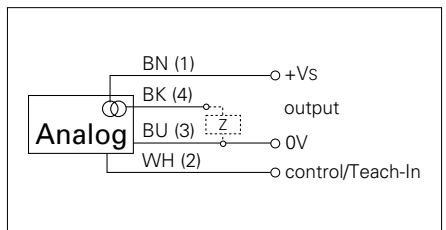
### ambient conditions

|                       |              |
|-----------------------|--------------|
| operating temperature | 0 ... +60 °C |
| protection class      | IP 67        |

### photo



### connection diagram



- Scanning range 3 ... 150 mm, measured from nozzle