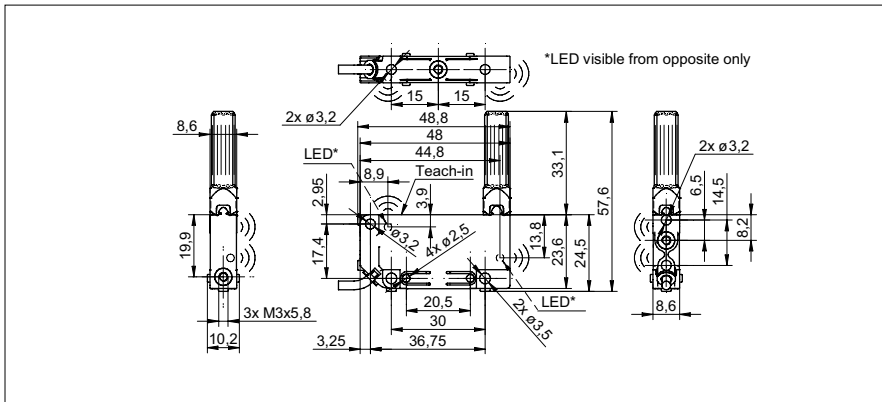


Ultrasonic proximity sensors

UNDK 09G8914/D1

dimension drawing



general data

|                              |                            |
|------------------------------|----------------------------|
| scanning range sd            | 3 ... 150 mm               |
| scanning range far limit Sde | 3 ... 150 mm               |
| hysteresis typ.              | 4 % Sde                    |
| repeat accuracy              | < 0,5 mm                   |
| temperature drift            | < 0,18 % Sde/K             |
| response time ton            | < 7 ms                     |
| release time toff            | < 7 ms                     |
| sonic frequency              | 380 kHz                    |
| adjustment                   | Teach-in                   |
| alignment aid                | target indication flashing |
| output indicator             | green LED / red LED        |

electrical data

|                                    |               |
|------------------------------------|---------------|
| voltage supply range +Vs           | 12 ... 30 VDC |
| current consumption max. (no load) | 35 mA         |
| output circuit                     | push-pull     |
| output current                     | < 100 mA      |
| voltage drop Vd                    | < 2 VDC       |
| residual ripple                    | < 10 % Vs     |
| short circuit protection           | yes           |
| reverse polarity protection        | yes           |

mechanical data

|                  |                         |
|------------------|-------------------------|
| type             | rectangular             |
| housing material | PA 12                   |
| width / diameter | 8,6 mm                  |
| height / length  | 48,8 mm                 |
| depth            | 57,7 mm                 |
| connection types | cable PUR 4 x 0,08, 2 m |

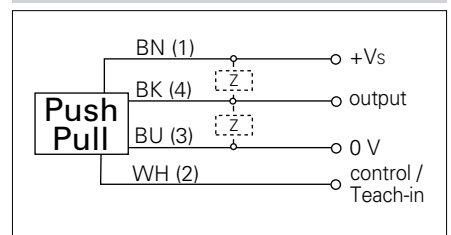
ambient conditions

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

photo



connection diagram



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