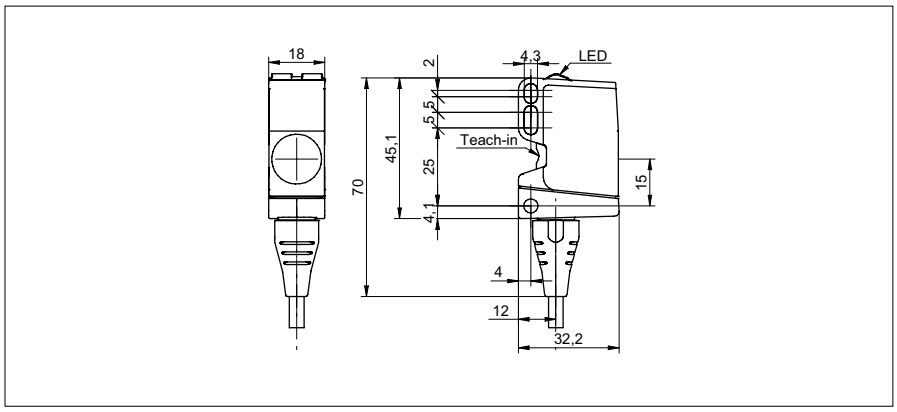
# Ultrasonic distance measuring sensors

# U500.DA0-11135757

## dimension drawing




| general data | |
|---|---|
| scanning range sd | 100 ... 1000 mm |
| scanning range close limit Sdc | 100 ... 1000 mm |
| scanning range far limit Sde | 100 ... 1000 mm |
| repeat accuracy | < 0,5 mm |
| resolution | < 0,3 mm |
| response time ton | < 80 ms |
| release time toff | < 80 ms |
| temperature drift | < 2 % of distance to target So |
| power-up drift | compensated after 15 min. |
| sonic frequency | 220 kHz |
| adjustment | qTeach |
| alignment aid | light indicator flashing |
| light indicator | LED yellow |
| power on indication | LED green |
| alignment measuring axis | < 2° |

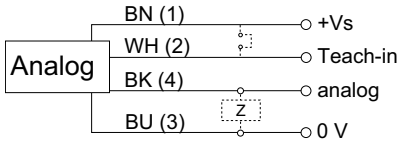
| electrical data | |
|---|---|
| voltage supply range +Vs | 12 ... 30 VDC |
| current consumption typ. | 38 mA |
| output circuit | current output |
| output signal | 4 ... 20 mA / 20 ... 4 mA |
| residual ripple | < 10 % Vs |
| short circuit protection | yes |
| reverse polarity protection | yes, Vs to GND |

| mechanical data | |
|---|---|
| type | rectangular |
| housing material | plastic (ASA, PMMA) |
| width / diameter | 18 mm |
| height / length | 45 mm |
| depth | 32 mm |
| connection types | cable PUR 4 x 0,25, 2 m |

## photo




## connection diagram



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| ambient conditions | |
|---|---|
| operating temperature | -25 ... +60 °C |
| storage temperature | -40 ... +75 °C |
| protection class | IP 67 |