

Ultrasonic distance measuring sensors

UNDK 30U9113/S14

dimension drawing



general data

| | |
|------------------------------|--------------------------------|
| scanning range Sd | 30 ... 250 mm |
| scanning range far limit Sde | 30 ... 250 mm |
| repeat accuracy | < 0,5 mm |
| resolution | < 0,3 mm |
| response time ton | < 50 ms |
| release time toff | < 50 ms |
| temperature drift | < 2 % of distance to target So |
| sonic frequency | 300 kHz |
| adjustment | potentiometer |
| alignment aid | target indication flashing |
| light indicator | LED green |

electrical data

| | |
|------------------------------------|----------------|
| voltage supply range +Vs | 15 ... 30 VDC |
| current consumption max. (no load) | 35 mA |
| output circuit | voltage output |
| output signal | 0 ... 10 VDC |
| output current | < 20 mA |
| residual ripple | < 10 % Vs |
| short circuit protection | yes |
| reverse polarity protection | yes |

mechanical data

| | |
|------------------|---------------------------|
| type | rectangular |
| housing material | polyester / die-cast zinc |
| width / diameter | 30 mm |
| height / length | 65 mm |
| depth | 31 mm |
| connection types | connector M12 |

ambient conditions

| | |
|-----------------------|----------------|
| operating temperature | -10 ... +60 °C |
| protection class | IP 67 |

photo



connection diagram



UL.eps

- Analog voltage output 0 - 10 V
- small blind range

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typical sonic cone profile

