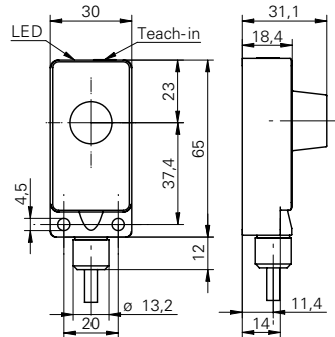


## Ultrasonic proximity sensors with analog output

### UNDK 30U6103

#### dimension drawing



#### general data

|                                |                                |
|--------------------------------|--------------------------------|
| sensing range sd               | 100 ... 1000 mm                |
| scanning range close limit Sdc | 100 ... 1000 mm                |
| scanning range far limit Sde   | 100 ... 1000 mm                |
| repeatability                  | < 0,5 mm                       |
| resolution                     | < 0,3 mm                       |
| adjustment                     | Teach-in                       |
| sonic frequency                | 240 kHz                        |
| response time ton              | < 80 ms                        |
| release time toff              | < 80 ms                        |
| alignment aid                  | target display flashing        |
| light indicator                | yellow LED / red LED           |
| temperature drift              | < 2 % of distance to target So |

#### electrical data

|                             |                         |
|-----------------------------|-------------------------|
| voltage supply range +Vs    | 15 ... 30 VDC           |
| current consumption max.    | 35 mA                   |
| output circuit              | voltage output          |
| output signal               | 0 ... 10 V / 10 ... 0 V |
| 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 | cable, 2 m                |

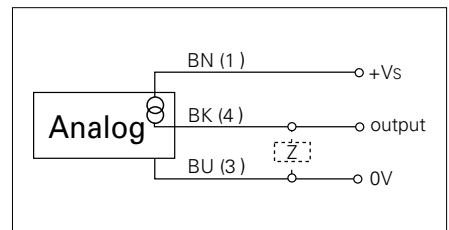
#### ambient conditions

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

#### photo



#### connection diagram



- Analog voltage output 0 - 10 V