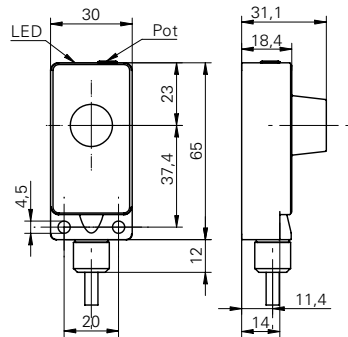


## Ultrasonic proximity sensors

## UNDK 30N1713

## dimension drawing



## general data

|                              |                         |
|------------------------------|-------------------------|
| sensing range sd             | 30 ... 250 mm           |
| scanning range far limit Sde | 30 ... 250 mm           |
| hysteresis typ.              | 4 % Sde                 |
| repeatability                | < 0,5 mm                |
| synchronization              | yes                     |
| multiplex version            | on request              |
| temperature drift            | < 0,18 % Sde/K          |
| adjustment                   | potentiometer           |
| response time ton (sync on)  | < 10 ms                 |
| release time toff (sync on)  | < 10 ms                 |
| alignment aid                | target display flashing |
| sonic frequency              | 300 kHz                 |
| output indicator             | LED green               |

## electrical data

|                             |                        |
|-----------------------------|------------------------|
| voltage supply range +Vs    | 12 ... 30 VDC          |
| current consumption max.    | 35 mA                  |
| output circuit              | NPN make function (NO) |
| output current              | < 200 mA               |
| voltage drop Vd             | < 2 VDC                |
| 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                |

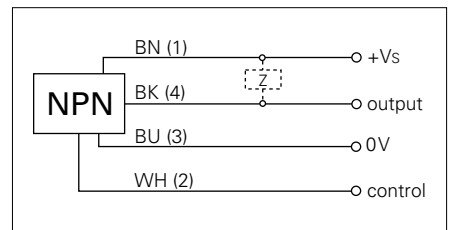
## ambient conditions

|                       |                |
|-----------------------|----------------|
| operating temperature | -25 ... +60 °C |
| protection class      | IP 67          |

## photo



## connection diagram



- small blind range