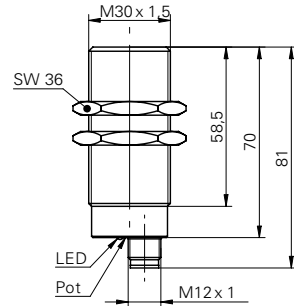


## Ultrasonic proximity sensors

## UNAM 30N1104/S14

## dimension drawing



## general data

|                              |                         |
|------------------------------|-------------------------|
| sensing range sd             | 200 ... 1500 mm         |
| scanning range far limit Sde | 200 ... 1500 mm         |
| hysteresis typ.              | 4 % Sde                 |
| repeatability                | < 1 mm                  |
| temperature drift            | < 0,18 % Sde/K          |
| adjustment                   | potentiometer           |
| response time ton            | < 100 ms                |
| release time toff            | < 100 ms                |
| alignment aid                | target display flashing |
| sonic frequency              | 200 kHz                 |
| output indicator             | LED green               |

## electrical data

|                             |                        |
|-----------------------------|------------------------|
| voltage supply range +Vs    | 12 ... 30 VDC          |
| current consumption max.    | 30 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             | cylindrical         |
| housing material | brass nickel plated |
| width / diameter | 30 mm               |
| height / length  | 70 mm               |
| connection types | connector M12       |

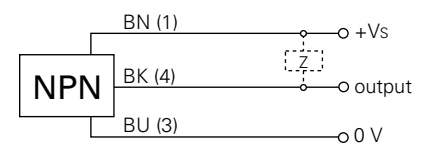
## ambient conditions

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

## photo



## connection diagram



- extended sensing distance