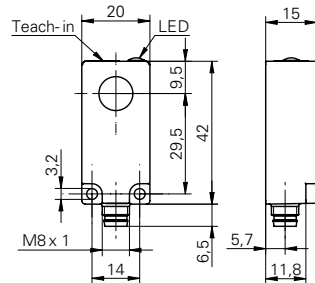


## Ultrasonic proximity sensors

## UNDK 20P6912/S35A

## dimension drawing



## general data

|                              |                         |
|------------------------------|-------------------------|
| sensing range sd             | 40 ... 400 mm           |
| scanning range far limit Sde | 60 ... 400 mm           |
| hysteresis typ.              | 4 % Sde                 |
| repeatability                | < 0,5 mm                |
| temperature drift            | < 0,18 % Sde/K          |
| adjustment                   | Teach-in                |
| response time ton            | < 25 ms                 |
| release time toff            | < 25 ms                 |
| alignment aid                | target display flashing |
| sonic frequency              | 290 kHz                 |
| output indicator             | LED green               |

## electrical data

|                             |                        |
|-----------------------------|------------------------|
| voltage supply range +Vs    | 12 ... 30 VDC          |
| current consumption max.    | 35 mA                  |
| output circuit              | PNP 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    |
| width / diameter | 20 mm        |
| height / length  | 42 mm        |
| depth            | 15 mm        |
| connection types | connector M8 |

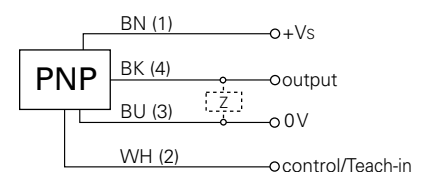
## ambient conditions

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

## photo



## connection diagram



- internal and external Teach-in
- compact housing