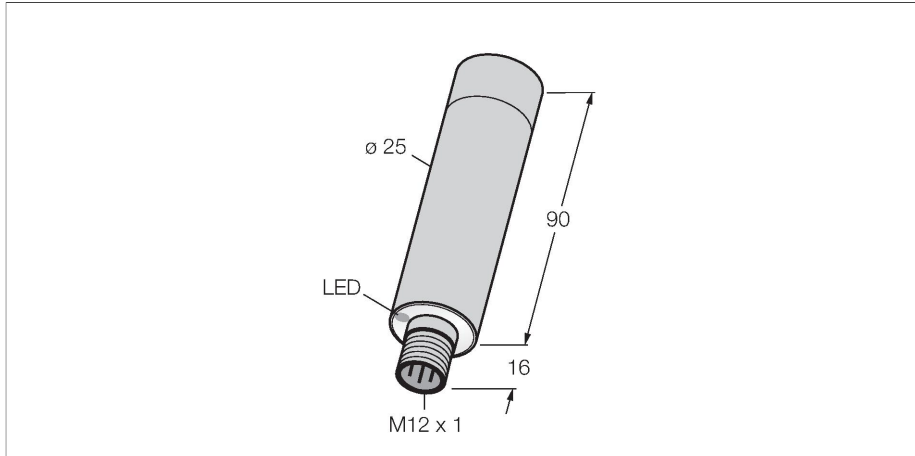


# M25UEQ8

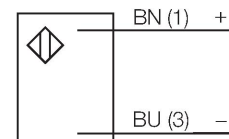
## Ultrasonic Sensor – emitter



### Features

- Sonic transducer face and sleeve made of V4A 1.4401 (AISI 316)
- Max. range 50 cm
- Protection class IP68 / IP69K, fully encapsulated with housing cover made of polysulphone
- Suitable for 200,000 cleaning cycles with water at 85°C for a duration of 15 min and subsequent fast cooling
- Operating voltage 10...30 VDC
- M12 × 1 male, 4-pin

### Wiring diagram



### Functional principle

Ultrasonic sensors detect a multitude of objects contactless and wear-free with ultrasonic waves. Regardless of whether the object is transparent or opaque, metallic or non-metallic, liquid, solid or powdery. Even environmental conditions such as spray, dust or rain hardly affect their function.

### Technical data

|                             |                          |
|-----------------------------|--------------------------|
| Type                        | M25UEQ8                  |
| ID                          | 3079745                  |
| <b>Ultrasonic data</b>      |                          |
| Function                    | Opposed mode sensor      |
| Range                       | 0...500 mm               |
| Ultrasound frequency        | 140 kHz                  |
| <b>Electrical data</b>      |                          |
| Operating voltage           | 10...30 VDC              |
| No-load current             | ≤ 87 mA                  |
| Response time typical       | < 3 ms                   |
| Readiness delay             | ≤ 250 ms                 |
| Short-circuit protection    | yes                      |
| Reverse polarity protection | Complete                 |
| Wire breakage protection    | yes                      |
| <b>Mechanical data</b>      |                          |
| Design                      | Tube, M25                |
| Radiation direction         | straight                 |
| Dimensions                  | Ø 25 x 106 mm            |
| Housing material            | Metal, Stainless steel   |
| Transducer material         | Metal, 1.4401 (AISI 316) |
| Electrical connection       | Connector, M12 × 1, PVC  |
| Ambient temperature         | -20...+70 °C             |
| Relative humidity           | 95 %                     |
| Protection class            | IP67<br>IP69             |
| Power-on indication         | LED, Green               |

