

M25U - Smooth barrel

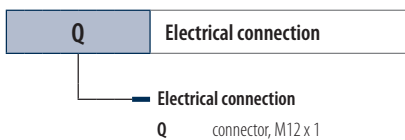
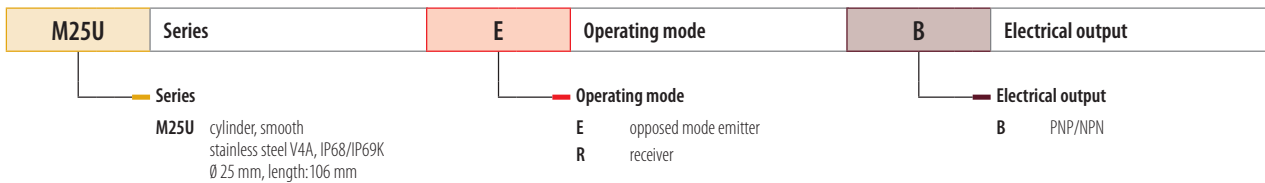
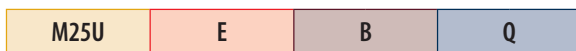


The M25U are fully encapsulated in stainless steel and are IP68/IP69K rated. This makes them ideally suited for tasks in aseptic applications of the food and beverage as well as the pharmaceutical industry. The ultrasonic opposed mode version incorporates emitter and receiver and achieves a max. range of 75 mm. The device is available with PNP/NPN switching output. Two sensitivities can be adjusted: Normal sensitivity, max. range 1m (for objects sizing Ø 30 mm and larger); high sensitivity, max. range 40 cm (for objects sizing Ø 15 mm and larger).

Features

- All-metal ultrasonic sensor M25U
- Hygienic design, smooth barrel, stainless steel, Ø 25 mm
- Opposed mode, emitter/receiver
- Max. range 75 mm
- Protection rating IP67 / IP69K
- Resistant to aggressive cleaning agents and disinfectants
- Designed for 200,000 cleaning cycles, 15 min, water +80 °C, rapid cool down
- PNP/NPN switching output
- High sensitivity for small objects (minimum size Ø 15 mm)

Type code M25U



M25 – Opposed mode sensor – Emitter



| | | | |
|----------------------------|------------------------------|------------------------------|--------------------|
| Type | M25UEQ | Electrical connection | connector, M12 x 1 |
| Operating voltage | 10...30 VDC | Ambient temperature | -20...+70 °C |
| Power-on, indicator | LED | Range | 0...50 cm |
| Dimensions | Ø25 x 106 mm | Ultrasound frequency | 140 kHz |
| Protection class | IP67 / IP69K | Wiring diagram | w068 |
| Housing material | metal, V4A 1.4401 (AISI 316) | Dimension drawing | d575 |

M25 – Opposed mode sensor – Receiver



| | | | |
|----------------------------|--------------|------------------------------|------------------------------|
| Type | M25URBQ | Housing material | metal, V4A 1.4401 (AISI 316) |
| Operating voltage | 10...30 VDC | Electrical connection | connector, M12 x 1 |
| Power-on, indicator | LED | Ambient temperature | -20...+70 °C |
| Output | —, pnp/npn | Range | 0...50 cm |
| Switching frequency | ≤ 250 Hz | Wiring diagram | w142 |
| Dimensions | Ø25 x 106 mm | Dimension drawing | d576 |
| Protection class | IP67 / IP69K | | |