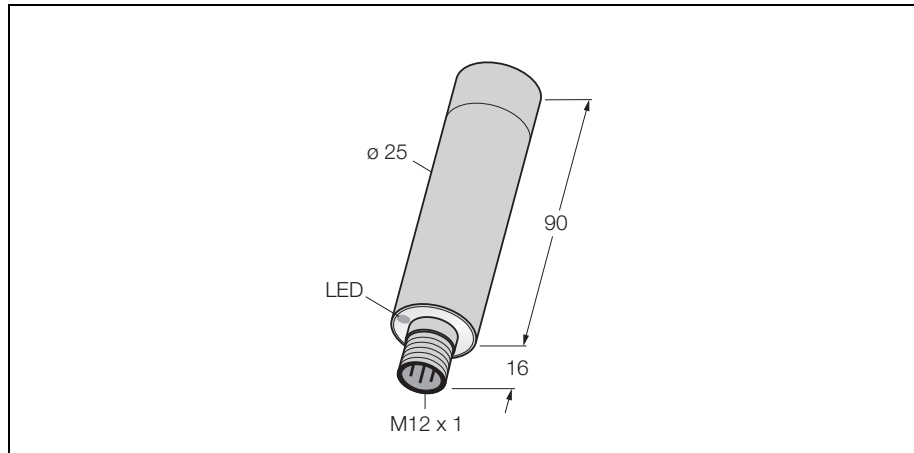


**ultrasonic sensor
emitter
M25UEQ**

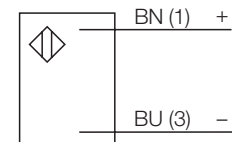
TURCK

Industrial
Automation



- Casing and sonic converter material in V4A 1.4401 (AISI 316)
- Max. sensing range 70 cm
- Degree of protection 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
- Connector M12X1, 4-pole

Wiring diagram



Functional principle

Ultrasonic sensors use ultrasonic waves for non-contact and wear-free detection of a large variety of objects. It does not matter whether the object is transparent or opaque, metallic or non-metallic, or of liquid, solid or powdery consistence. Environmental conditions such as spray, dust or rain hardly affect their function.

Type	M25UEQ
Ident-No.	3079745
Range	0... 70 cm
Ultrasound frequency	140 kHz
Ambient temperature	-20...+ 70 °C
Operating voltage	10... 30VDC
No-load current I_0	≤ 87 mA
Short-circuit protection	yes
Reverse polarity protection	complete
Wire breakage protection	yes
Housing	smooth barrel
Dimensions	106 mm
Housing diameter	25 mm
Housing material	metal, V4A 1.4401 (AISI 316)
Sonic converter material	metal, V4A 1.4401 (AISI 316)
Connection	Connectors, M12 x 1
Degree of protection	IP68 / IP69K
Operating voltage display	LED green