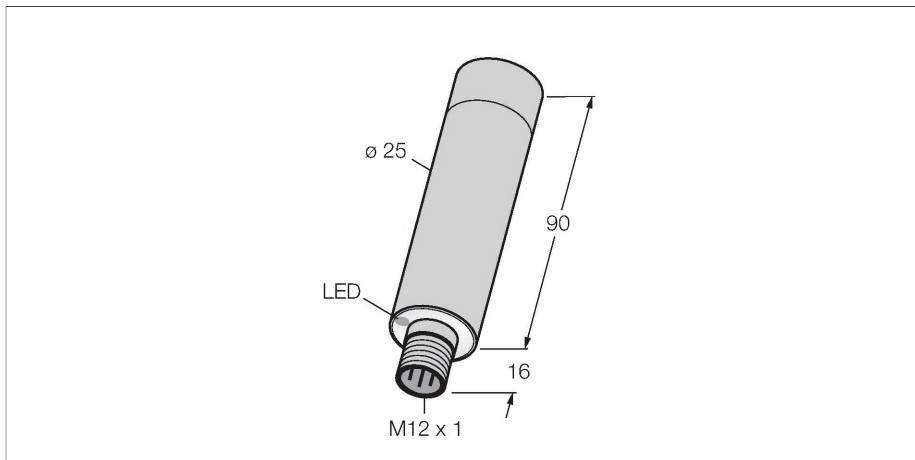


M25UEQ8

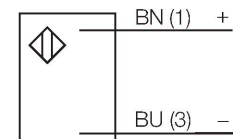
Ultrasonic Sensor – emitter



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 polysulfone
- 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.

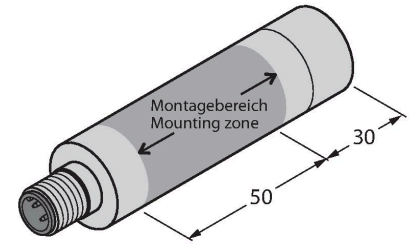
Technical data

Type	M25UEQ8
ID	3079745
Ultrasonic data	
Function	Opposed mode sensor
Range	0...500 mm
Ultrasound frequency	140 kHz
Electrical data	
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
Mechanical data	
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 IP69
Power-on indication	LED, Green

Technical data

Tests/approvals

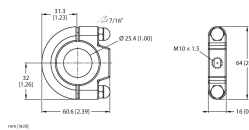
Approvals CE



Accessories

SMBM25A 3081589
 Mounting bracket, ceiling mount for M25U sensors, stainless steel, FDA conform

SMBM25B 3010370
 Mounting bracket, ceiling mount for M25U sensors, stainless steel, FDA conform



Accessories

Dimension drawing	Type	ID	
	MQDCWD-530	3010185	Connection cable, M12 female connector, straight, 4-pin, stainless steel coupling nut, cable length: 2 m, jacket material: TPE, gray; temperature range: -40...+105 °C
	RKH4.4-2/TFG	6933086	
	WKH4.4-2/TFG	6933093	Connection cable, M12 female connector, angled, 4-pin, stainless steel coupling nut, cable length: 2 m, jacket material: TPE, gray; temperature range: -40...+105 °C