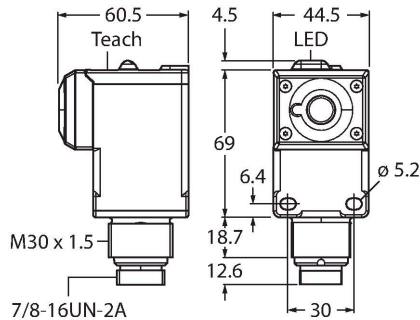


Q45ULIU64BCRQ

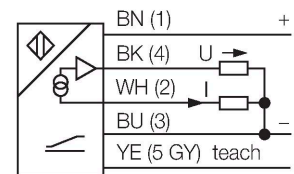
Ultrasonic Sensor – diffuse mode sensor With Analog Output



Features

- Measuring range adjustable via teach button or control line
- Response time, adjustable
- Analog output can be used for voltage or current
- Teach-in function
- Convertible output curves
- Aperture angle of sonic cone 12 °
- Blind zone: 25 cm
- Range: 300 cm

Wiring diagram

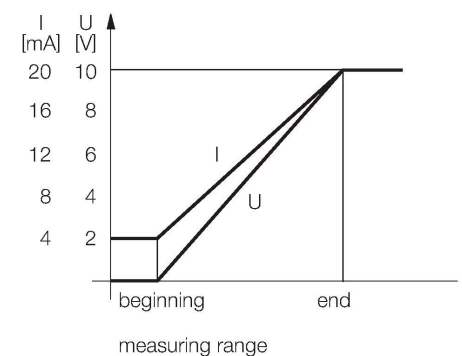


Technical data

Type	Q45ULIU64BCRQ
ID	3047557
Ultrasonic data	
Function	Proximity switch
Range	250...3000 mm
Ultrasound frequency	128 kHz
Repeatability	≤ ± 1 mm
Temperature drift	≤ 0.13 % of full scale/K
Electrical data	
Operating voltage	12...24 VDC
Load resistance	≤ 500 Ω
Response time typical	< 80 ms
Output function	Analog output
Current output	4...20 mA
Voltage output	0...10 V
Short-circuit protection	yes / Cyclic
Reverse polarity protection	Complete
Mechanical data	
Design	Rectangular, Q45
Radiation direction	straight
Dimensions	79.4 x 44.5 x 102.6 mm
Housing material	Plastic, PBT
Transducer material	Plastic, Epoxyd resin and PU foam
Electrical connection	Connector, 7/8", PVC
Ambient temperature	-25...+70 °C

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.



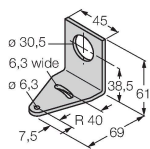
Technical data

Relative humidity	100 %
Protection class	IP67
Object detected	LED, Yellow
Tests/approvals	
MTTF	50 years acc. to SN 29500 (Ed. 99) 40 °C
Approvals	CE

Accessories

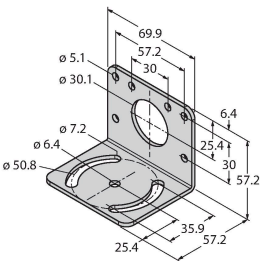
SMB30A	3032723
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Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread



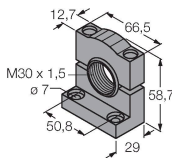
SMB30MM	3027162
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Mounting bracket, rectangular, stainless steel, for sensors with 30 mm thread, wide holes for accurate alignment



SMB30SC	3052521
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Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable



Accessories

Dimension drawing	Type	ID
	MBCC2-506	3061393