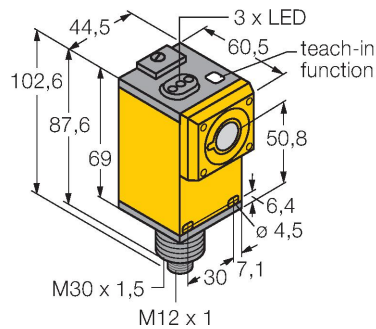


Q45ULIU64ACRQ6

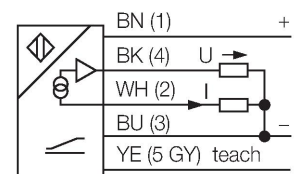
Ultrasonic Sensor – diffuse mode sensor With Analog Output



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 15 °
- Blind zone: 10 cm
- Range: 140 cm

Wiring diagram

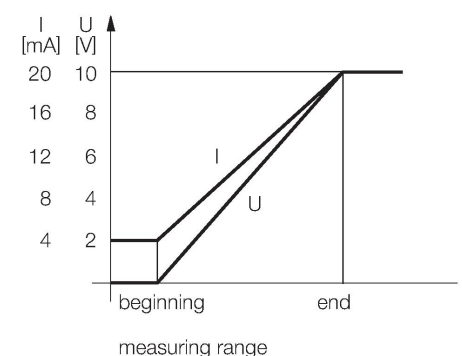


Technical data

Type	Q45ULIU64ACRQ6
ID	3047554
Ultrasonic data	
Function	Proximity switch
Range	100...1400 mm
Ultrasound frequency	230 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	< 40 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	60.5 x 44.5 x 102.6 mm
Housing material	Plastic, PBT
Transducer material	Plastic, Epoxyd resin and PU foam
Electrical connection	Connector, M12 × 1, 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.



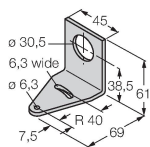
Technical data

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

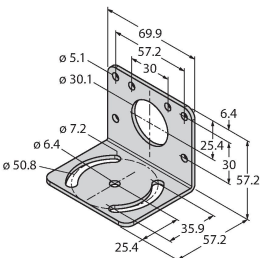
SMB30A	3032723
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Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread



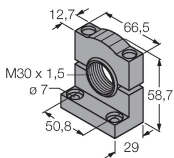
SMB30MM	3027162
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Mounting bracket, rectangular, stainless steel, for sensors with 30 mm thread, wide holes for accurate alignment



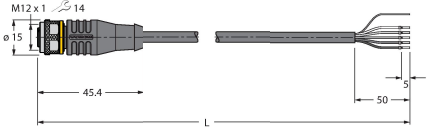
SMB30SC	3052521
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Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable



Accessories

Dimension drawing	Type	ID	
	RKC4.5T-2/TEL	6625016	Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
	WKC4.5T-2/TEL	6625028	Connection cable, M12 female connector, angled, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval

Dimension drawing	Type	ID	
	RKS4.5T-2/TEL	6626361	Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; shielded; cULus approval
	WKS4.5T-2/TEL	6626364	Connection cable, M12 female connector, angled, 5-pin, cable length: 2 m, jacket material: PVC, black; shielded; cULus approval