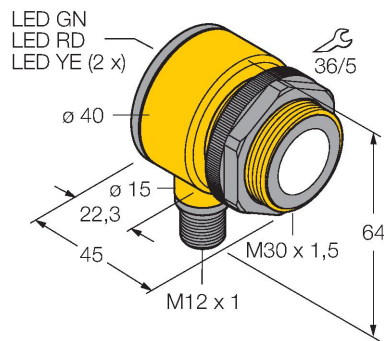


T30UXIBQ8

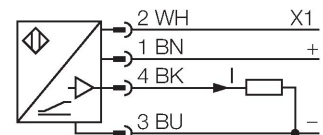
Ultrasonic Sensor – diffuse mode sensor With Analog Output



Features

- Compact design
- Cable with male end M12 x 1, 4-pin
- Analog output 4...20 mA
- Response time adjustable
- Integrated temperature compensation
- Measuring range adjustable via teach-in
- Blind zone: 20 cm
- Range: 200 cm

Wiring diagram



Functional principle

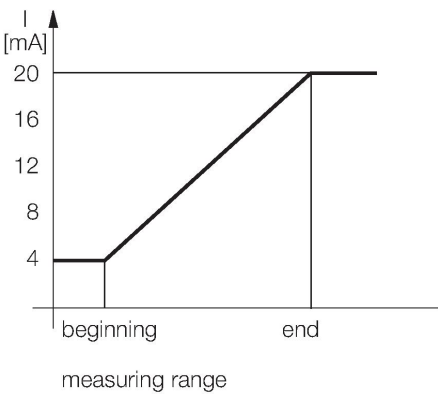
Ultrasonic sensors detect a multitude of objects contactless and wear-free with ultrasonic waves. Regardless of whether the object is transparent or opaque, metallic or non-metallic, liquid, solid or powdery. Even environmental conditions such as spray, dust or rain hardly affect their function.

Technical data

Type	T30UXIBQ8
ID	3080486
Ultrasonic data	
Function	Proximity switch
Range	200...2000 mm
Ultrasound frequency	174 kHz
Repeatability	≤ ± 1 mm
Temperature drift	≤ 0.02 % of full scale/K
Edge lengths of the nominal actuator	100 mm
Electrical data	
Operating voltage	10...30 VDC
Load resistance	≤ 1000 Ω
Response time typical	< 92 ms
Readiness delay	≤ 500 ms
Output function	Analog output
Current output	4...20 mA
Hysteresis	≤ 3 mm
Short-circuit protection	yes / Cyclic
Reverse polarity protection	Complete
Wire breakage protection	yes
Mechanical data	
Design	Tube, T30U
Radiation direction	straight
Dimensions	Ø 40 x 45 mm
Housing material	Plastic, PBT

Technical data

Transducer material	Plastic, Epoxyd resin and PU foam
Electrical connection	Connector, M12 × 1, PVC
Ambient temperature	-40...+70 °C
Relative humidity	95 %
Protection class	IP67
Power-on indication	LED
Object detected	LED, Red
Tests/approvals	
Approvals	CE, cULus listed



Accessories

SMB30A3032723

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

Technical drawing of the SMB30A mounting bracket. Dimensions shown: 45, 6.3, 6.3, 33.5, 61, 7.5, R 40, 69, 30.5.

SMB30FAM103011185

Mounting bracket, stainless steel, for M10 x 1.5 thread, thread length 30 mm

Technical drawing of the SMB30FAM10 mounting bracket. Dimensions shown: 78.4, 60.3, 18, 4, 19, 75, 61.6, 48, 30.1, M10.

SMB30SC3052521

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

Technical drawing of the SMB30SC mounting bracket. Dimensions shown: 12.7, 66.5, 58.7, 29, 50.8, 7, M30 x 1.5.

Accessories

Dimension drawing	Type	ID	
Technical drawing of the RKC4.4T-2/TEL cable. Dimensions shown: 11.5, 42, 50, 15, 14.	RKC4.4T-2/TEL	6625013	Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
Technical drawing of the WKC4.4T-2/TEL cable. Dimensions shown: 26.5, 32, 50, 15, 14.	WKC4.4T-2/TEL	6625025	Connection cable, M12 female connector, angled, 4-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