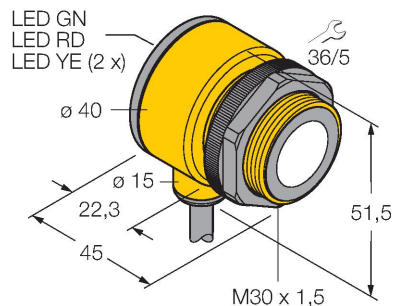


T30UHPA

Ultrasonic Sensor – diffuse mode sensor

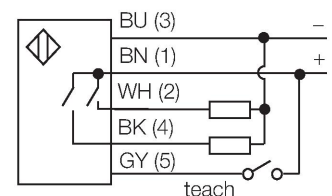
With Switching Outputs



Features

- Compact design
- Cable, 2 m
- Operating voltage 12...24 VDC
- Two PNP transistor outputs
- Two independent switching ranges adjustable via button or control line
- Blind zone: 15 cm
- Range: 100 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	T30UHPA
ID	3056888
Ultrasonic data	
Function	Proximity switch
Range	150...1000 mm
Ultrasound frequency	228 kHz
Repeatability	≤ ± 0.375 mm
Temperature drift	≤ 0.17 % of full scale/K
Electrical data	
Operating voltage	12...24 VDC
Response time typical	< 48 ms
Output function	2 normally open contact, PNP
Switching frequency	≤ 20 Hz
Hysteresis	≤ 2.5 mm
Mechanical data	
Design	Tube, T30U
Radiation direction	straight
Dimensions	Ø 40 x 45 mm
Housing material	Plastic, PBT
Transducer material	Plastic, Epoxyd resin and PU foam
Electrical connection	Cable, 2 m, PVC
Ambient temperature	-20...+70 °C
Relative humidity	100 %
Protection class	IP67
Power-on indication	LED

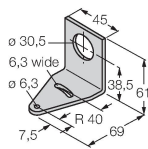
Technical data

Switching state	LED, Yellow
Object detected	LED
Tests/approvals	
MTTF	246 years acc. to SN 29500 (Ed. 99) 40 °C
Approvals	CE

Accessories

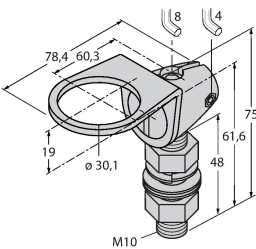
SMB30A 3032723

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



SMB30FAM10 3011185

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



SMB30SC 3052521

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

