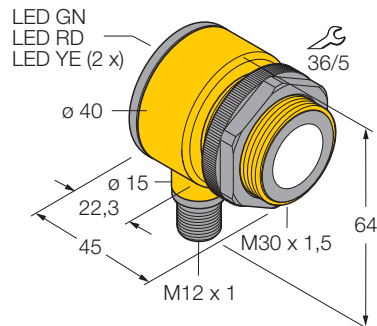


ultrasonic sensor
diffuse mode sensor
T30UXIAQ8

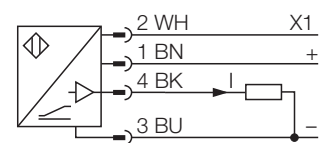
TURCK

Industrial
Automation



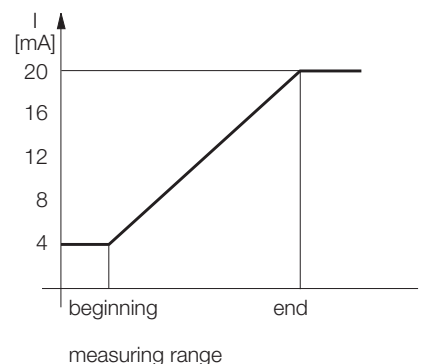
- compact housing style
- M12 x 1 male connection, 4-pole
- Analog output 4..20 mA
- Response time adjustable
- Integrated temperature compensation
- Measuring range adjustable via teach-in

Wiring diagram



Functional principle

Ultrasonic sensors use ultrasonic waves for non-contact and wear-free detection of many objects. Regardless of whether the object is transparent or opaque, metallic or non-metallic, or of liquid, solid or powdery consistency. Even environmental conditions such as spray, dust or rain hardly affect their function.



Type	T30UXIAQ8
Ident-No.	3080481
Range	10... 100 cm
Ultrasound frequency	224 kHz
Temperature drift	≤ 0.02% / K
Repeatability	≥ ± 0.5 mm
Edge lengths of the nominal actuator	100 mm
Hysteresis	≤ 2 mm
Ambient temperature	-40...+ 70°C
Operating voltage	10... 30 VDC
current output	4... 20 mA
Load resistance	≤ 1000 Ω
Short-circuit protection	yes / cyclic
Reverse polarity protection	complete
Wire breakage protection	yes
Housing	cylindrical/threaded, T30U
Dimensions	45mm
Housing diameter	Ø 40mm
Thread length	22 mm
Housing material	Plastic, Polyester
Electrical connection	Connectors, M12 x 1
Protection class	IP67
Display 'Object detected'	LED red