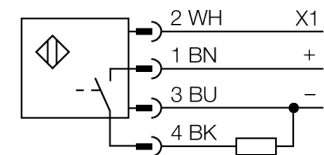


**Ultrasonic sensor
diffuse mode sensor
T30UXDBQ8**


- Compact design
- Cable with male end M12 x 1, 4-pin
- Switching output, PNP/NPN adjustable
- NO/NC adjustable
- Integrated temperature compensation
- Switching range adjustable via button or control line

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.

Type code T30UXDBQ8
Ident no. 3080058

Design cylindrical/threaded, T30U
Dimensions Ø40 x 45 mm
Housing material plastic, Polyester
Connection male, M12 x 1
Protection class IP67
Ambient temperature -40...+70 °C

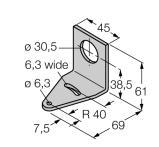
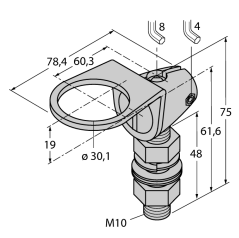
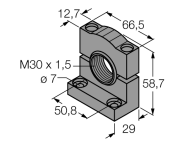
Power-on indication LED

Operating voltage 10...30VDC
Response time 92 ms
Output function NO contact, PNP
Switching frequency 5 Hz
Hysteresis ≤ 3 mm
Short-circuit protection yes/ cyclic
Reverse polarity protection complete
Wire breakage protection yes

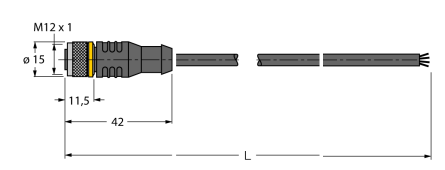
Operating mode diffuse mode ultrasonic sensor
Range 20...200 cm
Ultrasound frequency 174 kHz
Repeatability ≥ ± 1 mm
Edge lengths of the nominal actuator 100 mm

**Ultrasonic sensor
diffuse mode sensor
T30UXDBQ8**

Accessories

Type code	Ident no.	Description	Dimension drawing
SMB30A	3032723	Mounting bracket, stainless steel, for sensors with 30 mm thread	
SMB30FAM10	3011185	Mounting bracket, stainless steel, for M10 x 1.5 thread, thread length 30 mm	
SMB30SC	3052521	Mounting bracket, PBT black; for 30 mm thread; with 4 screws M5 x 0.8	

Wiring accessories

Type code	Ident no.	Description	Dimension drawing
RKC4.4T-2/TEL	6625013	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	
WKC4.4T-2/TEL	6625025	Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	