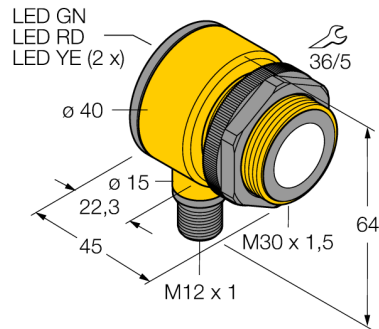


ultrasonic sensor
diffuse mode sensor
T30UXDBQ8

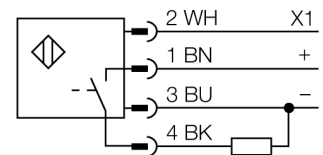
TURCK

Industrial
Automation



- compact housing style
- M12 x 1 male connection, 4-pole
- 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 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	T30UXDBQ8
Ident-No.	3080058
Design	cylindrical/threaded, T30U
Dimensions	Ø40x 45 mm
Housing material	Plastic, Polyester
Connection	male, M12 x 1
Protection class	IP67
Ambient temperature	-40...+70 °C
Operating voltage	LED
Operating voltage	10...30VDC
Output function	NO contact, PNP
Switching frequency	5 Hz
Short-circuit protection	yes/ cyclic
Reverse polarity protection	complete
Wire breakage protection	yes
Range	20...200 cm
Ultrasound frequency	174 kHz
Repeatability	≥ ± 1 mm
Hysteresis	≤ 3 mm

ultrasonic sensor
diffuse mode sensor
T30UXDBQ8



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	