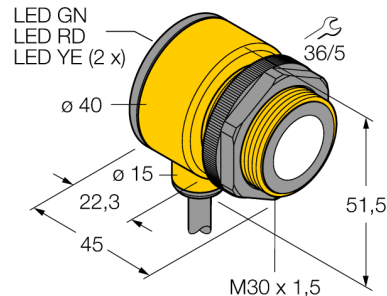


ultrasonic sensor
diffuse mode sensor
T30UXIB

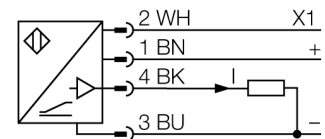
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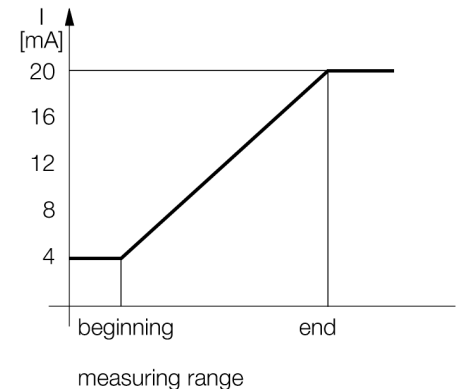
- compact housing style
- 4-pole cable, 2m
- Analog output 4..20 mA
- Response time adjustable
- Integrated temperature compensation
- Measuring range adjustable via teach-in

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.



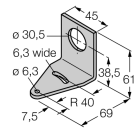
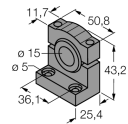
Type code	T30UXIB
Ident no.	3080484
Design	cylindrical/threaded, T30U
Dimensions	Ø40x 45 mm
Housing material	Plastic, Polyester
Connection	cable, 2
Protection class	IP67
Ambient temperature	-40...+70 °C
Operating voltage	LED
Operating voltage	10...30VDC
Load resistance	≤ 1000 Ω
Response time	92 ms
Current output	4...20mA
Hysteresis	≤ 3 mm
Short-circuit protection	yes/ cyclic
Reverse polarity protection	complete
Wire breakage protection	yes
Range	20...200 cm
Ultrasound frequency	174 kHz
Repeatability	≥ ± 1 mm
Edge lengths of the nominal actuator	100 mm

ultrasonic sensor
diffuse mode sensor
T30UXIB

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Accessories

Type code	Ident no.	Description	Dimension drawing
SMB30A	3032723	Mounting bracket, stainless steel, for sensors with 30 mm thread	
SMB1815SF	3053279	Mounting bracket, PBT black, for PICO-GUARD points	
SMB30FAM10	3011185	Mounting bracket, stainless steel, for M10 x 1.5 thread, thread length 30 mm	