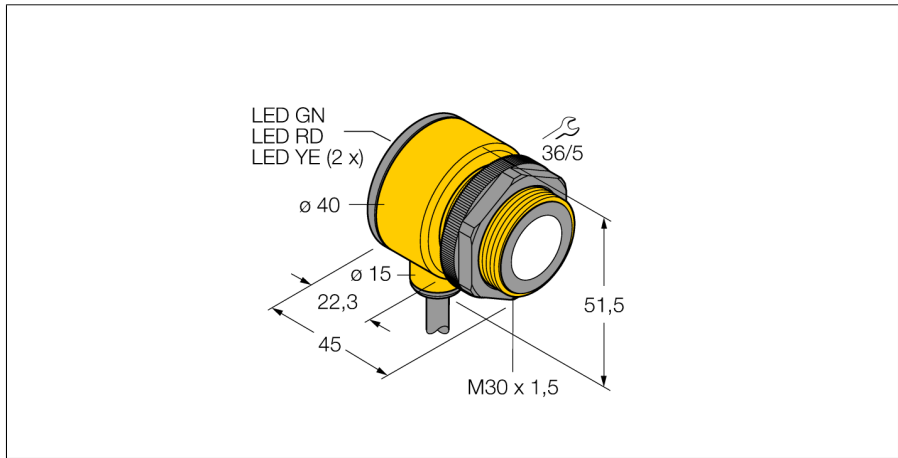
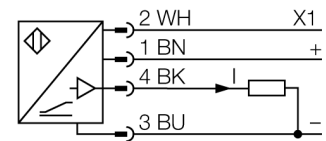


**Ultrasonic sensor  
diffuse mode sensor  
T30UXIB**



- Compact design
- Cable, 4-pin, 2 m
- Analog output 4...20 mA
- Response time adjustable
- Integrated temperature compensation
- Measuring range adjustable via teach-in

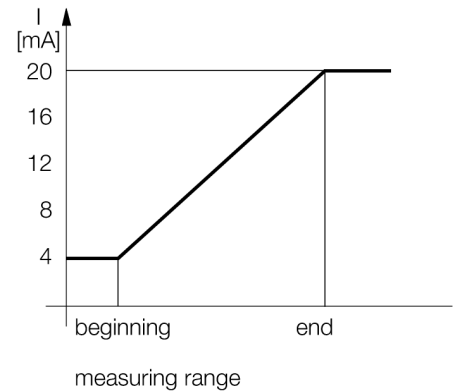
**Wiring diagram**



<b>Type code</b>	T30UXIB
Ident no.	3080484
<b>Design</b>	cylindrical/threaded, T30U
Dimensions	Ø40 x 45 mm
Housing material	plastic, Polyester
Connection	cable, 2
Protection class	IP67
Ambient temperature	-40...+70 °C
<b>Power-on indication</b>	LED
<b>Operating voltage</b>	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
<b>Operating mode</b>	diffuse mode ultrasonic sensor
Range	20...200 cm
Ultrasound frequency	174 kHz
Repeatability	≥ ± 1 mm
Edge lengths of the nominal actuator	100 mm

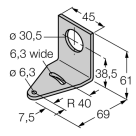
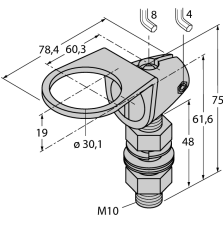
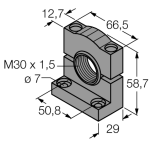
**Functional principle**

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.



**Ultrasonic sensor  
diffuse mode sensor  
T30UXIB**

**Accessories**

Type code	Ident no.	Description	Dimension drawing
SMB30A	3032723	Mounting bracket, stainless steel, for sensors with 30 mm thread	 <p>Technical drawing of the SMB30A mounting bracket. Dimensions include: top width 45, hole diameter <math>\varnothing 30,5</math>, hole width 6,3, hole diameter <math>\varnothing 6,3</math>, hole offset 38,5, hole offset 61, bottom width 7,5, and radius R 40.</p>
SMB30FAM10	3011185	Mounting bracket, stainless steel, for M10 x 1.5 thread, thread length 30 mm	 <p>Technical drawing of the SMB30FAM10 mounting bracket. Dimensions include: top width 78,4, hole diameter <math>\varnothing 60,3</math>, hole offset 19, hole diameter <math>\varnothing 30,1</math>, hole offset 61,6, hole offset 48, and thread M10.</p>
SMB30SC	3052521	Mounting bracket, PBT black; for 30 mm thread; with 4 screws M5 x 0.8	 <p>Technical drawing of the SMB30SC mounting bracket. Dimensions include: top width 12,7, hole diameter <math>\varnothing 66,5</math>, hole diameter <math>\varnothing 7</math>, hole offset 50,8, hole offset 58,7, and hole offset 29.</p>