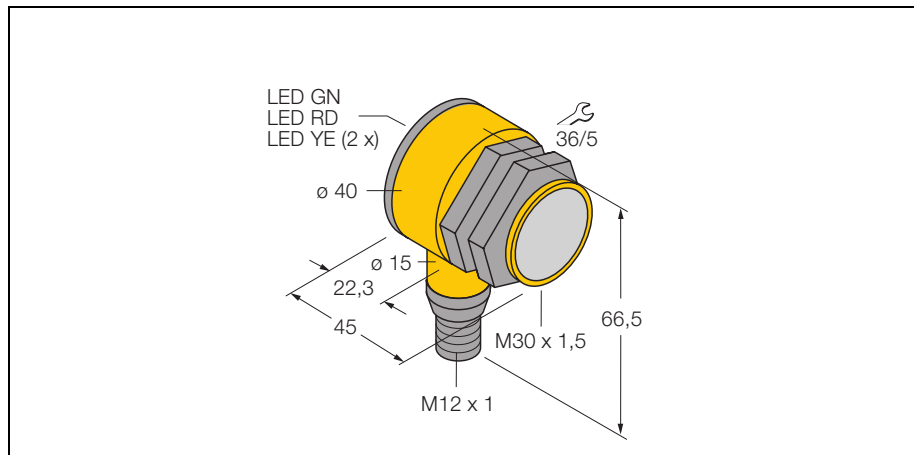


**ultrasonic sensor  
diffuse mode sensor  
T30UDPBQ**

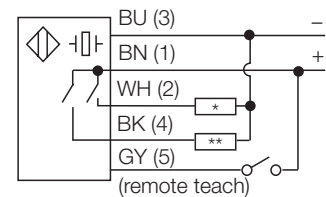
**TURCK**

Industrial  
Automation



- compact housing style
- connection via M12 x 1 connector
- Operating voltage 12...24 VDC
- two pnp transistor outputs
- two independent switching ranges adjustable via button or control line

**Wiring diagram**



\* output 1

\*\* output 2: 100 mA maximum

**Functional principle**

Ultrasonic sensors use ultrasonic waves for non-contact and wear-free detection of a large variety of objects. It does not matter whether the object is transparent or opaque, metallic or non-metallic, or of liquid, solid or powdery consistence. Environmental conditions such as spray, dust or rain hardly affect their function.

<b>Type</b>	T30UDPBQ
Ident-No.	3055551
<b>Range</b>	30... 200 cm
Ultrasound frequency	120 kHz
Temperature drift	0.17 % / K
Repeatability	≥ ± 0.75 mm
Ambient temperature	-20...+ 70 °C
<b>Operating voltage</b>	12... 24VDC
DC rated operational current	150 mA
No-load current I <sub>0</sub>	50 mA
Output function	2x normally open, pnp
Short-circuit protection	yes / cyclic
Reverse polarity protection	complete
Switching frequency	10 Hz
Voltage drop at I <sub>e</sub>	1.5V
Wire breakage protection	yes
<b>Housing</b>	cylindrical/threaded, T30
Dimensions	45 mm
Housing diameter	40 mm
Housing material	plastic, Polyester
Connection	connectors, M12 x 1
Degree of protection	IP67
<b>Display switch state</b>	LED yellow

