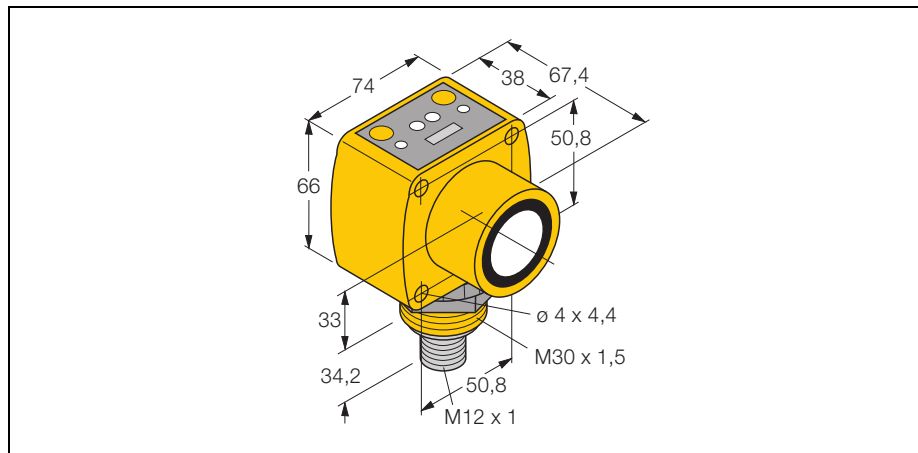


**ultrasonic sensor
diffuse mode sensor
QT50ULBQ6**

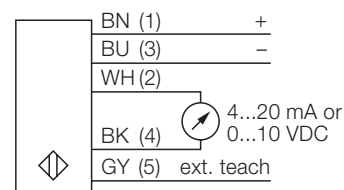
TURCK

Industrial
Automation



- signal strength indication via LED
- temperature compensation selectable via DIP switch
- current or voltage output selectable via DIP switch
- response time between 100 ms and 2300 ms adjustable via DIP switch

Wiring diagram



Type	QT50ULBQ6
Ident-No.	3002728
Range	20... 800 cm
Ultrasound frequency	75 kHz
Temperature drift	0.02 % / K
Repeatability	≥ ± 1 mm
Edge lengths of the nominal actuator	500 mm
Ambient temperature	-20...+ 70 °C
Operating voltage	10... 30VDC
Current output	4... 20 mA
Load resistance	500 Ω
voltage output	0... 10 V
Load resistance	≥ 1000 Ω
Short-circuit protection	yes
Housing	rectangular, QT50U
Dimensions	67.4 x 74 x 100.2 mm
Housing material	plastic, ABS
Connection	connectors, M12 x 1
Degree of protection	IP67
Display ' Object detected '	LED red

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.

