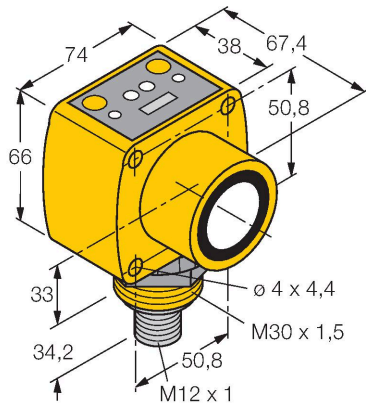


QT50ULBQ-CRFV

Ultrasonic Sensor – diffuse mode sensor With Analog Output



Technical data

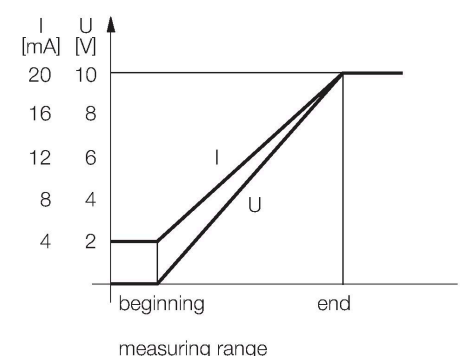
Type	QT50ULBQ-CRFV
ID	3074834
Ultrasonic data	
Function	Proximity switch
Range	200...6000 mm
Ultrasound frequency	75 kHz
Repeatability	$\leq \pm 1$ mm
Temperature drift	≤ 0.02 % of full scale/K
Edge lengths of the nominal actuator	500 mm
Electrical data	
Operating voltage U_b	10...30 VDC
Response time typical	< 100 ms
Readiness delay	≤ 1500 ms
Output function	Analog output
Current output	4...20 mA
Voltage output	0...10 V
Short-circuit protection	yes
Mechanical data	
Design	Rectangular, QT50U
Radiation direction	straight
Dimensions	67.4 x 74 x 100.2 mm
Housing material	Plastic, PBT
Transducer material	Plastic, Epoxyd resin and PU foam
Electrical connection	Connector, 7/8", PVC
Ambient temperature	-20...+70 °C

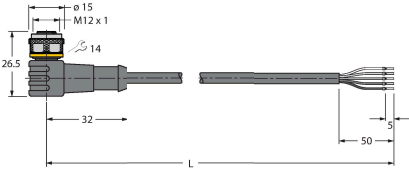
Features

- LED indicates signal intensity
- Male connector, 5-pin, 7/8"
- Temperature compensation selectable via DIP switch
- Blind zone: 20 cm
- Range: 800 cm

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.



Dimension drawing	Type	ID	
	WKC4.5T-2/TEL	6625028	Connection cable, M12 female connector, angled, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval