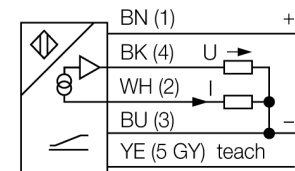


Ultrasonic Sensor diffuse mode sensor With Analog Output Q45UR3LIU64CKS

Type	Q45UR3LIU64CKS
ID	3059434
Ultrasonic data	
Function	Proximity switch
Range	50...250 mm
Ultrasound frequency	400 kHz
Repeatability	$\leq \pm 1$ mm
Electrical data	
Operating voltage U_a	12...24 VDC
Load resistance	$\leq 500 \Omega$
Response time typical	< 10 ms
Current output	4...20 mA
Voltage output	0...10 V
Mechanical data	
Design	Rectangular, Q45
Radiation direction	straight
Housing material	Plastic, Thermoplastic polyester
Electrical connection	Cable, 2 m, PVC
Ambient temperature	-25...+70 °C
Protection class	IP67
Object detected	LED, Yellow
Tests/approvals	
Approvals	CE

- Measuring range adjustable via teach button or control line
- Response time, adjustable
- Analog output can be used for voltage or current
- Teach-in function
- Convertible output curves
- Blind zone: 5 cm
- Range: 25 cm

Wiring Diagram



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.

