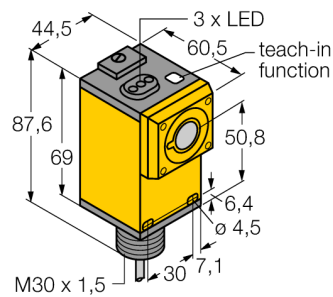


Ultrasonic Sensor

diffuse mode sensor

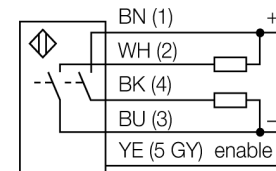
With Switching Output

Q45UBB63DAC W/30



- Start and End of switching range adjustable via teach button
- NO/NC output function
- Response time, adjustable
- Pump function
- PNP/NPN transistor output (NO contact)
- Aperture angle of sonic cone 15 °
- Blind zone: 10 cm
- Range: 140 cm

Wiring Diagram

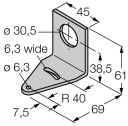
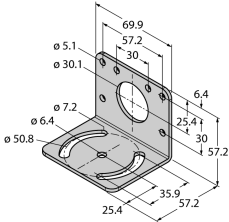


Functional principle

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.

Type	Q45UBB63DAC W/30
ID	3044135
Ultrasonic data	
Function	Proximity switch
Range	100...1400 mm
Ultrasound frequency	230 kHz
Repeatability	≤ ± 1 mm
Electrical data	
Operating voltage U _s	12...24 VDC
Response time typical	< 20 ms
Output function	NO contact, PNP/NPN
Switching frequency	≤ 50 Hz
Hysteresis	≤ 0.5 mm
Short-circuit protection	yes/Cyclic
Reverse polarity protection	Complete
Mechanical data	
Design	Rectangular, Q45
Radiation direction	straight
Housing material	Plastic, PBT
Transducer material	Plastic, Epoxyd resin and PU foam
Electrical connection	Cable, 9 m, PVC
Ambient temperature	-25...+70 °C
Protection class	IP67
Tests/approvals	
MTTF	50 years acc. to SN 29500 (Ed. 99) 40 °C
Approvals	CE

Accessories

Type code	Ident no.		Dimension drawing
SMB30A	3032723	Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread	
SMB30MM	3027162	Mounting bracket, rectangular, stainless steel, for sensors with 30 mm thread, wide holes for accurate alignment	
SMB30SC	3052521	Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable	