

Ultrasonic Sensor

diffuse mode sensor

With Switching Output

Q45UR3BA63CKQ

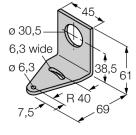
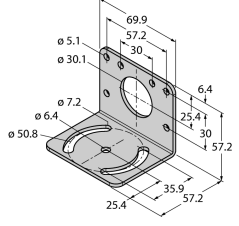
Type	Q45UR3BA63CKQ
ID	3059425
Ultrasonic data	
Function	Proximity switch
Range	50...250 mm
Ultrasound frequency	400 kHz
Repeatability	$\leq \pm 1$ mm
Electrical data	
Response time typical	< 40 ms
Output function	NO contact, PNP
Mechanical data	
Design	Rectangular, Q45
Radiation direction	straight
Housing material	Plastic, Thermoplastic polyester
Electrical connection	Cable, PVC
Ambient temperature	-25...+70 °C
Protection class	IP67
Tests/approvals	
Approvals	CE

- Switching output, PNP/NPN adjustable
- NO/NC adjustable
- Integrated temperature compensation
- Blind zone: 5 cm
- Range: 25 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.

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	

Function accessories

Type code	Ident no.		Dimension drawing
M18C2.0	3053022		
Q13C2.0	3059424		
S18C2.0	3056827		