

Ultrasonic Sensor

diffuse mode sensor

With Switching Output

Q45UR3BA63CKQ W/30

| | |
|------------------------|----------------------------------|
| Type | Q45UR3BA63CKQ W/30 |
| ID | 3059505 |
| Ultrasonic data | |
| Function | Proximity switch |
| Range | 50...250 mm |
| Ultrasound frequency | 400 kHz |
| Repeatability | ≤ ± 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, 9 m, 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.

