

# Q45UR3BA63CQ6KS

## Ultrasonic Sensor – diffuse mode sensor

### With Switching Output

#### Technical data

|                       |                                  |
|-----------------------|----------------------------------|
| Type                  | Q45UR3BA63CQ6KS                  |
| ID                    | 3059430                          |
| 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                         |
| Dimensions            | 60.5 x 44.5 x 102.6 mm           |
| Housing material      | Plastic, Thermoplastic polyester |
| Electrical connection | Connector, M12 × 1, PVC          |
| Ambient temperature   | -25...+70 °C                     |
| Relative humidity     | 85 %                             |
| Protection class      | IP67                             |
| Tests/approvals       |                                  |
| Approvals             | CE                               |

#### Features

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

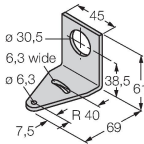
#### Functional principle

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

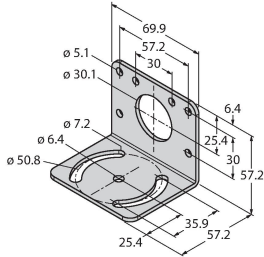
SMB30A3032723

Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread



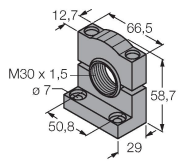
SMB30MM3027162

Mounting bracket, rectangular, stainless steel, for sensors with 30 mm thread, wide holes for accurate alignment

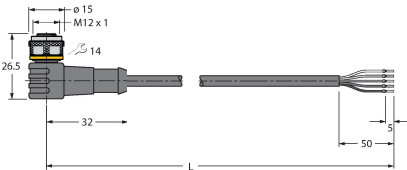
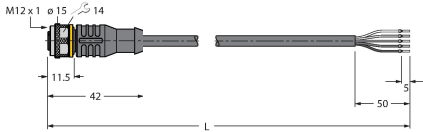


SMB30SC3052521

Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable



Accessories

| 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   |
|  | RKC4.5T-2/TEL | 6625016 | Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval |

Accessories

| Dimension drawing | Type    | ID      |
|-------------------|---------|---------|
|                   | M18C2.0 | 3053022 |
|                   | Q13C2.0 | 3059424 |
|                   | S18C2.0 | 3056827 |