

Plastic cylindrical shape capacitive sensors **CQ32S** series


## Features

- ◆ Be able to detect both metal and nonmetal objects;
- ◆ Be able to detect various media via nonmetallic container;
- ◆ Reliable liquid level detecting;

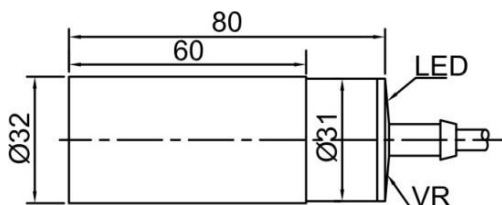
## Part number

|              |              |              |              |              |              |
|--------------|--------------|--------------|--------------|--------------|--------------|
| AC2 wires NO | CQ32SCF15ATO | CQ32SCN20ATO | AC2 wires NC | CQ32SCF15ATC | CQ32SCN20ATC |
|--------------|--------------|--------------|--------------|--------------|--------------|

## Technical specifications

|                            |                               |                   |                         |                      |
|----------------------------|-------------------------------|-------------------|-------------------------|----------------------|
| Mounting                   | Flush                         | Non-flush         | Leakage current [Ir]    | ≤3mA                 |
| Rated distance [Sn]        | 15mm (adjustable)             | 20mm (adjustable) | Circuit protection      | ... ..               |
| Assured distance [Sa]      | 0...12mm                      | 0...16mm          | Output indicator        | Yellow LED           |
| Dimensions                 | Φ32*80mm                      |                   | Ambient temperature     | -25°C...70°C         |
| Output                     | NO/NC(depends on part number) |                   | Ambient humidity        | 35-95%RH             |
| Supply voltage             | 20...250 VAC                  |                   | Switching frequency [F] | 15 Hz                |
| Standard target            | Fe45*45*1t                    | Fe60*60*1t        | Voltage withstand       | 2000V/AC 50/60Hz 60S |
| Switch-point drifts [%/Sr] | ≤±20%                         |                   | Insulation resistance   | ≥50MΩ (500VDC)       |
| Hysteresis range [%/Sr]    | 3...20%                       |                   | Vibration resistance    | 10...50Hz (1.5mm)    |
| Repeat accuracy [R]        | ≤3%                           |                   | Degree of protection    | IP67                 |
| Load current               | ≤300mA                        |                   | Housing material        | PBT                  |
| Residual voltage           | ≤10V                          |                   | Connection type         | 2m PVC cable         |

## Dimensions



## Wiring diagram

