SENSSET
SENSOR SEQUENCE

SSL-CSM1

Single-point capacitive level sensor

PRODUCTS FEATURES

- No mechanical moving components and with high reliability
- Small in size and low cost
- Low Power Consumption
- Satisfying the requirements in Safety Standards
- The sensor satisfies RoHS requirements
- Waterproofing standard IP64
- Simply locate the sensor to outside the liquid container (low temp) for detection.

  Easy assembly.

1. Product performance indicators

Table 1.Electrical Specification (Ta = 25 °C)

Parameter	Condition	Min.	Typ.	Max.	Unit
Working Voltage	-	4.5	5	5.5	V
Current	VDD = 5V in water	10	15	20	mA
	VDD = 5V in air	15	20	25	mA
Power Consumption	VDD = 5V in water	50	75	100	mW
	VDD = 5V in air	75	100	125	mW
Output Voltage in Water	VDD = 5V Ta = 25℃	0	0	0.3	V
Output Voltage in Air		4.5	5	5.3	V
Output Current		-	10	-	mA
Response Time		-	1	-	S
Operating Temperature	VDD = 5V	0	-	40	℃
Storage Temperature	-	-20	-	85	℃
Working Time	VDD = 5V Totg = 25℃	-	50000	-	h

2. Application circuit

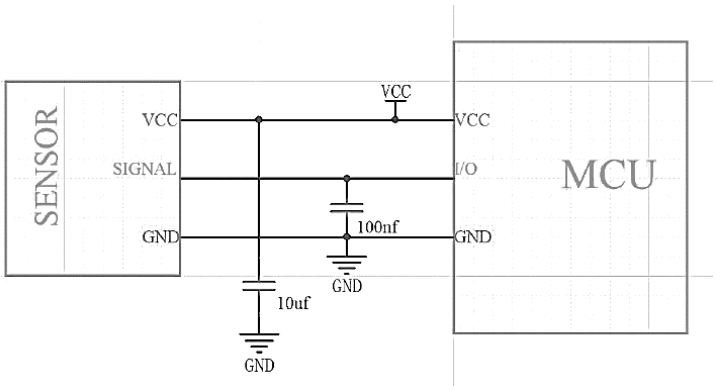

Figure 2.1. Recommended application circuit

3. Mechanical dimensions

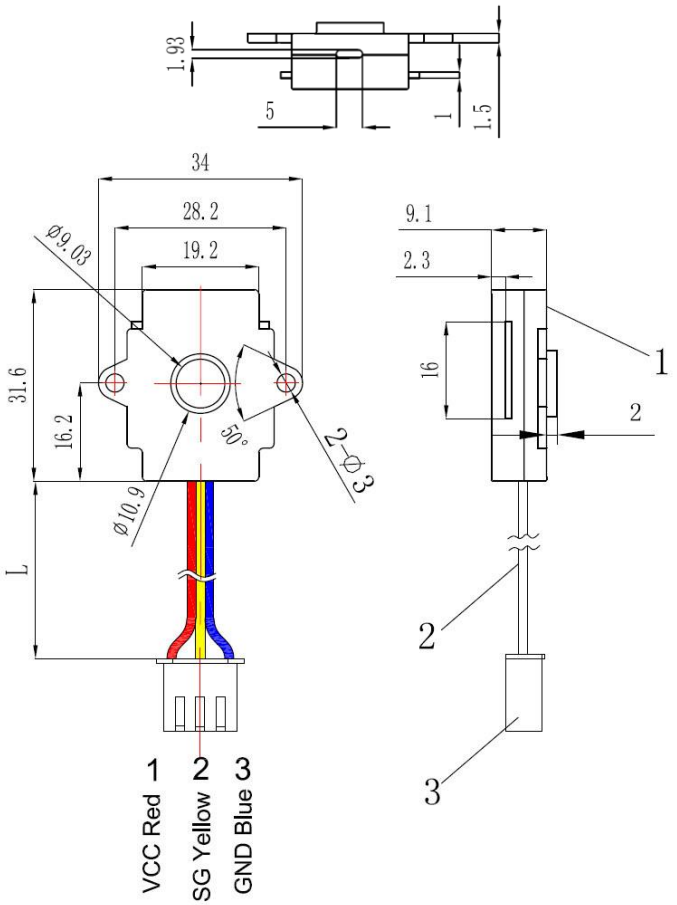

Figure 3.1. Sensor size: 34*31.6*9.1 mm. 1) sensor body; 2) wire; 3) terminal

4. Installation

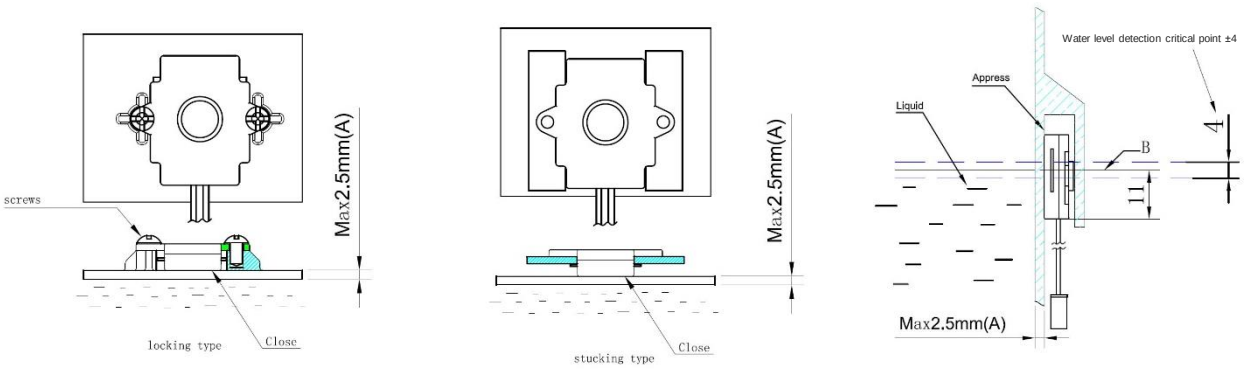

Figure 4.1. Recommended installation.
A) water tank thickness; B) ±4mm/B: water level detecting critical point ±4mm

Notes:
1. The material of water tank should not be metal.
2. Application environment: sensor can not be placed in a humid environment.

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Development, production and supply of high-tech sensors