



ENGLISH

Datasheet

Stock No. 184-5572

RS PRO Capacitive Sensor



Specifications:

Mounting: Non-flush

Rated distance Sn:

Assured distance Sa:

Shape size: 43*24*20mm

Output way: NPN

Output status: NO

Supply voltage: 10...30 VDC

Applicable pipeline (tube): Non-metal, O. D.: \varnothing 8...11; Wall thickness \leq 1.0mm

Switch point offset[%/Sr]: \leq \pm 20%

Hysteresis range [%/Sr]: 3...20%

Repeated error: \leq 3%

Load current: \leq 200mA

Residual voltage: \leq 2.5V

Current consumption: \leq 15mA

Protection circuit: Short-circuit, overload and Reverse polarity

Output indicator: Yellow LED

Ambient temperature: -10°C...55°C

Ambient humidity: 35-95%RH

Switch frequency: 60 Hz

High pressure resistance: 1000V/AC 50/60Hz 60s

Insulation resistance: \geq 50M Ω (500VDC)

15/10/2019

Vibration resistance: Complex amplitude 1.5mm 10...50Hz (2H per X,Y,Z direction)

Protection degree: IP67

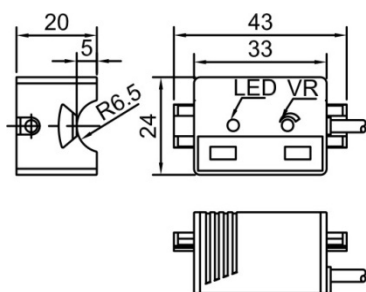
Housing material: PBT

Connection: 2m PVC cable

Features:

- ◆ To detect various liquid level in nonmetal tubes / pipelines, U type design for easier installation and detection;
- ◆ Be able to detect various media via nonmetallic container;
- ◆ Widely applied in container detecting;

Dimensions:



Wiring diagram:



Installation:

Non-flushed type cannot be mounted into metal plate. If there is metal plate opposite to sensor face, make sure distance between them should be $\geq 3S_n$. The distance between two parallel mounted sensor should be $\geq 2D$.

