



ENGLISH

Datasheet
Stock No.184-5637
RS PRO Capacitive Sensor



Specifications:

Mounting: Non-flush

Rated distance S_n : 15mm(adjustable)

Assured distance S_a : 0...12mm

Shape size:M30*91mm

Output status: NO

Supply voltage: 20...250 VAC

Standard target: Fe30*30*1t

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

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

Repeated error: $\leq 3\%$

Load current: $\leq 300\text{mA}$

Residual voltage: $\leq 10\text{V}$

Leakage current [Ir]: $\leq 3\text{mA}$

Circuit protection: ...

Output indicator: Yellow LED

Ambient temperature: $-25^\circ\text{C} \dots 70^\circ\text{C}$

Ambient humidity: 35-95%RH

Switch frequency: 15 Hz

Voltage withstand: 2000V/AC 50/60Hz 60S

Insulation resistance: $\geq 50\text{M}\Omega(500\text{VDC})$

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

15/10/2019

Protection degree: IP67

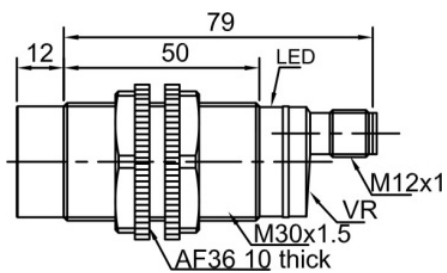
Housing material: PBT

Connection: M12 connector

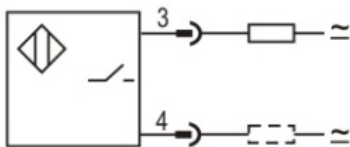
Features:

- ◆ Be able to detect both metal and nonmetal objects;
- ◆ Be able to detect various media via nonmetallic container;
- ◆ Reliable liquid level 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 $\geq 2D$.

