



ENGLISH

## Datasheet

### Stock No.184-5635

### RS PRO Capacitive Sensor



#### Specifications:

Mounting: Flush  
Rated distance Sn: 10mm(adjustable)  
Assured distance Sa: 0...8mm  
Shape size:M30\*79 mm  
Output way: AC/DC 2 wires  
Output status: NO  
Supply voltage: 20...250 VAC/DC  
Standard target: Fe30\*30\*1t  
Switch point offset[%/Sr]:  $\leq \pm 20\%$   
Hysteresis range [%/Sr]: 3...20%  
Repeated error:  $\leq 3\%$   
Load current: AC: $\leq 300\text{mA}$  DC: $\leq 100\text{mA}$   
Residual voltage: AC: $\leq 10\text{V}$  DC: $\leq 8\text{V}$   
Current consumption: AC: $\leq 3\text{mA}$  DC: $\leq 1\text{mA}$   
Protection circuit: ... ..  
Output indicator: Yellow LED  
Ambient temperature:-25°C...70°C  
Ambient humidity: 35-95%RH  
Switch frequency: AC: 15 Hz DC:40Hz  
High pressure resistance: 1000V/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)  
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;

25/03/2019