



ENGLISH

## Datasheet

### Stock No.184-5631

### RS PRO Capacitive Sensor



#### Specifications:

Mounting: Flush  
Rated distance  $S_n$ : 10mm(adjustable)  
Assured distance  $S_a$ : 0...8mm  
Shape size:M30\*79mm  
Output way: NPN  
Output status: NO+NC  
Supply voltage: 10...30 VDC  
Standard target: Fe30\*30\*1t  
Switch point offset[%/Sr]:  $\leq\pm 20\%$   
Hysteresis range [%/Sr]: 3...20%  
Repeated error:  $\leq 3\%$   
Load current:  $\leq 200\text{mA}$   
Residual voltage:  $\leq 2.5\text{V}$   
Current consumption:  $\leq 15\text{mA}$   
Protection circuit: Short-circuit, overload and reverse polarity  
Output indicator: Yellow LED  
Ambient temperature:  $-25^\circ\text{C} \dots 70^\circ\text{C}$   
Ambient humidity: 35-95%RH  
Switch frequency: 50Hz  
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