



ENGLISH

## Datasheet

### Stock No.184-5585

# RS PRO Capacitive Sensor



### Specifications:

Mounting: Flush  
Rated distance Sn: 2mm(adjustable)  
Assured distance Sa: 0...1.6mm  
Shape size: M12\*65mm  
Output way: PNP  
Output status: NO  
Supply voltage: 10...30 VDC  
Standard target: Fe12\*12\*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:  $-10^{\circ}\text{C} \dots 55^{\circ}\text{C}$   
Ambient humidity: 35-95%RH  
Switch frequency: 50 Hz  
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;

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