



ENGLISH

Datasheet

Stock No.184-5583

RS PRO Capacitive Sensor



Specifications:

Mounting: Flush
Rated distance S_n : 2mm(adjustable)
Assured distance S_a : 0...1.6mm
Shape size: M12*65mm
Output way: NPN
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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