



ENGLISH

Datasheet

Stock No.184-5642

RS PRO Capacitive Sensor



Specifications:

Mounting: Non flush
Rated distance Sn: 15mm(adjustable)
Assured distance Sa: 0...12mm
Shape size:M30*91 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