CR30X series cylindrical capacitive sensors



Feature description

- IP68 protection class which is effectively moisture-proof and dust-proof
- Wide voltage, AC and DC 2-wire output, suitable for more occasions
- Pre/post delay function, delay time is precisely adjustable
- Enhance detection distance. Sensitivity adjustment adopts multi-turn potentiometer so as to reach higher adjustment accuracy
- Excellent EMC design, high reliability
- Widely used in both metal and non-metal (plastic, powder, liquid, etc.) material testing

CE

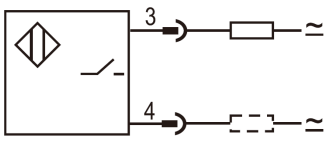
Model specification

AC/DC 2 wire NO	CR30XSCF10SBO-E2	Delay time	No delay
AC/DC 2 wire NO	CR30XSCF10SBOT1-E2	Delay time	Pre-delay 600s
AC/DC 2 wire NO	CR30XSCF10SBOT2-E2	Delay time	Post delay 600s
AC/DC 2 wire NC	CR30XSCF10SBC-E2	Delay time	No delay
AC/DC 2 wire NC	CR30XSCF10SBCT1-E2	Delay time	Pre-delay 600s
AC/DC 2 wire NC	CR30XSCF10SBCT2-E2	Delay time	Post delay 600s

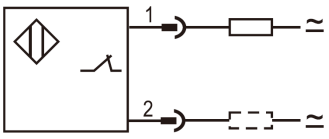
Specifications

Installation type	Quasi-flush	Indicator	Output indication: Yellow LED
Rated distance	10mm		Overload indication: Yellow LED Flicker
Ensure distance	＞0.76Sn	Circuit protection	Short circuit protection(DC250V does not have),
Adjust the distance	3...15mm		overload protection, reverse polarity protection
Adjustment method	Distance adjustment knob>10 circles	Ambient temperature	-25...70℃
	Pre-delay/post-delay knob: 0~600s	Storage temperature	30...80℃
Supply voltage	20...250V AC/DC	Vibration resistant	10...55Hz,Dual amplitude 1mm
Load current	AC:≤300mA; DC:≤100mA		(2hrs each for X,Y,Z direction)
Voltage drop	AC:≤8V; DC:≤8V	Impulse withsand	30g/11ms,3 times each for X,Y,Z direction
Consumption current	AC:≤2.2mA; DC:≤1.8mA	Insulation resistance	≥50MΩ(DC500V MΩ)
Leakage current	AC:≤2.2mA; DC:≤1.8mA	Shape specification	M30*64mm
Switch point offset	10%	Protection degree	IP68
Hysteresis	3...20%	Housing material	PBT
Repeat accuracy	5%	Connection type	M12 4-pin connector
Temperature drift	20%	Accessories	M30 nuts, screwdriver

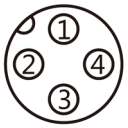
Wiring diagram



NO

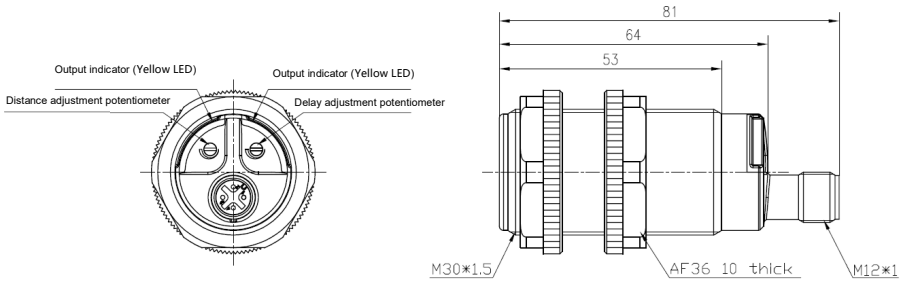


NC



Dimensions

CR30XSCF10SBO/CT1/T2-E2



CR30XSCF10SBO/C-E2

