

CR30X series cylindrical capacitive sensor



Feature description

- Integrated housing matches double highlighted LED indicator
- IP67 protection class which is effectively moisture-proof and dust-proof
- Enhance detection distance. Sensitivity adjustment adopts multi-turn potentiometer so as to reach higher adjustment accuracy
- High reliability, excellent EMC design with protection against short circuit, overloaded and reverse polarity
- Widely used in both metal and non-metal (plastic, powder, liquid, etc.) material testing

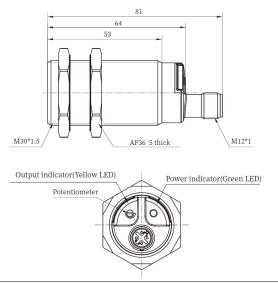


Model specification				
NPN NO	CR30XCF15DNOY-E2	PNP NO	CR30XCF15DPOY-E2	
NPN NC	CR30XCF15DNCY-E2	PNP NC	CR30XCF15DPCY-E2	
NPN NO+NC	CR30XCF15DNRY-E2	PNP NO+NC	CR30XCF15DPRY-E2	

Specifications			
Installation type	Flush	Indicator	Output indication:Yellow LED;Power indicator:Green LED
Rated distance Sn	15mm ^①		Overload or short circuit indication:Yellow LED flashes
Ensure distance Sa	≤10.8mm	Switching frequency	25Hz
Adjust the distance	320mm	Ambient temperature	When working:-2570°C(No icing, No condensation)
Adjustment method	Multi-turn potentiometer		When storing:-3080°C(No icing, No condensation)
	(Electrical adjustment > 10)	Environment humidity	3595%RH(No icing, No condensation)
Standard test object	Fe 45*45*1t(Grounded) ²	Vibration resistant	1055Hz,Dual amplitude 1mm(2 hours
Supply voltage	1030VDC		each in X, Y, and Z directions)
Load current	≤200mA	Impulse withsand	30g/11ms,3 times each for X,Y,Z direction
Residual voltage	≤2V	High pressure resistant	1000V/AC 50/60Hz 60s
Consumption current	≤20mA	Insulation resistance	≥50MΩ(500VDC)
Switch point offset [%/Sr]	≤±10%	Shape specification	M30*1.5*96mm
Temperature drift [%/Sr]	≤±20%	Protection degree	IP67
Hysteresis range [%/Sr]	320%	Housing material	Nickel copper alloy
Repetitive error [R]	≤5%	Connection type	M12 Connector
Circuit protection	Short circuit protection, Overload protection,	Accessories	M30 nuts×2, Slotted screwdriver, Operation manual
	Reverse polarity protection		

Note: ①the factory default sensing distance is Sn±10% ②unit:mm

Dimensions



Wiring diagram

