CE UL

Model: CR30XCF15DPRY-E2

Features

One-piece housing with high-brightness 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
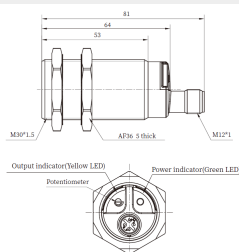
Part Number

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

Technical Specifications

Installation type	Flush	Indicator	Output indication:Yellow LED;Power indicator:Green LED
Reted Distance Sn	15mm①		Overload or short circuit indication:Yellow LED flashes
Assured Distance Sa	≤10.8mm	Switching frequency	25Hz
Adjust the distance	3···20mm	Ambient temperature	When working:-25···70℃(No icing, No condensation)
Adjustment method	Multi-turn potentiometer (Electrical adjustment > 10)		When storing:-30···80℃(No icing, No condensation)
Standard test object	Fe 45*45*1t(Grounded)②	Environment humidity	35...95%RH(No icing, No condensation)
Supply voltage	10...30VDC	Vibration resistant	10...55Hz,Dual amplitude 1mm(2 hours
Load current	≤200mA		each in X, Y, and Z directions)
Residual voltage	≤2V	Impulse withsand	30g/11ms,3 times each for X,Y,Z direction
Consumption current	≤20mA	High pressure resistant	1000V/AC 50/60Hz 60s
Switch point offset [%/Sn]	≤±10%	Insulation resistance	≥50MΩ(500VDC)
Temperature drift [%/Sr]	≤±20%	Shape specification	M30*1.5*96mm
Hysteresis range [%/Sr]	3...20%	Protection degree	IP67
Repetitive error [R]	≤5%	Housing material	Nickel copper alloy
Circuit protection	Short circuit protection,Overload protection	Connection Type	M12 Connector
	Reverse polarity protection	Accessories	M12 nuts×2, Slotted screwdriver, Operation manual

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

Dimensions

M30*1.5   AF36 3 thick   M12*1

Output indicator(Yellow LED)   Power indicator(Green LED)
Potentiometer

Wiring Diagram

NPN NO   PNP NO

NPN NC   PNP NC

NPN NO+NC   PNP NO+NC