



Model: CR18XC�12DPRY-E2

## Features

Integrated housing matches double highlighted LED indicator

IP67 protection class which is effectively moisture-proof and dust-proof

The maximum operating voltage can be 40VDS which can effectively prevent the influence from power ripple

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	CR18XC�12DNOY-E2	PNP NO	CR18XC�12DPOY-E2
NPN NC	CR18XC�12DNCY-E2	PNP NC	CR18XC�12DPCY-E2
PNP NO+NC	CR18XC�12DNRY-E2	PNP NO+NC	CR18XC�12DPRY-E2

## Technical Specifications

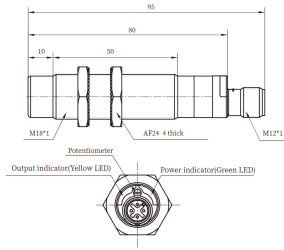
Installation type	Non-flush	Indicator	Output indication:Yellow LED;Power indicator:Green LED
Reted Distance S <sub>n</sub>	12mm①		Overload or short circuit indication:Yellow LED flashes
Assured Distance S <sub>a</sub>	≤8.64mm	Switching frequency	35Hz
Adjust the distance	3...15mm	Ambient temperature	When working:-25...70°C (No icing, No condensation)
Adjustment method	Multi-turn potentiometer (Electrical adjustment > 10)		When storing:-30...80°C (No icing, No condensation)
Standard test object	Fe 36*36*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 [%/S <sub>n</sub> ]	≤±10%	Insulation resistance	≥50MΩ (500VDC)
Temperature drift [%/Sr]	≤±20%	Shape specification	M18*1*95mm
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	M18 nuts×2, Slotted screwdriver, Operation manual

NOTE:1.the factory default sensing distance is S<sub>n</sub>±10% 2.unit:mm



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## Dimensions



## Wiring Diagram

