Extended sensing distance capacitive sensor **CR12** series



Feature description

- The detection distance is longer and the adjustment range is wider
- Detection of different media in containers through non-metallic tube walls
- Can detect metal and non-metallic materials at the same time, more widely used

CE

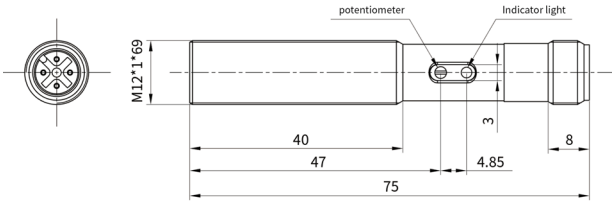
Model specification

NPN NO	CR12DF04DNOY-E2	PNP NO	CR12DF04DPOY-E2
NPN NC	CR12DF04DNCY-E2	PNP NC	CR12DF04DPCY-E2

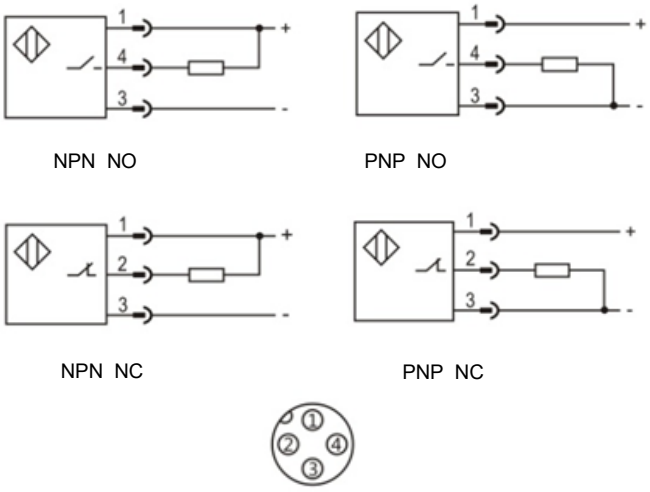
Specifications

Installation type	Flush	Consumption current	≤15mA
Rated distance Sn	4mm	Protection circuit	Short circuit protection, overload protection, reverse polarity protection
Adjust the distance	0.5...6mm(Adjustable)	Output indication	Yellow LED
Adjustment range	270°	Ambient temperature	-25℃...70℃
Shape specification	M12*75mm	Environment humidity	35...95%RH
Output type	NO/NC(Depending on model)	Switching frequency	40 Hz
Supply voltage	10...30 VDC	High pressure resistant	500V/AC 50/60Hz 60s
Standard target	Fe 12*12*1t	Insulation resistance	≥50MΩ(500VDC)
Switch point offset	≤±10%	Vibration resistance	Complex amplitude 1.5mm 10...50Hz(2h each in X, Y, Z directions)
Hysteresis range	3...20%	Degree of protection	IP67
Repetitive error	≤5%	Housing material	Nickel copper alloy
Load current	≤200mA	Connection type	M12 Connector
Residual voltage	≤2V		

Dimension



Wiring diagram



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