Metal cylindrical shape capacitive sensors **CR30G** series



Features

- ◆ Be able to detect both metal and nonmetal objects;
- ◆ Be able to detect various media via nonmetallic container;
- ◆ Reliable liquid level detecting;

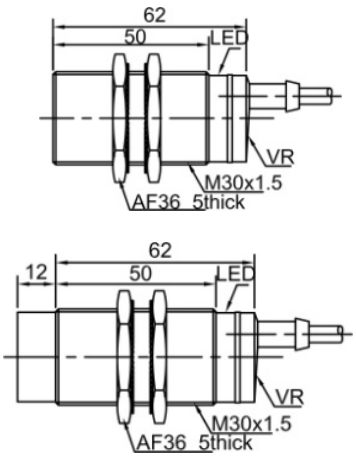
Part number

NPN	NO	CR30GCF10DNO	CR30GCN15DNO	PNP	NO	CR30GCF10DPO	CR30GCN15DPO
NPN	NC	CR30GCF10DNC	CR30GCN15DNC	PNP	NC	CR30GCF10DPC	CR30GCN15DPC
NPN	NO+NC	CR30GCF10DNR	CR30GCN15DNR	PNP	NO+NC	CR30GCF10DPR	CR30GCN15DPR

Technical specifications

Mounting	Flush	Non-flush	Consumption current	≤15mA
Rated distance [Sn]	10mm (adjustable)	15mm (adjustable)	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0…8mm	0…12mm	Output indicator	Yellow LED
Dimensions	M30*62mm	M30*74mm	Ambient temperature	-25℃…70℃
Output	NO/NC(depends on part number)		Ambient humidity	35-95%RH
Supply voltage	10…30 VDC		Switching frequency [F]	50 Hz
Standard target	Fe30*30*1t	Fe 45*45*1t	Voltage withstand	1000V/AC 50/60Hz 60S
Switch-point drifts [%/Sr]	≤±20%		Insulation resistance	≥50MΩ (500VDC)
Hysteresis range [%/Sr]	3…20%		Vibration resistance	10…50Hz (1.5mm)
Repeat accuracy [R]	≤3%		Degree of protection	IP67
Load current	≤200mA		Housing material	Stainless steel
Residual voltage	≤2.5V		Connection type	2m PVC cable

Dimensions



Wiring diagram

