

Plastic cylindrical shape capacitive sensors **CR12S** series



Features

- ◆ Be able to detect both metal and nonmetal objects;
- ◆ Extended sensing distance;
- ◆ Reliable liquid level detecting;
- ◆ Widely applied in warehouse, animal husbandry industry etc;



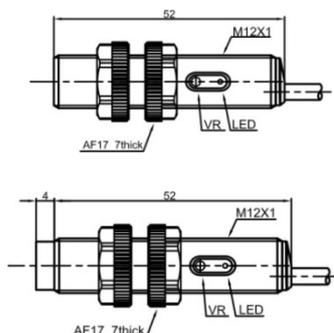
Part number

NPN NO	CR12SCF04DNOY	CR12SCN08DNOY	PNP NO	CR12SCF04DPOY	CR12SCN08DPOY
NPN NC	CR12SCF04DNCY	CR12SCN08DNCY	PNP NC	CR12SCF04DPCY	CR12SCN08DPCY

Technical specifications

Mounting	Flush Non-flush	Consumption current	≤15mA
Rated distance [Sn]	4mm (adjustable) 8mm(adjustable)	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...3.2mm 0...6.4mm	Output indicator	Yellow LED
Dimensions	M12*52mm M12*56 mm	Ambient temperature	-25°C...70°C
Output	NO/NC(depends on part number)	Ambient humidity	35-95%RH
Supply voltage	10...30 VDC	Switching frequency [F]	50 Hz
Standard target	Fe 12*12*1t Fe 24*24*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]	≤5%	Degree of protection	IP67
Load current	≤200mA	Housing material	PBT
Residual voltage	≤2.5V	Connection type	2m PVC cable

Dimensions



Wiring diagram

