

Plastic cylindrical shape capacitive sensors **CR30S** 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;



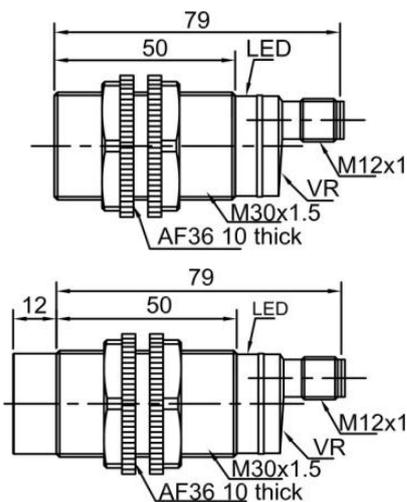
Part number

NPN NO	CR30SCF15DNOY-E2	CR30SCN22DNOY-E2	PNP NO	CR30SCF15DPOY-E2	CR30SCN22DPOY-E2
NPN NC	CR30SCF15DNCY-E2	CR30SCN22DNCY-E2	PNP NC	CR30SCF15DPCY-E2	CR30SCN22DPCY-E2
NPN NO+NC	CR30SCF15DNRY-E2	CR30SCN22DNRY-E2	PNP NO+NC	CR30SCF15DPRY-E2	CR30SCN22DPRY-E2

Technical specifications

Mounting	Flush Non-flush	Consumption current	≤15mA
Rated distance [Sn]	15mm (adjustable) 22mm(adjustable)	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...12mm 0...17.6mm	Output indicator	Yellow LED
Dimensions	M30*79mm M30*91 mm	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	Fe 45*45*1t Fe 66*66*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	M12 connector

Dimensions



Wiring diagram

