Plastic cylindrical shape capacitive sensors **CR30S** series

Features

◆ Be able to detect both metal and nonmetal objects;

◆ Be able to detect various media via nonmetallic container;
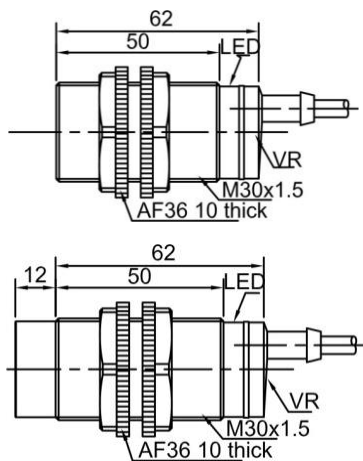
◆ Reliable liquid level detecting;

CE UL

Part number

AC2 wires	NO	CR30SCF10ATO	CR30SCN15ATO	AC2 wires	NC	CR30SCF10ATC	CR30SCN15ATC

Technical specifications

Mounting	Flush	Non-flush	Leakage current [Ir]	≤3mA	
Rated distance [Sn]	10mm (adjustable)	15mm(adjustable)	Circuit protection	… …	
Assured distance [Sa]	0…8mm	0…12mm	Output indicator	Yellow LED	
Dimensions	M30*62mm	M30*74 mm	Ambient temperature	-25℃…70℃	
Output	NO/NC(depends on part number)		Ambient humidity	35-95%RH	
Supply voltage	20…250 VAC		Switching frequency [F]	15 Hz	
Standard target	Fe 30*30*1t	Fe 45*45*1t	Voltage withstand	2000V/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	≤300mA		Housing material	PBT	
Residual voltage	≤10V		Connection type	2m PVC cable	

Dimensions

62
50
LED
VR
M30x1.5
AF36 10 thick

62
12
50
LED
VR
M30x1.5
AF36 10 thick

Wiring diagram

BN
BU
NO

BN
BU
NC