Metal cylindrical shape capacitive sensors **CR12** series

Features

◆ Be able to detect both metal and nonmetal objects;

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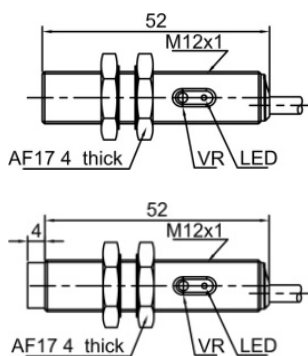
◆ Reliable liquid level detecting;

CE (UL)

Part number

NPN	NO	CR12CF02DNO	CR12CN04DNO	PNP	NO	CR12CF02DPO	CR12CN04DPO
NPN	NC	CR12CF02DNC	CR12CN04DNC	PNP	NC	CR12CF02DPC	CR12CN04DPC

Technical specifications

Mounting	Flush	Non-flush	Consumption current	≤15mA
Rated distance [Sn]	2mm (adjustable)	4mm (adjustable)	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0…1.6mm	0…3.2mm	Output indicator	Yellow LED
Dimensions	M12*52mm	M12*56 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	Fe12*12*1t	Fe 12*12*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	Nick-copper alloy
Residual voltage	≤2.5V		Connection type	2m PVC cable

Dimensions

Wiring diagram