

Metal cylindrical shape capacitive sensors **CR18** 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

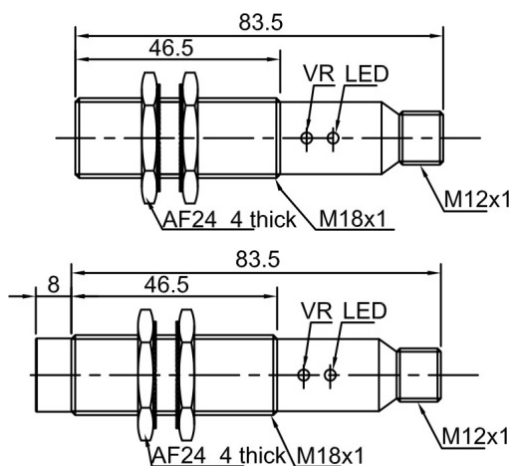
AC2 wires NO CR18CF05ATO-E2 CR18CN08ATO-E2

AC2 wires NC CR18CF05ATC-E2 CR18CN08ATC-E2

Technical specifications

Mounting	Flush	Non-flush	Leakage current [Ir]	≤3mA
Rated distance [Sn]	5mm (adjustable)	8mm(adjustable)	Circuit protection	
Assured distance [Sa]	0...4mm	0...6.4mm	Output indicator	Yellow LED
Dimensions	M18*83.5mm	M18*91.5 mm	Ambient temperature	-25°C...70°C
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 18*18*1t	Fe24*24*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	Nick-copper alloy
Residual voltage	≤10V		Connection type	M12 connector

Dimensions



Wiring diagram

