

Metal cylindrical shape capacitive sensors **CQ32** 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				
NPN NO	CQ32CF15DNO	PNP NO	CQ32CF15DPO	
NPN NC	CQ32CF15DNC	PNP NC	CQ32CF15DPC	
NPN NO+NC	CQ32CF15DNR	PNP NO+NC	CQ32CF15DPR	

Technical specifications				
Mounting	Flush	Consumption current	≤15mA	
Rated distance [Sn]	15mm (adjustable)	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0...12mm	Output indicator	Yellow LED	
Dimensions	Φ32*80mm	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	Fe45*45*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